

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

	Project Name	Portions of Planning Studies that Support Need for Project <sup>1</sup>	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers if project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
57	18T63045 -- GRAVEL PIT SUB ESTABLISH STATION	<p>TI Odessa Substation feeder 9611 has a 2018 summer projected load of 16.9 MW which is 120% of this feeder's 14.1 MVA maximum continuous rating, Pegasus Substation feeder 2311 has a 2018 summer projected load of 12.4 which is 128% of this feeder's 9.7 MVA maximum continuous rating, and Odessa Substation feeder 0212 has a 2018 summer projected load of 14.8 MW which is 102% of this feeder's 14.5 MVA maximum continuous rating. In addition, TI Odessa Substation has a 2018 summer projected load of 37.9 MW which is 108% of this substation's 35 MVA backstand rating. There is limited availability to serve added oil field load in southwest Midland County due to voltage flicker during motor starts, voltage stability during steady state conditions, and available fault currents for coordination due to the excessive distances from Odessa, TI Odessa, and Pegasus Substations. Customer C and Customer Y have a very heavy concentration of motor loads in this area.</p> <p>In order to correct these problems, it is proposed to install Midland Co. FM 1788 Rd S Substation (now known as Gravel Pit Sub) with 1-28 MVA 128-12.5 KV transformer and three 12.5 KV feeder breakers and exits. It is proposed to reconductor approximately 54,000 ft of 3-#1/0 ACSR with 3-795 kcmil AAC, install 6000 ft 3-795 kcmil AAC, install 9 air break switches, and transfer loads from TI Odessa feeders 9611 and 9621, Pegasus feeder 2311, and Odessa feeder 0212 to the three proposed feeders. It is proposed to remove 3-328 amp voltage regulators and install 1-140 amp W recloser. Completion of this project will correct feeder loading on TI Odessa 9611, Odessa 0212, and Pegasus 2311 and will provide motor starting support, voltage stability, and coordination in the southeast Midland county area.</p>	2013 -13.65% 2014 16.72% 2015 33.59% 2016 -17.74% 2017 15.40%	2018 17.45% 2019 5.59% 2020 -14.74% 2021 12.65%	19 MW	2018 3.0 MW 2019 24.6 MW 2020 17.4 MW 2021 17.2 MW	Commercial Industrial Residential	Not Applicable
58	18T64038 -- GREYS LAKE CONSTRUCT 47 MVA, 138-12.5 KV STATION	<p>The projected 2018 summer load on Tyler Northeast 1624 is 13.7 MVA which is 116% of the 11.8 MVA maximum continuous rating. Also, the projected 2018 summer load on Tyler Northeast 1623 is 11.9 MW which is 101% of the 11.8 MVA maximum continuous rating. In addition, the projected 2018 summer load on Tyler Northeast Substation is 45.25 MVA, which is 131% of its 35 MVA backstand rating. The 7 MW offtake for a large commercial customer is dependent on this plan item. 3 MW load growth on Cherokee County Electric Co op Ownertown PCI is also dependent on this plan item.</p> <p>In order to correct this issue, it is proposed to establish Greys Lake Substation with a 138 12.5 KV, 47 MVA transformer, four feeder breakers and four 3-1000 Cu feeder exits. In addition, it is proposed to install approximately 7900 ft of 3-795 AAC, reconductor approximately 1800 ft of 4/0 ACSR to 795 AAC, reconductor approximately 2900 ft of #2 ACSR to 795 AAC, and reconductor approximately 4500 ft of #4 ACSR to 795 AAC. Load will be transferred from Tyler Northeast 1605, 1613, 1623, and 1624 to the new Greys Lake feeders and transfer load using existing switches. In addition it is proposed to relocate 2 sets of regulators, remove 3 sets of regulators, relocate 2 reclosers, relocate 1 capacitor, and install 3 air switches. The completion of this project will correct the feeder overload of Tyler Northeast 1624, Tyler Northeast 1623, and the backstand issue of Tyler Northeast substation.</p>	2013 -1.17% 2014 -9.14% 2015 6.82% 2016 10.33% 2017 -4.41%	2018 6.92% 2019 23.99% 2020 1.52% 2021 6.26%	16.5 MW	2018 1.0 MW 2019 8.6 MW 2020 22.6 MW 2021 22.5 MW	Commercial Industrial Residential	Not Applicable

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

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59	18T65040 -- CREEKSIDE SUB ESTABLISH STATION WITH 138-13.2 KV 47 MVA XFMRS AND THREE FDRS	The 2018 projected Summer load on Dalrock substation transformer bank #1 is 51.5 MVA which is 110% of the 46.7 MVA transformer nameplate rating.  In order to correct this problem, it is proposed to establish Creekside Sub station with 1-46.7 MVA, 138-12.5 KV, transformed and three 12.5 KV feeder breakers with 1000 kcmil Cu feeder exits. In addition, it is proposed to install 12300 ft of 3-7.95 kcmil AAC overhead conductor, reconductor 3500 ft of 3-#4/0 AAC to 3-7.95 kcmil AAC overhead conductor, install two 900A air break switches, transfer 6.8 MW from Dalrock 1307 to Creekside Sub feeder 2, transfer 3.9 MW from Dalrock 1301 to Creekside Sub feeder 3, and transfer 3.7 MW from Dalrock 1301, 1.5 MW from Dalrock 1307, and 5.2 MW from Dalrock 1303 to Creekside Sub feeder 1. The completion of this project will correct the overload problems at Dalrock substation	2013 -2.58% 2014 -4.03% 2015 10.89% 2016 6.75% 2017 -13.97%	2018 7.73% 2019 -4.07% 2020 5.99% 2021 -6.11%	21.1 MW	2018 9.7 MW 2019 13.5 MW 2020 14.8 MW 2021 15.8 MW	Commercial Residential	Not Applicable
60	OPT04147 -- RIVERVIEW SUB ESTABLISH ONE 47 MVA 138-22 KV TRANSFORMER AND TWO 22 KV OH FEEDER BREAKERS	The 2021 Summer Projected load on Coyanosa Northwest Bank #1 is 30.3 MVA which is 108% of the 28 MVA rating. In addition, the 2021 Summer Projected load on Coyanosa Northwest Bank #2 is 32.9 MVA which is 118% of the 28 MVA rating. The 2021 Summer Projected load on Coyanosa Northwest Substation is 63.2 MVA which is 181% of its 35 MVA contingency rating. Finally, Coyanosa Northwest Feeder 8151 is on the SCR list. In order to correct these loading violations, it is proposed to establish Riverview Substation with 1-47 MVA 138-22 KV transformer and 2-22 KV OH feeder breakers. It is also recommended to construct various distribution facilities in order to transfer load to the new substation. The completion of this work will resolve the overloads that have been identified.	2016 16.25% 2017 62.37% 2018 45.7% 2019 93.18% 2020 14.82%	2021 -51.8%	37 MW	2021 0.3 MW	Commercial Industrial Residential	Not Applicable

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61	OPT04289 -- WESTON SUBSTATION ESTABLISH SUBSTATION WITH A 47 MVA 138-24.9 KV TRANSFORMER AND TWO FEEDER BREAKERS	The 2020 projected summer load on McKinney White Street #1 is 50.4 MVA, which is 108% of its 46.7 MVA nameplate rating and the 2020 projected summer load on McKinney White Street Substation is 73.4 MVA, which is 126% of its 58.4 MVA backstand rating. In addition, the 2020 projected summer load on McKinney #3 and McKinney #4 is 79.4 MVA, which is 136% of the 58.4 MVA backstand rating of these two 24.9 kV transformers. In order to correct these problems, it is proposed to establish the Weston Substation and install a 47 MVA, 138-24.9 KV transformer and two 24.9 kV feeder breakers with 1000 Cu feeder exits, install 4000 ft of 3-7/8" kcmil AAC, install 1500 ft of 2-7/8" kcmil AAC, reconductor 3400 ft of existing 3 phase to 3-7/8" kcmil AAC, install 3-900 Amp air break switches and transfer load from McKinney 1252, 1254 and McKinney White 3512 to the new Weston feeders. The completion of this project will correct the overloading problem on McKinney White Street #1 and the backstand issue on McKinney #3 & #4.	2016 1.07% 2017 0.88% 2018 7.5% 2019 -12.17% 2020 -12.47%	2021 11.99%	37 MW	2021 11.4 MW	Commercial Industrial Residential	Not Applicable
62	OPT39201 -- WEST NETWORK SUB REBUILD STATION ADJACENT TO THE EXISTING SUBSTATION	The 2020 projected summer load on the Dallas West Network Substation is 53.2MVA. There are three 138-13.2KV 60MVA substation transformers in parallel at this substation. The substation equipment (including three switchgear houses containing four feeder breakers each) is old and obsolete plus new replacement parts are rare. Due to this, the probability of a fault in the switchgear is greater than normal which can cause outages within the substation feeder breakers. In order to correct this problem, it is proposed to rebuild the substation adjacent to the existing substation on the same property. Twelve 1000Cu 13.2kV feeder exits in duct structure are to be installed between the proposed substation feeder breakers and the existing feeder exits. The completion of this project will improve reliability issues at Dallas West Network Substation.	2016 -1.64% 2017 -1.66% 2018 3.38% 2019 -0.4% 2020 0.71%	2021 0.22%	53.2 MW	2021 46.6 MW	Commercial Industrial Residential	Not Applicable
63	OPT39282 -- POOLVILLE SUB ESTABLISH SUBSTATION WITH A 28 MVA 138-12.5KV TRANSFORMER AND 2 FEEDER BREAKERS	The 2019/2020 projected winter load on Balsora Transformer #1 is 11.1 MVA which is 106% of its 10.5 MVA nameplate rating. Additionally, the 2019/2020 projected winter load on a 20,000 ft section of 3-4/0ACSR on Balsora 1601 is 396 amps which is 118% of its 337 amp continuous rating. Also pertaining to Balsora 1601, there are 2 separate sections of 1-6STL along with several protective devices across the feeder that are all projected to be loaded to greater than 105% of their maximum continuous ratings by winter 2019/2020. Balsora 1601 has a very poor reliability history and has no 3 phase ties to any other substation transformer.  To address these issues, it is proposed to establish Poolville Substation with a 28 MVA 138-12.5KV transformer and 2 feeder breakers. It is also proposed to reconduct 39,800 ft with 3-7/8AAC, reconductor approx 11,000 ft of 1-6STL with 1-2ACSR, install 2 air break switches, 1 set of voltage regulators, 2 NOVA reclosers, 4 TripSavers, and perform switching to transfer 7.1 MW from Balsora 1601 to Poolville Fdr #1, 0.2 MW from Balsora 1601 to Poolville Fdr #2, and 2.7 MW from Weatherford 2002 to Poolville Fdr #2. The completion of this project will correct the loading issue on Balsora #1, correct the overloaded conductor and protective devices on Balsora 1601, and greatly improve the reliability of this feeder.	2016 -8.13% 2017 0.0% 2018 17.69% 2019 -31.7% 2020 -12.44%	2021 25.68%	10 MW	2021 4 MW	Commercial Industrial Residential	Not Applicable

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64	OPT40937 - BLAIR LAKE SUB ESTABLISH STATION WITH 47 MVA, 138/69-21.6 KV TRANSFORMER AND INSTALL DISTRIBUTION AUTOMATION ON FEEDER 6321	The 2021 projected winter load on Coyanosa Substation Transformer Bank #1 is 13.5 MVA which is 129% of the 10.5 MVA rating for this transformer bank. Coyanosa is a single transformer substation. In order to correct this problem, it is recommended to establish Blair Lake Substation with a 138/69-22KV 47MVA transformer and 2 feeder breakers with UG feeder exits. It is also recommended to construct various distribution facilities in order to transfer the load of Coyanosa Substation to the new Blair Lake Substation. The completion of this project will correct the overload at Coyanosa Substation.	2016 -1.86% 2017 -24% 2018 50% 2019 33.33% 2020 73.68%	2021 -10.6%	12.9 MW	2021 1.5 MW	Commercial Industrial	Not Applicable
65	OPT40959 -- REINDEER SUB ESTABLISH REINDEER SUBSTATION WITH ONE 47 MVA 138-25 KV TRANSFORMERS AND TWO 25 KV UG FEEDER BREAKERS	The 2021 Summer projected load on Red Oak Bank #1 is 51.8 MVA which is 111% of the 46.7 MVA rating. In addition, the 2021 Summer Projected load on Red Oak Bank #2 is 48.3 MVA which is 103% of the 46.7 MVA rating. Furthermore, the 2021 Summer Projected load on Red Oak Substation is 100.1 MVA which is 164% of its 58.4 MVA contingency rating. In order to correct these loading violations, it is recommended to establish Reindeer Substation with 1 47 MVA 138-25 kV transformers and 2-25 kV UG feeder breakers. It is also recommended to construct various distribution facilities in order to transfer load to the new substation. The completion of this work will resolve the overloads that have been identified.	2016 13.18% 2017 -12.68% 2018 9.78% 2019 7.58% 2020 1.38%	2021 13.27%	37 MW	2021 1.5 MW	Commercial Industrial Residential	Not Applicable
66	OPT41754 -- OIL MILL LAKE SUB REBUILD MARLIN SUB ON NEW SITE	Transmission Engineering has requested to remove the Distribution transformers from Marlin Substation. In order to accommodate this request, it is proposed to establish Oil Mill Lake Substation with (2) 28 MVA 138/12 KV Transformers and (4) 12 KV feeder breakers along with performing the necessary distribution work to transfer the 12 KV and 25 KV distribution load from Marlin Substation to Oil Mill Lake Substation. The completion of this work will allow the removal of the 12 KV and 25 KV transformer(s) at Marlin Substation.	2016 61.54% 2017 -21.09% 2018 -1.85% 2019 29.73% 2020 1.6%	2021 -0.71%	13.4 MW	2021 0.9 MW	Commercial Residential	Not Applicable
67	OPT42128 - FLAT LAND (RED LAKE) SUB ESTABLISH FLAT LAND SUB WITH TWO 47 MVA 138-25 KV TRANSFORMERS AND TWO 25 KV OH FEEDER BREAKERS	The 2021 summer projected load on Brown Bank #1 is 61.2 MVA which is 109% of the 56 MVA rating. The 2021 Summer Projected load on Grady Substation is 84.7 MVA which is 121% of its 70 MVA contingency rating. In order to correct these loading violations, it is recommended to establish Flat Land Substation with 2-47 MVA 138-25 KV transformers and 2-25 KV OH feeder breakers. It is also recommended to construct various distribution facilities in order to transfer load to the new substation. The completion of this work will resolve the overloads that have been identified.	2016 -35.28% 2017 2% 2018 127.45% 2019 62.07% 2020 18.35%	2021 -46.34%	19 MW	2021 5.7 MW	Commercial Industrial Residential	Not Applicable

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68	OPT42129 -- MIDNIGHT SUB (ROUND ROCK NORTH) ESTABLISH TWO 47 MVA 138-25 KV TRANSFORMERS AND THREE 25 KV UG FEEDER BREAKERS	The 2021 summer projected load on Round Rock Northeast Feeder 2405 is 37.8 MVA which is 128% of the 29.5 MVA feeder rating. In addition, the 2021 summer projected load on Round Rock Westinghouse Feeder 1623 is 33 MVA which is 111% of the 29.5 MVA feeder rating. Furthermore, the 2021 Summer Projected load on Round Rock Northeast Substation is 147.2 MVA which is 128% of its 116.8 MVA contingency rating. There are several feeders that have high customer counts (4,000) that will be affected by this plan item. In order to correct these loading violations, it is recommended to establish Midnight (Round Rock North Substation) with 2-4.7 MVA 138-25 KV transformers and 3-25 KV UG feeder breakers. It is also recommended to construct various distribution facilities in order to transfer load to the new substation. The completion of this work will resolve the overloads that have been identified.	2016 16.8% 2017 5.89% 2018 22.76% 2019 6.59% 2020* 9.61%	2021 -10.16%	43.7 MW	2021 15.8 MW	Commercial Industrial Residential	Not Applicable
69	OPT42153 - STAGECOACH SUB ESTABLISH STATION WITH ONE 47 MVA 138/25 KV TRANSFORMER AND TWO 25 KV FEEDER BREAKERS	The 2021 winter projected load on Killeen South substation feeder 4504 is 38.2 MVA which is 119% of this feeders 32.2 MVA rating. The 2021 winter projected load on Killeen South Bank #2 is 53 MVA which is 113% of this transformers 46.7 MVA nameplate rating. The 2021 winter projected load on Killeen South Bank #1 is 51.7 MVA which is 111% of this transformers 46.7 MVA nameplate rating. The 2021 winter projected load on Barker Heights Substation Bank #2 is 50.1 MVA which is 107% of this transformers 46.7 MVA rating. In order to correct these overloads, it is proposed to Establish Killeen Stagecoach Substation with 1-4.7 MVA 138/25 KV transformer and 2-25 KV feeder breakers and perform the necessary distribution upgrades in order to transfer load to the new substation. The completion of this work will correct the overloads mentioned above.	2016 4.37% 2017 -0.98% 2018 14.08% 2019 18.81% 2020 2.63%	2021 13.4%	42.9 MW	2021 14.5 MW	Commercial Industrial Residential	Not Applicable

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70	OPT42207 -- ALCATRAZ SUB ESTABLISH SUBSTATION WITH TWO 47 MVA 138-22 KV TRANSFORMER AND FOUR 22 KV OH FEEDER BREAKERS	The 2021 Summer Projected load on Kyle Ranch Bank #1 is 49.9 MVA which is 107% of the 46.7 MVA rating. In addition, the 2021 Summer Projected load on Kyle Ranch Feeder 9011 is 27.9 MVA which is 103% of the 27.1 MVA feeder rating. Furthermore, the 2021 Summer Projected load on Kyle Ranch Feeder 9012 is 29.8 MVA which is 109% of the 27.1 MVA feeder rating. Finally, the 2021 Summer Projected load on Mason Substation is 45.0 MVA which is 128% of its 35.0 MVA contingency rating. In order to correct these problems, it is proposed to establish Alcatraz Substation with 2-47 MVA 138-22 KV transformer and 4-22 KV OH feeder breakers. It is also recommended to construct various distribution facilities in order to transfer load to the new substation. The completion of this work will resolve the overloads that have been identified.	2016 31.69% 2017 -10.37% 2018 8.8% 2019 22.13% 2020 20.21%	2021 173.91%	41 MW	2021 14.3 MW	Commercial Industrial	Not Applicable
71	OPT43010 -- GUNNOLUS CREEK SUB ESTABLISH A NEW STATION WITH (2) 138/12.5 KV 47 MVA TRANSFORMERS AND (7) FEEDER BREAKERS ON A NEW SITE TO REPLACE BRECKENRIDGE SUB	This is a CMPC Project due to operational issues with the existing 69 KV single-phase transformers, substation voltage regulators, and repeat flooding of the station / relay house. In addition to these operational issues, Breckenridge Substation Banks #1 & #2 are loaded to 33.1 MVA which is 133% of their 25 MVA backstand rating. Banks #2 and #3 are loaded to 31.7 MVA which is 127% of their 25 MVA backstand rating. In order to resolve these loading concerns and operational issues, it is proposed to establish a new station out of the flood plane and energize with (2) 138/12.5 KV 47 MVA transformers and (7) feeder breakers on a new piece of land. This will require upgrading a re-routing a portion of the distribution system near the substation in order to re-route the feeders to the new station. It is recommended to decommission the distribution equipment at Breckenridge Substation upon completion of the work mentioned. The completion of this work will correct the issues identified above.	2016 7.18% 2017 6.94% 2018 -6.49% 2019 1.91% 2020 1.17%	2021 15.6%	23.1 MW	2021 10 MW	Commercial Industrial Residential	Not Applicable

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72	OPT43602 - PROSPER SUB ESTABLISH SUBSTATION WITH 47 MVA 138/25 KV TRANSFORMER AND TWO FEEDER BREAKERS	The 2021 Summer Projected load on Westridge Feeder 3056 is 30.4 MVA which is 103% of the 29.4 MVA feeder rating. In addition, the 2021 Summer Projected load on Westridge Substation is 73.6 MVA which is 125% of its 58.8 MVA contingency rating. In order to correct these problems, it is recommended to establish Prosper Substation with 1-47 MVA 138-25kV transformer and 2-25kV feeder breakers. It is also recommended to construct various distribution facilities in order to transfer load to the new substation. The completion of this work will resolve the overload that have been identified.	2016 16.9% 2017 -9.75% 2018 34.62% 2019 13.06% 2020 3.25%	2021 -14.2%	33.4 MW	2021 2.2 MW	Commercial Industrial Residential	Not Applicable
73	17T65080 -- DELTA SUB - ESTABLISH STATION	In the winter of 2017, Transmission Planning has identified load capacity problems in the Paris Plant - Commerce 69 kV line. Cooper substation consists of (2) 69/12.5 kV 10.5 MVA transformers and (3) 12.5/4.2 kV 833 kVA single phase transformers, and is fed from these transmission lines.  In order to correct this problem, Transmission Planning proposes to convert the Paris Plant - Commerce 69 kV line to 13.8 kV operations. In order to do this conversion, the Cooper substation transformers will need to be replaced and the substation will be relocated. It is recommended to replace the existing transformer banks with (2) 138-12.5 kV 10.5 MVA delta wye transformers and two feeder breakers with 1000 kcmil A1 feeder exits. In addition, it is proposed to reconductor 5300 ft. of various small wire to (3) 795 kcmil AAC, install (2) 12.5-4.2 kV 1500 kVA auto stepdown transformers, install two normally open air break switches, transfer 2.85 MW from Cooper 0402 and 1201 to the new Feeder 1, and transfer 5.6 MW from Cooper 0401 and 1202 to the new Feeder 2.  The completion of this work will correct the load capacity problems on the 69 kV transmission lines.	2012 10.96% 2013 -9.88% 2014 -9.59% 2015 0.00% 2016 3.03%	2017 0.00% 2018 -5.88% 2019 -1.56% 2020 -1.59% 2021 -0.49%	7 MW	2017 6.8 MW 2018 6.4 MW 2019 6.3 MW 2020 6.2 MW 2021 6.2 MW	Commercial Industrial Residential	Not Applicable

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74	1BT62058 -- BOURLAND SUB- ESTABLISH STATION	The Forest Hill to Cresson 69 kV transmission line is being converted to 138 kV. The 69 kV transmission line from Forest Hill to Crowley is scheduled to be completed in 2017. The remaining section of the transmission line from Crowley to Cresson is scheduled to be converted to 138 kV in 2018  Since the transformer at Cresson Substation is 69 kV, it is proposed to remove Cresson Substation and establish Bourland Substation just to the south of the existing Cresson substation with a single 23.3 MVA, 138-24.9 kV transformer, two feeder breakers (both with Distribution Automation) and 1000 Cu feeder exits, install 20,000 ft. of 3-4/0 AAC conductor, reconductor 7500 ft. of small wra with 3-4/0 AAC conductor, relocate one recloser and transfer load using new and existing facilities  Since this transmission line is currently radial, the existing Cresson Substation load will need to be transferred to Benbrook and Godley substations while the Transmission and Substation work is being done. The switching that is required to take the existing Cresson Substation out of service for this time period is shown in the following drawings  The completion of this project will complete the conversion of the Forest Hill to Cresson (Bourland) transmission line	2013 -13.10% 2014 -13.70% 2015 1.20% 2016 -17.86% 2017 -2.90%	2018: 11.94% 2019 0.00% 2020 3.03% 2021 35.14%	8.9 MW	2018 7.5 MW 2019 6.8 MW 2020 6.8 MW 2021 9.2 MW	Commercial Industrial Residential	Not Applicable
75	TPSU 12 005404 --2570 EAST STILES SUBSTATION	Refer to Section 3.4 of Exhibit JBN-3	No load data prior to project	2014 35.6% 2015 3.1% 2016 -16.4% 2017 -4.8% 2018 15.1% 2019 10.5% 2020 -10.3%	5.2 MW	2014 9.3 MW 2015 9.6 MW 2016 8 MW 2017 10.2 MW 2018 10.9 MW 2019 10.6 MW 2020 8.5 MW	Industrial	Not Applicable
76	TPSU 12 005426 - EILAND SUBSTATION	Refer to Section 3.5 of Exhibit JBN-3	No load data prior to project	No load data prior to project	No load data prior to project	2013 6.6 MW 2014 12.5 MW 2015 14.4 MW 2016 10.4 MW 2017 15.7 MW 2018 15.4 MW 2019 18.7 MW 2020 18.6 MW	Industrial	Not Applicable

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LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS  
FOR TEST YEAR ENDING DECEMBER 31, 2021  
SPONSORS. W. R. SPEED and J. B. NICHOLS

	Project Name	Portions of Planning Studies that Support Need for Project <sup>1</sup>	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers if project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
77	TPSU 13 005628 --CONSTRUCT REBEL SUBSTATION	Refer to Section 3 9 of Exhibit JBN-3	No load data prior to project	2014 13.3% 2015 -0.1% 2016 -8.6% 2017 26.4% 2018 42.7% 2019 6.6% 2020 0%	41 MW	2014 3.9 MW 2015 7.1 MW 2016 12.8 MW 2017 15.7 MW 2018 47.7 MW 2019 45.9 MW 2020 51.8 MW	Industrial	Not Applicable
78	TPSU 13 005629 --CONSTRUCT AIRPORT ROAD SUBSTATION (CONSTRUCT LORAIN SUBSTATION)	Refer to Section 3 12 of Exhibit JBN-3	No load data prior to project	2014 8.7% 2015 6.0% 2016 -44.5% 2017 -1.8% 2018 9.2% 2019 14.3% 2020 1.5%	0.4 MW	2015 7.4 MW 2016 3.1 MW 2017 3.9 MW 2018 4.7 MW 2019 6 MW 2020 6 MW	Commercial Residential	Not Applicable
79	TPSU 13 005630 --CONSTRUCT LUTHER SUBSTATION	Refer to Section 3 11 of Exhibit JBN-3	No load data prior to project	2014 14.2% 2015 33.3% 2016 -2% 2017 53.7% 2018 100.7% 2019 7.4% 2020 -13.3%	5.0 MW	2015 3.2 MW 2016 5.91 MW 2017 16.7 MW 2018 35.6 MW 2019 43.4 MW 2020 27.9 MW	Industrial	Not Applicable
80	TPSU 14 005773 --SALE RANCH SUBSTATION	Refer to Section 3 19 of Exhibit JBN-3	2012 18.1% 2013 106.5% 2014 72.9%	2015 -15.9% 2016 -41.4% 2017 19.7% 2018 64% 2019 40.9% 2020 -9.8%	4.2 MW	2015 1.7 MW 2016 1.5 MW 2017 1.7 MW 2018 3.5 MW 2019 4.2 MW 2020 6.6 MW	Industrial	Not Applicable
81	TPSU 15 005867 --GRADY 138 KV SUBSTATION	Refer to Section 3 23 of Exhibit JBN-3	2014 17%	2015 119% 2016 34.2% 2017 34.3% 2018 38% 2019 23.8% 2020 -4%	22.6 MW	2015 26.4 MW 2016 20.9 MW 2017 15.8 MW 2018 21.3 MW 2019 26 MW 2020 25.7 MW	Commercial Industrial	Not Applicable

<sup>1</sup> The Study used to support the Legacy Sharyland projects can be found attached to Joseph B. Nichols testimony, Exhibit JBN-3

<sup>2</sup> Customer names have been removed, and a unique identifier have been assigned to each customer. A key that contains the unique identifier that corresponds to each customer name is provided as confidential. See Schedule VI-M-2.1 1 (NTU) or Schedule VI-M-2.1 1 (Oncor)

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This information is confidential and will be made available only after execution of a certification to be bound by the draft protective order set forth in Section VII of this Rate Filing Package or a protective order issued in this docket.

**2022 RATE CASE**      **SCH**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**LOAD GROWTH IN AREAS IN WHICH OTHER UTILITIES**  
**ARE ALSO CERTIFICATED TO SERVE**  
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Oncor's Distribution Planning organization produces a multi-year substation bank peak demand forecast. This peak demand forecast is developed by adding known and historical base load growth to the normalized peak loading for each substation and substation bank. This is a bottom-up process based on Oncor's historical growth, new and existing customer load requests on the Oncor system, and load requests from wholesale customers that take distribution points of delivery (like distribution cooperatives) from Oncor. This methodology is the same for a singularly certified Oncor area or an area where Oncor shares certification with other electric utility(s).

Where a cooperative takes a distribution point of delivery from Oncor, the load from the cooperative is included in the actual total loads and the projected load as they are considered embedded on Oncor's system. However, there is no future load growth specified for the cooperative portion of the load in the projections unless an additional load request is received from the cooperative. The percentage specified in response to VI-M-2.2 is the distribution cooperative reported actual load (reported by the cooperative to Oncor) as a percentage of the

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SCHEDULE VI-M-2.2 (NTU)

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All load forecasts were developed using actual customer load interconnection requests received by Sharyland in the years prior to energization of the substation. Therefore, no adjustment was made to account for certificated areas.

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ONCOR ELECTRIC DELIVERY COMPANY LLC  
PROJECT COST SUMMARY INFORMATION  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021  
SPONSORS: W. R. SPEED AND J. B. NICHOLS**

This information is voluminous and will be made available in electronic format in accordance with the RFP General Instruction No. 15.

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SCHEDULE VI-M-3.2  
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	Identify Project	Project Name	Total Project Cost	Project Cost Directly Charged to Customers	Project Cost Requested to be Included in Rate Base	Relevant Tariff Provision	If Project Split into Two or More Projects for the Purpose of Separately Tracking Costs to be Charged to Customers as CIAC, Include All Costs as a Single Project
1	OPT04087	OPT04087 -- QUARRY FIELD SWITCH ( FORMERLY KYLE RANCH SW. STA )	\$ 13,019,093.39	\$ 1,409,818.00	\$ 11,609,275.39	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 16,272,226.07
	OPT38080	OPT38080 -- ENTERPRISE PIPELINE 138 KV POD CONSTRUCT TWO 138 KV LINES FROM QUARRY FIELD 138 KV SWITCH TO ENTERPRISE GC LLC	\$ 3,253,132.68	\$ 1,186,927.00	\$ 2,066,205.68	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 16,272,226.07
2	OPT37573	OPT37573 -- KNIGHTS BRANCH POD - PROVIDE A 138 KV POINT-OF-DELIVERY (POD) FOR UT SOUTHWESTERN MEDICAL CENTER	\$ 1,453,030.36	\$ 572,800.00	\$ 880,230.36	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 3,436,264.92
	OPT37574	OPT37574 -- NORWOOD SWITCH - EAST LEVEE SWITCH 138 KV LINE ESTABLISH KNIGHTS BRANCH POD FOR UT SOUTHWESTERN MEDICAL CENTER	\$ 1,983,234.56	\$ 470,000.00	\$ 1,513,234.56	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 3,436,264.92
3	OPT38079	OPT38079 -- CHINA GROVE - RADIUM 138 KV LINE: PROVIDE A 138 KV POINT-OF-DELIVERY (POD) FOR DUNN POD	\$ 2,438,832.02	\$ 350,000.00	\$ 2,088,832.02	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 3,121,982.10
	OPT38578	OPT38578 -- DUNN POD . PROVIDE A 138 KV POINT-OF-DELIVERY (POD) FOR SUNOCO PIPELINE, LP	\$ 667,255.99	\$ 43,482.00	\$ 623,773.99	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 3,121,982.10
	OPT41837	OPT41837 -- DUNN POD ESTABLISH LV METERING FOR TRANSFORMER #2 (EXPANSION PROJECT)	\$ 15,894.09	\$ 22,730.65	\$ (6,836.56)	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 3,121,982.10
4	OPT37311	OPT37311 -- KEMP RANCH SWITCH (VENUS SWITCH) : INSTALL TWO 138 KV POINT OF INTERCONNECTIONS FOR PROJECT GENUS BY CONSTRUCTING A NEW 138 KV SWITCHING STATION IN A BREAKER-AND-A-HALF BUS ARRANGEMENT	\$ 12,931,949.71	\$ 1,500,614.00	\$ 11,431,335.71	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 13,807,766.01
	OPT38091	OPT38091 -- KEMP RANCH SWITCH - GENUS #2 138 KV LINE BUILD	\$ 875,816.30	\$ 650,000.00	\$ 225,816.30	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 13,807,766.01
5	OPT39402	OPT39402 -- SPRABERRY SWITCH - MIDLAND EAST SUB 138 KV LINE FAIRGROUNDS POD FOR CENTURION'S MIDLAND TANK FARM	\$ 2,217,026.58	\$ 502,852.00	\$ 1,714,174.58	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 2,895,204.60
	OPT41008	OPT41008 -- FAIRGROUNDS POD : ESTABLISH 138 KV POINT OF DELIVERY	\$ 678,178.02	\$ 114,600.00	\$ 563,578.02	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 2,895,204.60
6	OPT38167	OPT38167 -- PLANO WEST SUB - RICHARDSON EAST SUB 138 KV LINE : RETERMINATION LINE AT TI PLANO SWITCH	\$ 280,116.73	\$ 454,164.00	\$ (174,047.27)	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 6,421,102.28
	OPT41600	OPT41600 -- PLANO TEXAS INSTRUMENT SWITCH . ESTABLISH POD FOR TEXAS INSTRUMENTS	\$ 5,623,239.77	\$ 3,893,248.00	\$ 1,729,991.77	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 6,421,102.28
	OPT41602	OPT41602 -- ALLEN SWITCH - PLANO WEST SWITCH 138 KV LINE : ESTABLISH POD FOR TEXAS INSTRUMENTS	\$ 517,745.78	\$ 555,857.00	\$ (38,111.22)	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 6,421,102.28

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	Identify Project	Project Name	Total Project Cost	Project Cost Directly Charged to Customers	Project Cost Requested to be Included in Rate Base	Relevant Tariff Provision	If Project Split into Two or More Projects for the Purpose of Separately Tracking Costs to be Charged to Customers as CIAC, Include All Costs as a Single Project
7	15T61026	15T61026 -- SHERRY-LIGGETT 138 KV GENERAL MOTORS POI	\$ 2,858,533.27	\$ 2,714,923.56	\$ 143,609.71	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 2,886,017.96
	16T61006	16T61006 -- GENERAL MOTORS 138-12.5 KV - REMOVE ONCOR OWNED FACILITIES	\$ 27,484.69	\$ 85,000.00	\$ (57,515.31)	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 2,886,017.96
	15T61035	15T61035 -- GREENVILLE AVE SW - PRENTICE POI 138 KV LINE DOUBLE CIRCUIT UNDG T-LINES (SMU)	\$ 6,616,853.31	\$ 4,869,417.01	\$ 1,747,436.30	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 7,890,924.55
8	16T61020	16T61020 -- GREENVILLE AVE SWITCH. INSTALL TWO-138 KV UG TERMINALS TO PRENTICE POD	\$ 1,055,047.30	\$ 460,071.00	\$ 594,976.30	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 7,890,924.55
	16T61021	16T61021 -- PRENTICE POI - CONSTRUCT 138 KV UG POI TO SMU	\$ 219,023.94	\$ 129,575.01	\$ 89,448.93	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	\$ 7,890,924.55
9	17T61078	17T61078 -- YUCCA DRIVE-BARILLA JCT 138 KV LINE AT BLAKE DRAW POD	\$ 857,355.67	\$ 375,000.00	\$ 482,355.67	Tariff for Transmission Service Chapter 3.4	\$ 1,828,823.16
	18T61008	18T61008 -- BLAKE DRAW POD: INSTALL 138 KV HIGH VOLTAGE REVENUE METERING	\$ 936,785.54	\$ 260,600.00	\$ 676,185.54	Tariff for Transmission Service Chapter 3.4	\$ 1,828,823.16
	17T61072	17T61072 -- BLAKE DRAW POD INSTALL 25 KV LOW VOLTAGE REVENUE METERING	\$ 34,681.95	\$ 50,000.00	\$ (15,318.05)	Tariff for Transmission Service Chapter 3.4	\$ 1,828,823.16
10	OPT04389	OPT04389 -- MANKIN SWITCH ESTABLISH STATION FOR TRWD CEDAR CREEK LAKE PUMP STATION	\$ 3,684,034.39	\$ 4,311,400.00	\$ (627,365.61)	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
	OPT04408	OPT04408 -- PECOS TRAIL POD (EDWARDS RANCH 138 KV POINT OF DELIVERY) : ESTABLISH POD FOR WISCONSIN PROPPANTS	\$ 1,276,797.17	\$ 116,866.00	\$ 1,159,931.17	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
11	OPT37418	OPT37418 -- BRYAN STREET SUB INSTALL DG ON FEEDERS #0003 & #0006	\$ 347,388.48	\$ 255,437.00	\$ 91,951.48	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
	OPT37484	OPT37484 -- HEXT SUB INSTALL DG ON FEEDER 1	\$ 737,387.28	\$ 115,305.91	\$ 622,081.37	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
13	OPT37566	OPT37566 -- CHIMNEY WELL POD PROVIDE A 138 KV POINT-OF-DELIVERY (POD) FOR CHEVRON USA INC	\$ 1,343,391.08	\$ 49,485.50	\$ 1,293,905.58	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
	OPT38246	OPT38246 -- MIDESSA SOUTH SW - MIDLAND EAST 138 KV LINE TRAIL JUNCTION POINT-OF-DELIVERY (POD) FOR CHEVRON USA	\$ 1,198,633.65	\$ 30,379.68	\$ 1,168,253.97	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable

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16	OPT38284	OPT38284 -- BOULDER POD 138 KV POINT OF DELIVERY FOR ANADARKO	\$ 1,556,143.23	\$ 82,798.82	\$ 1,473,344.41	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
17	OPT38362	OPT38362 -- HOLLY ERVIN POD : ESTABLISH A 138 KV POINT OF INTERCONNECTION FOR THE ATMOS PIPELINE	\$ 1,634,831.56	\$ 115,599.00	\$ 1,519,232.56	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
18	OPT38505	OPT38505 -- SAND LAKE SWITCH - AEP SOLSTICE 345 KV INTERCONNECT, CONSTRUCT 22.4 MILE 345 KV LINE SECTION OF ONCOR - AEP JOINTLY OWNED 44.8 MILE LINE	\$ 44,662,443.57	\$ 104,497.63	\$ 44,557,945.94	Tariff for Transmission Service Chapter 3.4	Not Applicable
19	OPT38606	OPT38606 -- RAILSIDE SWITCH - EXXONMOBIL PIPELINE COMPANY POD : ESTABLISH POD BY INSTALLING FOUR 138 KV, 3200 A CIRCUIT BREAKERS IN A RING-BUS ARRANGEMENT	\$ 4,600,534.55	\$ 3,756,247.00	\$ 844,287.55	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
20	OPT38854	OPT38854 -- SHIN OAK 138 KV POD . BLACKBEARD 138 KV POINT OF DELIVERY	\$ 877,582.86	\$ 1,920.00	\$ 875,662.86	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
21	OPT38858	OPT38858 -- OWL HILLS SUB - TUNSTILL POD 138KV - TRANSMISSION LINE; EASMTS ACQUIRE APPROX 18.7 MILES OF 70' WIDE RIGHT-OF-WAY	\$ 3,988,240.86	\$ 402,243.20	\$ 3,585,997.66	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
22	OPT39328	OPT39328 -- NAVY LAKE POD . INSTALL A 69 KV POINT-OF-DELIVERY (POD) FOR TEXAS EXPRESS PIPELINE	\$ 489,458.53	\$ 33,410.00	\$ 456,048.53	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
23	OPT39742	OPT39742 -- LONG PASTURE POD (KEYSTONE 138 KV POINT OF DELIVERY) ESTABLISH POD FOR PETROHAWK ENERGY	\$ 1,072,869.68	\$ 10,716.00	\$ 1,062,153.68	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
24	OPT40659	OPT40659 -- LENORAH POD ESTABLISH 138KV POINT OF DELIVERY	\$ 1,477,235.42	\$ 29,425.00	\$ 1,447,810.42	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
25	OPT41001	OPT41001 -- OCEANIC POD : ESTABLISH 138 KV POINT OF DELIVERY	\$ 654,912.39	\$ 4,075.00	\$ 650,837.39	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
26	OPT41624	OPT41624 -- PEBBLE CREEK SWITCH ESTABLISH 138 KV SWITCHING STATION	\$ 6,163,992.61	\$ 5,408,308.71	\$ 755,683.90	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
27	OPT41736	OPT41736 -- ENNIS SWITCH - DESOTO SWITCH 138 KV LINE CUT IN PEBBLE CREEK SWITCH	\$ 2,918,763.14	\$ 1,250,000.00	\$ 1,668,763.14	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
28	OPT41908	OPT41908 -- THIRTYSIX DRAW POD ESTABLISH 138KV POINT OF DELIVERY	\$ 684,822.78	\$ 16,443.00	\$ 668,379.78	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
29	OPT43714	OPT43714 -- GERMANIA POD : ESTABLISH 138 KV POD FOR DE3 JAVAID WEST SUB	\$ 733,567.32	\$ 50,124.00	\$ 683,443.32	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable

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SCHEDULE VI-M-3.2  
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30	OPT44105	OPT44105 -- DEEP CREEK SUB . INSTALL DGR	\$ 394,433.67	\$ 207,375.25	\$ 187,058.42	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
31	OPT44472	OPT44472 -- TEMPLE SUB - LITTLE RIVER SUB 69 KV LINE REROUTE FOR LITTLE RIVER ROAD EXPANSION	\$ 611,404.05	\$ 606,301.00	\$ 5,103.05	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
32	15T64031	15T64031 -- CORSICANA - MILDRED 69 KV LINE REBUILD	\$ 21,112,974.09	\$ 135,970.56	\$ 20,977,003.53	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
33	16T64146	16T64146 -- TEMPLE SUBSTATION - LITTLE RIVER SUBSTATION 69 KV LINE CMPC REBUILD	\$ 8,606,407.23	\$ 650,000.00	\$ 7,956,407.23	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
34	16T65017	16T65017 -- MIDLOTHIAN HOLNAM (BOX CROW). UPGRADE 138KV LINE TERMINAL	\$ 571,843.24	\$ 29,238.00	\$ 542,605.24	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
35	17T61004	17T61004 -- PEGASUS SOUTH SUBSTATION INSTALL DG ON FDR #7062	\$ 295,246.42	\$ 224,935.00	\$ 70,311.42	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
36	17T61021	17T61021 -- ELKINS ROAD POD INSTALL MOTOR OPERATOR SCADA CONTROLS AND LOW VOLTAGE METERING	\$ 480,124.14	\$ 196,058.93	\$ 284,065.21	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
37	17T61024	17T61024 -- ROLLING HILLS SUBSTATION: INSTALL AN ADDITIONAL FEED TO STATION 1 AND 2	\$ 651,211.70	\$ 241,882.56	\$ 409,329.14	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
38	17T61027	17T61027 -- NACOGDOCHES SOUTH SUBSTATION INSTALL 2-DG'S ON FDR #1505	\$ 772,200.98	\$ 299,400.01	\$ 472,800.97	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
39	17T61040	17T61040 -- SHERMAN LINE MATERIALS SUB - INSTALL DG ON FDR #1802	\$ 277,583.60	\$ 330,538.00	\$ (52,954.40)	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
40	17T61045	17T61045 -- WHITESBORO SOUTHEAST SUBSTATION: INSTALL DG ON FDR #1102 AND #1103	\$ 331,560.21	\$ 294,970.00	\$ 36,590.21	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
41	17T61055	17T61055 -- BLOCKLINE POD ESTABLISH NEW 138 KV POD	\$ 447,875.24	\$ 5,000.00	\$ 442,875.24	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
42	17T63118	17T63118 -- YUCCA DRIVE-BARILLA JCT 138 KV LINE AT TREES POD	\$ 303,492.92	\$ 110,000.00	\$ 193,492.92	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
43	18T61001	18T61001 -- THREEMILE DRAW SWITCH ESTABLISH 138 KV FOUR BREAKER RING BUS	\$ 4,149,406.68	\$ 3,850,000.00	\$ 299,406.58	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable

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44	18T61005	18T61005 -- LEATHERWOOD POD ESTABLISH NEW 138KV POD WITH MOTOR OPERATED SWITCHES	\$ 468,135.42	\$ 7,846.00	\$ 460,289.42	Tariff for Transmission Service Chapter 3.4	Not Applicable
45	18T61006	18T61006 -- PEMBERTON DRAW POD ESTABLISH NEW 138KV POD WITH MOTOR OPERATED SWITCHES	\$ 593,279.82	\$ 19,000.00	\$ 574,279.82	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
46	18T61014	18T61014 -- REETONE POD: ESTABLISH NEW 138KV POD WITH MOTOR-OPERATED SWITCHES	\$ 500,374.72	\$ 41,000.00	\$ 459,374.72	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
47	18T61016	18T61016 -- MCHALAM POD: ESTABLISH NEW 138 KV POD WITH HIGH VOLTAGE REVENUE METERING	\$ 1,155,486.24	\$ 32,885.00	\$ 1,122,601.24	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
48	18T61017	18T61017 -- MIDCREST (CRESTWOOD ORLA 138 KV POD) INSTALL THREE LINE SWITCHES AND METERING	\$ 968,447.58	\$ 93,661.48	\$ 874,786.10	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
49	18T61023	18T61023 -- HALLEY POD (BLACK MOUNTAIN SAND 138 KV POINT OF DELIVERY)	\$ 2,153,431.31	\$ 232,630.00	\$ 1,920,801.31	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
50	18T61029	18T61029 -- LINLEY RANCH POD - 138 KV POINT OF DELIVERY FOR ANADARKO	\$ 1,986,171.57	\$ 46,966.00	\$ 1,939,205.57	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
51	18T61054	18T61054 -- PENWELL POD. ESTABLISH NEW 138 KV POD WITH MOTOR-OPERATED SWITCHES	\$ 701,381.10	\$ 13,566.00	\$ 687,815.10	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
52	18T64147	18T64147 -- EDDY SUB: INSTALL DG ON FDR #712	\$ 300,555.68	\$ 211,187.06	\$ 89,368.62	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable
53	18T65078	18T65078 -- PAYNE SWITCH MODIFICATIONS FOR STONE CREEK SWITCH INSTALLATIONS	\$ 1,541,348.65	\$ 426,312.45	\$ 1,115,036.20	Tariff for Retail Delivery Service Chapter 6.1.2.2.1	Not Applicable

**2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
VII – CONFIDENTIALITY  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021  
SPONSOR: H. V. FISHER**

**STATEMENT OF CONFIDENTIALITY**

Below is a description of the confidential and/or highly sensitive confidential information contained in this rate filing package.

In addition, included in this Section is a draft standard Protective Order (modified to expressly include Critical Energy Infrastructure Information (“CEII”) in the definition of “Highly Sensitive Protected Materials”) to be used until issuance of a protective order in this docket.

**James A. Greer Testimony Exhibit JAG-17**

This exhibit has been designated as highly sensitive confidential. This exhibit contains cost and reliability information which was compiled by a third party and which constitutes that third party's confidential and trade secret information.

**Joseph B. Nichols Testimony Exhibit JBN-3**

This exhibit has been designated as highly sensitive confidential. The workpapers contain feeder and point of interconnection map/location data, facility one-line diagrams, loading and/or loss of load impacts, all of which are considered highly sensitive confidential information for homeland security/reliability reasons and which qualify, in whole or in part, as U.S. Department of Energy CEII. This exhibit also contains competitively sensitive cost information.

**Ellen Lapson Testimony (portions of pp. 25-28, 32 and 34) and Exhibits EL-6 through EL-12**

Portions of Ms. Lapson's Testimony and Exhibits EL-6 through EL-12 have been designated as confidential. The designated testimony contains information from, and Exhibits EL-6 through EL-11 are, rating agency reports, while Exhibit EL-12 utilizes rating agency information and methodologies, all of which are, or are taken from, copyrighted works that may not be publicly produced without the consent of the rating agency.

**Alan S. Taper Testimony Exhibits AST-1 through AST-10**

These exhibits have been designated as confidential. These exhibits contain actuarial valuation reports for Oncor and Vistra Energy (and its former affiliates), which reports are confidential between the third party and the entity for which they are prepared..

James A. Greer – Workpapers

These workpapers have been designated as highly sensitive confidential. These workpapers contain cost and reliability information that was compiled by a third party and which constitutes that third party's confidential and trade secret information.

Joseph B. Nichols – Workpapers

These workpapers have been designated as highly sensitive confidential. These workpapers contain cost information that was compiled by a third party and which constitutes that third party's confidential and trade secret information.

Matthew D. Smith – Workpapers

These workpapers have been designated as confidential. The workpapers contain confidential third-party payment and pricing information.

Gregory S. Wilson – Workpapers

These workpapers have been designated as confidential. They contain a computer model run, and the inputs to that run, conducted by the witness, that is the confidential and proprietary work product of the witness' firm.

Ellen Lapson - Workpapers

These workpapers have been designated as confidential. These workpapers contain information provided by or derived from rating agency reports or documents, which are copyrighted works that may not be publicly produced without the consent of the rating agency.

Schedule II-B-14 Funded/(Unfunded) Pension and Other Post-Employment Benefits Balance

Attachment 1 to this schedule has been designated as confidential. This attachment contains actuarial reports for Oncor's and Vistra Energy's (and its former affiliates) Postretirement Welfare Plans, Retirement Plans, and Supplemental Retirement Plans, which reports are confidential between the third party and the entity for which they are prepared.

Schedule II-C-2.6 and WP/II-C-2.6 Security Issuance Restrictions

Portions of this schedule and its corresponding workpapers have been designated as highly sensitive confidential. This schedule and corresponding workpapers contain financial projections, the disclosure of which is limited by SEC regulations.

Schedule II-C-2.7 and WP/II-C-2.7 Capital Requirements and Acquisition Plan

Portions of this schedule and its corresponding workpapers have been designated as highly sensitive confidential. This schedule and corresponding workpapers contain financial projections, the disclosure of which is limited by SEC regulations.

Schedule II-C-2.10 Rating Agency Reports

Portions of this Schedule have been designated as confidential. This schedule contains rating agency reports, which are copyrighted works that may not be publicly produced without the consent of the rating agency.

Schedule II-C-4 Board of Directors Meetings

Attachment 1 to this schedule has been designated as highly sensitive confidential. This attachment contains Board of Directors Meeting Agendas, and all matters considered by a Board of Directors, including whether certain items are considered (and for how long) or are not considered, are confidential. All information provided to the Board, including the agenda, is confidential and treated in that manner.

Schedule II-D-2.7 Outside Services Employed – FERC 900 Series Expenses

This schedule has been designated as confidential. This schedule contains confidential third-party payment and pricing information.

Schedule II-D-2.9 Rents and Leases

Attachment 1 to this schedule has been designated as confidential. These contracts contain confidential third-party contractual payment, pricing, and other terms.

Schedule II-D-3.10 Administration Fees

Attachment 1 to this schedule has been designated as confidential. This schedule contains administration contracts for certain employee benefits. Many of these contracts contain express confidentiality provisions, and these contracts contain confidential third-party contractual payment, pricing, and other terms.

Schedule VI-M-2.1.1 (NTU)

This schedule has been designated confidential. This schedule contains customer-specific load information.

Schedule VI-M-2.1.1 (Oncor)

This schedule has been designated confidential. This schedule contains customer-specific load information.

**WP/II-E-2/5 Taxes Other Than Federal Income Taxes**

This workpaper has been designated as confidential. This workpaper contains Oncor's federal income tax information, and all income tax information is commercially sensitive financial and tax information.

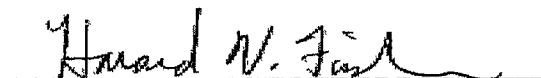
**WP/II-E-3.21/1 List of FIT Testimony**

This workpaper has been designated as confidential. This workpaper contains the 2020 Oncor Electric Delivery Company LLC tax return, which contains commercially sensitive financial and tax information.

**WP Schedule VI-M-1 and 2 (Oncor and NTU)**

This workpaper has been designated as highly sensitive confidential. This workpaper contains Oncor RPG Submittals and ERCOT Approval Letters, which documents contain feeder and point of interconnection map/location data, facility one-line diagrams, and loading and/or loss of load impacts, all of which are considered highly sensitive confidential information for homeland security/reliability reasons and which qualify, in whole or in part, as U.S. Department of Energy CEII.

I, Howard V. Fisher, Senior Counsel, have reviewed the information listed above sufficiently to state in good faith that the information is confidential and/or highly sensitive confidential.



Howard V. Fisher  
State Bar No. 07051500  
Oncor Electric Delivery Company LLC  
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Dallas, Texas 75202  
Telephone: 214.486.3026  
Facsimile: 214.486.3221

**DRAFT**  
**PROTECTIVE ORDER**

DOCKET NO. \_\_\_\_\_

APPLICATION OF ONCOR ELECTRIC § PUBLIC UTILITY COMMISSION  
DELIVERY COMPANY LLC FOR §  
AUTHORITY TO CHANGE RATES § OF TEXAS  
§

### PROTECTIVE ORDER

This Protective Order governs the use of all information deemed confidential (Protected Materials) or highly confidential (Highly Sensitive Protected Materials), including information whose confidentiality is currently under dispute, by a party providing information to the Public Utility Commission of Texas (Commission) or to any other party to this proceeding.

It is ORDERED that:

1. **Designation of Protected Materials.** Upon producing or filing a document, including, but not limited to, records on a computer disk or other similar electronic storage medium in this proceeding, the producing party may designate that document, or any portion of it, as confidential pursuant to this Protective Order by typing or stamping on its face "PROTECTED PURSUANT TO PROTECTIVE ORDER ISSUED IN DOCKET NO. \_\_\_\_\_" (or words to this effect) and consecutively Bates Stamping each page. Protected Materials and Highly Sensitive Protected Materials include the documents so designated, as well as the substance of the information contained in the documents and any description, report, summary, or statement about the substance of the information contained in the documents.
2. **Materials Excluded from Protected Materials Designation.** Protected Materials must not include any information or document contained in the public files of the Commission or any other federal or state agency, court, or local governmental authority subject to the Public Information Act.<sup>1</sup> Protected Materials

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<sup>1</sup> Tex. Gov't Code § 552.001-353.

also must not include documents or information which at the time of, or prior to disclosure in, a proceeding is or was public knowledge, or which becomes public knowledge other than through disclosure in violation of this Protective Order.

3. **Reviewing Party.** For the purposes of this Protective Order, a “Reviewing Party” is any party to this docket.
4. **Procedures for Designation of Protected Materials.** On or before the date the Protected Materials or Highly Sensitive Protected Materials are provided to the Commission, the producing party is required to file with the Commission and deliver to each party to the proceeding a written statement, which may be in the form of an objection, indicating: (a) any exemptions to the Public Information Act claimed to apply to the alleged Protected Materials; (b) the reasons supporting the producing party’s claim that the responsive information is exempt from public disclosure under the Public Information Act and subject to treatment as protected materials; and (c) that counsel for the producing party has reviewed the information sufficiently to state in good faith that the information is exempt from public disclosure under the Public Information Act and merits the Protected Materials designation.
5. **Persons Permitted Access to Protected Materials.** Except as otherwise provided in this Protective Order, a Reviewing Party may access Protected Materials only through its “Reviewing Representatives” who have signed the Protective Order Certification Form (see Attachment A). Reviewing Representatives of a Reviewing Party include its counsel of record in this proceeding and associated attorneys, paralegals, economists, statisticians, accountants, consultants, or other persons employed or retained by the Reviewing Party and directly engaged in this proceeding. At the request of the PUC Commissioners, copies of Protected Materials may be produced by Commission Staff. The Commissioners and their staff must be informed of the existence and coverage of this Protective Order and will observe the restrictions of the Protective Order.

6. **Highly Sensitive Protected Material Described.** The term "Highly Sensitive Protected Materials" is a subset of Protected Materials and refers to documents or information that a producing party claims is of such a highly sensitive nature that making copies of such documents or information or providing access to such documents to employees of the Reviewing Party (except as specified herein) would expose a producing party to unreasonable risk of harm. Highly Sensitive Protected Materials include but are not limited to: (a) customer-specific information protected by § 32.101(c) of the Public Utility Regulatory Act;<sup>2</sup> (b) contractual information pertaining to contracts that specify that their terms are confidential or that are confidential pursuant to an order entered in litigation to which the producing party is a party; (c) market-sensitive fuel price forecasts, wholesale transactions information and/or market-sensitive marketing plans; (d) business operations or financial information that is commercially sensitive; and (e) for the purposes of this Protective Order, Critical Energy Infrastructure Information (CEII), as that term is defined in Section 2.1 of the ERCOT Protocols, is also considered Highly Sensitive Protected Material. Documents or information so classified by a producing party must bear the designation "HIGHLY SENSITIVE PROTECTED MATERIALS PROVIDED PURSUANT TO PROTECTIVE ORDER ISSUED IN DOCKET NO. \_\_\_\_\_" (or words to this effect) and must be consecutively Bates Stamped. The provisions of this Protective Order pertaining to Protected Materials also apply to Highly Sensitive Protected Materials, except where this Protective Order provides for additional protections for Highly Sensitive Protected Materials. In particular, the procedures herein for challenging the producing party's designation of information as Protected Materials also apply to information that a producing party designates as Highly Sensitive Protected Materials.

7. **Restrictions on Copying and Inspection of Highly Sensitive Protected Material.** Except as expressly provided herein, only one copy may be made of any Highly Sensitive Protected Materials except that additional copies may be

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<sup>2</sup> Public Utility Regulatory Act, Tex. Util. Code §§ 11.001-66.016 (PURA).

made to have sufficient copies for introduction of the material into the evidentiary record if the material is to be offered for admission into the record. The Reviewing Party is required to maintain a record of all copies made of Highly Sensitive Protected Material and must send a duplicate of the record to the producing party when the copy or copies are made. The record must specify the location and the person possessing the copy. Highly Sensitive Protected Material must be made available for inspection only at the location or locations provided by the producing party, except as specified by Paragraph 9. Limited notes may be made of Highly Sensitive Protected Materials, and such notes must themselves be treated as Highly Sensitive Protected Materials unless such notes are limited to a description of the document and a general characterization of its subject matter in a manner that does not state any substantive information contained in the document.

8. **Restricting Persons Who May Have Access to Highly Sensitive Protected Material.** With the exception of Commission Staff, the Office of the Attorney General (OAG), and the Office of Public Utility Counsel (OPC), and except as provided herein, the Reviewing Representatives for the purpose of access to Highly Sensitive Protected Materials may be persons who are (a) outside counsel for the Reviewing Party, (b) outside consultants for the Reviewing Party working under the direction of Reviewing Party's counsel, or (c) employees of the Reviewing Party working with and under the direction of Reviewing Party's counsel who have been authorized by the presiding officer to review Highly Sensitive Protected Materials. The Reviewing Party must limit the number of Reviewing Representatives that review Highly Sensitive Protected Materials to the minimum number of persons necessary. The Reviewing Party is under a good faith obligation to limit access to each portion of any Highly Sensitive Protected Materials to two Reviewing Representatives whenever possible. Reviewing Representatives for Commission Staff, OAG, and OPC, for the purpose of access to Highly Sensitive Protected Materials, must consist of their respective counsel of record in this proceeding and associated attorneys,

paralegals, economists, statisticians, accountants, consultants, or other persons employed or retained by them and directly engaged in these proceedings.

9. **Copies Provided of Highly Sensitive Protected Material.** A producing party is required to provide one copy of Highly Sensitive Protected Materials specifically requested by the Reviewing Party to the person designated by the Reviewing Party who must be a person authorized to review Highly Sensitive Protected Material under Paragraph 8. Representatives of the Reviewing Party who are authorized to view Highly Sensitive Protected Material may review the copy of Highly Sensitive Protected Materials at the office of the Reviewing Party's representative designated to receive the information. Any Highly Sensitive Protected Materials provided to a Reviewing Party may not be copied except as provided in Paragraph 7. The restrictions contained herein do not apply to Commission Staff, OPC, and the OAG when the OAG is representing a party to the proceeding.
10. **Procedures in Paragraphs 10-14 Apply to Commission Staff, OPC, and the OAG and Control in the Event of Conflict.** The procedures in Paragraphs 10 through 14 apply to responses to requests for documents or information that the producing party designates as Highly Sensitive Protected Materials and provides to Commission Staff, OPC, and the OAG in recognition of their purely public functions. To the extent the requirements of Paragraphs 10 through 14 conflict with any requirements contained in other paragraphs of this Protective Order, the requirements of these Paragraphs control.
11. **Copy of Highly Sensitive Protected Material to be Provided to Commission Staff, OPC and the OAG.** When, in response to a request for information by a Reviewing Party, the producing party makes available for review documents or information claimed to be Highly Sensitive Protected Materials, the producing party is required to also deliver one copy of the Highly Sensitive Protected Materials to the Commission Staff, OPC (if OPC is a party), and the OAG (if the OAG is representing a party) in Austin, Texas. Provided however, that in the event such Highly Sensitive Protected Materials are voluminous, the materials

will be made available for review by Commission Staff, OPC (if OPC is a party), and the OAG (if the OAG is representing a party) at the designated office in Austin, Texas. The Commission Staff, OPC (if OPC is a party) and the OAG (if the OAG is representing a party) may request such copies as are necessary of such voluminous material under the copying procedures specified herein.

12. **Delivery of the Copy of Highly Sensitive Protected Material to Commission Staff and Outside Consultants.** The Commission Staff, OPC (if OPC is a party), and the OAG (if the OAG is representing a party) may deliver the copy of Highly Sensitive Protected Materials received by them to the appropriate members of their staff for review, provided such staff members first sign the certification specified by Paragraph 15. After obtaining the agreement of the producing party, Commission Staff, OPC (if OPC is a party), and the OAG (if the OAG is representing a party) may deliver the copy of Highly Sensitive Protected Materials received by it to the agreed, appropriate members of their outside consultants for review, provided such outside consultants first sign the certification in Attachment A.
13. **Restriction on Copying by Commission Staff, OPC and the OAG.** Except as allowed by Paragraph 7, Commission Staff, OPC and the OAG may not make additional copies of the Highly Sensitive Protected Materials furnished to them unless the producing party agrees in writing otherwise, or, upon a showing of good cause, the presiding officer directs otherwise. Commission Staff, OPC, and the OAG may make limited notes of Highly Sensitive Protected Materials furnished to them, and all such handwritten notes will be treated as Highly Sensitive Protected Materials as are the materials from which the notes are taken.
14. **Public Information Requests.** In the event of a request for any of the Highly Sensitive Protected Materials under the Public Information Act, an authorized representative of the Commission, OPC, or the OAG may furnish a copy of the requested Highly Sensitive Protected Materials to the Open Records Division at the OAG together with a copy of this Protective Order after notifying the

producing party that such documents are being furnished to the OAG. Such notification may be provided simultaneously with the delivery of the Highly Sensitive Protected Materials to the OAG.

15. **Required Certification.** Each person who inspects the Protected Materials must, before such inspection, agree in writing to the following certification found in Attachment A to this Protective Order:

I certify my understanding that the Protected Materials are provided to me pursuant to the terms and restrictions of the Protective Order in this docket, and that I have been given a copy of it and have read the Protective Order and agree to be bound by it. I understand that the contents of the Protected Materials, any notes, memoranda, or any other form of information regarding or derived from the Protected Materials must not be disclosed to anyone other than in accordance with the Protective Order and unless I am an employee of the Commission or OPC will be used only for the purpose of the proceeding in Docket No. \_\_\_\_\_. I acknowledge that the obligations imposed by this certification are pursuant to such Protective Order. Provided, however, if the information contained in the Protected Materials is obtained from independent public sources, the understanding stated herein must not apply.

In addition, Reviewing Representatives who are permitted access to Highly Sensitive Protected Material under the terms of this Protective Order must, before inspection of such material, agree in writing to the following certification found in Attachment A to this Protective Order:

I certify that I am eligible to have access to Highly Sensitive Protected Material under the terms of the Protective Order in this docket. I further certify my understanding that the Highly Sensitive Protected Materials provided to me may include information designated as critical energy infrastructure information (CEII) and agree to treat such CEII confidentially and in accordance with the terms of the Protective Order.

The Reviewing Party is required to provide a copy of each signed certification to Counsel for the producing party and serve a copy upon all parties of record.

16. **Disclosures between Reviewing Representatives and Continuation of Disclosure Restrictions after a Person is no Longer Engaged in the Proceeding.** Any Reviewing Representative may disclose Protected Materials,

other than Highly Sensitive Protected Materials, to any other person who is a Reviewing Representative provided that, if the person to whom disclosure is to be made has not executed and provided for delivery of a signed certification to the party asserting confidentiality, that certification must be executed prior to any disclosure. A Reviewing Representative may disclose Highly Sensitive Protected Material to other Reviewing Representatives who are permitted access to such material and have executed the additional certification required for persons who receive access to Highly Sensitive Protected Material. In the event that any Reviewing Representative to whom Protected Materials are disclosed ceases to be engaged in these proceedings, access to Protected Materials by that person must be terminated and all notes, memoranda, or other information derived from the protected material must either be destroyed or given to another Reviewing Representative of that party who is authorized pursuant to this Protective Order to receive the protected materials. Any person who has agreed to the foregoing certification is required to continue to be bound by the provisions of this Protective Order so long as it is in effect, even if no longer engaged in these proceedings.

17. **Producing Party to Provide One Copy of Certain Protected Material and Procedures for Making Additional Copies of Such Materials.** Except for Highly Sensitive Protected Materials, which must be provided to the Reviewing Parties under Paragraph 9, and voluminous Protected Materials, the producing party is required to provide a Reviewing Party one copy of the Protected Materials upon receipt of the signed certification described in Paragraph 15. Except for Highly Sensitive Protected Materials, a Reviewing Party may make further copies of Protected Materials for use in this proceeding according to this Protective Order, but a record must be maintained as to the documents reproduced and the number of copies made, and upon request the Reviewing Party is required to provide the party asserting confidentiality with a copy of that record.
18. **Procedures Regarding Voluminous Protected Materials.** 16 Texas Administrative Code (TAC) § 22.144(h) will govern production of voluminous

Protected Materials. Voluminous Protected Materials will be made available in the producing party's voluminous room, in Austin, Texas, or at a mutually agreed upon location, Monday through Friday, 9:00 a.m. to 5:00 p.m. (except on state or Federal holidays), and at other mutually convenient times upon reasonable request.

19. **Reviewing Period Defined.** The Protected Materials may be reviewed only during the Reviewing Period, which will commence upon entry of this Protective Order and continue until the expiration of the Commission's plenary jurisdiction. The Reviewing Period will reopen if the Commission regains jurisdiction due to a remand as provided by law. Protected materials that are admitted into the evidentiary record or accompanying the evidentiary record as offers of proof may be reviewed throughout the pendency of this proceeding and any appeals.
20. **Procedures for Making Copies of Voluminous Protected Materials.** Other than Highly Sensitive Protected Materials, Reviewing Parties may take notes regarding the information contained in voluminous Protected Materials made available for inspection or they may make photographic, mechanical or electronic copies of the Protected Materials, subject to the conditions in this Protective Order; provided, however, that before photographic, mechanical or electronic copies may be made, the Reviewing Party seeking photographic, mechanical or electronic copies must provide written confirmation of the receipt of copies listed on Attachment B of this Protective Order identifying each piece of Protected Materials or portions thereof the Reviewing Party will need.
21. **Protected Materials to be Used Solely for the Purposes of These Proceedings.** All Protected Materials must be made available to the Reviewing Parties and their Reviewing Representatives solely for the purposes of these proceedings. Access to the Protected Materials may not be used in the furtherance of any other purpose, including, without limitation: (a) any other pending or potential proceeding involving any claim, complaint, or other grievance of whatever nature, except appellate review proceedings that may arise from or be subject to these proceedings; or (b) any business or competitive

endeavor of whatever nature. Because of their statutory regulatory obligations, these restrictions do not apply to Commission Staff or OPC.

22. **Procedures for Confidential Treatment of Protected Materials and Information Derived from Those Materials.** Protected Materials, as well as a Reviewing Party's notes, memoranda, or other information regarding or derived from the Protected Materials are to be treated confidentially by the Reviewing Party and must not be disclosed or used by the Reviewing Party except as permitted and provided in this Protective Order. Information derived from or describing the Protected Materials must be maintained in a secure place and must not be placed in the public or general files of the Reviewing Party except in accordance with the provisions of this Protective Order. A Reviewing Party must take all reasonable precautions to insure that the Protected Materials including notes and analyses made from Protected Materials that disclose Protected Materials are not viewed or taken by any person other than a Reviewing Representative of a Reviewing Party.
23. **Procedures for Submission of Protected Materials.** If a Reviewing Party tenders for filing any Protected Materials, including Highly Sensitive Protected Materials, or any written testimony, exhibit, brief, motion or other type of pleading or other submission at the Commission or before any other judicial body that quotes from Protected Materials or discloses the content of Protected Materials, the confidential portion of such submission must be filed and served in sealed envelopes or other appropriate containers endorsed to the effect that they contain Protected Material or Highly Sensitive Protected Material and are sealed pursuant to this Protective Order. If filed at the Commission, such documents must be marked "PROTECTED MATERIAL" and must be filed under seal with the presiding officer and served under seal to the counsel of record for the Reviewing Parties. The presiding officer may subsequently, on his/her own motion or on motion of a party, issue a ruling respecting whether or not the inclusion, incorporation or reference to Protected Materials is such that such submission should remain under seal. If filing before a judicial body, the filing party: (a) must notify the party which provided the information within sufficient

time so that the producing party may seek a temporary sealing order; and (b) must otherwise follow the procedures in Rule 76a, Texas Rules of Civil Procedure.

24. **Maintenance of Protected Status of Materials during Pendency of Appeal of Order Holding Materials are not Protected Materials.** In the event that the presiding officer at any time in the course of this proceeding finds that all or part of the Protected Materials are not confidential or proprietary, by finding, for example, that such materials have entered the public domain or materials claimed to be Highly Sensitive Protected Materials are only Protected Materials, those materials will nevertheless be subject to the protection afforded by this Protective Order for three (3) full working days, unless otherwise ordered, from the date the party asserting confidentiality receives notice of the presiding officer's order. Such notification will be by written communication. This provision establishes a deadline for appeal of a presiding officer's order to the Commission. In the event an appeal to the Commissioners is filed within those three (3) working days from notice, the Protected Materials must be afforded the confidential treatment and status provided in this Protective Order during the pendency of such appeal. Neither the party asserting confidentiality nor any Reviewing Party waives its right to seek additional administrative or judicial remedies after the Commission's denial of any appeal.

25. **Notice of Intent to Use Protected Materials or Change Materials Designation.** Parties intending to use Protected Materials must notify the other parties prior to offering them into evidence or otherwise disclosing such information into the record of the proceeding. During the pendency of Docket No. \_\_\_\_\_ at the Commission, in the event that a Reviewing Party wishes to disclose Protected Materials to any person to whom disclosure is not authorized by this Protective Order, or wishes to have changed the designation of certain information or material as Protected Materials by alleging, for example, that such information or material has entered the public domain, such Reviewing Party must first file and serve on all parties written notice of such proposed disclosure or request for change in designation, identifying with particularity each of such

Protected Materials. A Reviewing Party will at any time be able to file a written motion to challenge the designation of information as Protected Materials.

26. **Procedures to Contest Disclosure or Change in Designation.** In the event that the party asserting confidentiality wishes to contest a proposed disclosure or request for change in designation, the party asserting confidentiality must file with the appropriate presiding officer its objection to a proposal, with supporting affidavits, if any, within five (5) working days after receiving such notice of proposed disclosure or change in designation. Failure of the party asserting confidentiality to file such an objection within this period will be deemed a waiver of objection to the proposed disclosure or request for change in designation. Within five (5) working days after the party asserting confidentiality files its objection and supporting materials, the party challenging confidentiality may respond. Any such response must include a statement by counsel for the party challenging such confidentiality that he or she has reviewed all portions of the materials in dispute and, without disclosing the Protected Materials, a statement as to why the Protected Materials should not be held to be confidential under current legal standards, or that the party asserting confidentiality for some reason did not allow such counsel to review such materials. If either party wishes to submit the material in question for in camera inspection, it must do so no later than five (5) working days after the party challenging confidentiality has made its written filing.
27. **Procedures for Presiding Officer Determination Regarding Proposed Disclosure or Change in Designation.** If the party asserting confidentiality files an objection, the appropriate presiding officer will determine whether the proposed disclosure or change in designation is appropriate. Upon the request of either the producing or Reviewing Party or upon the presiding officer's own initiative, the presiding officer may conduct a prehearing conference. The burden is on the party asserting confidentiality to show that such proposed disclosure or change in designation should not be made. If the presiding officer determines that such proposed disclosure or change in designation should be made, disclosure must not take place earlier than three (3) full working days after such

determination unless otherwise ordered. No party waives any right to seek additional administrative or judicial remedies concerning such presiding officer's ruling.

28. **Maintenance of Protected Status during Periods Specified for Challenging Various Orders.**

Any party electing to challenge, in the courts of this state, a Commission or presiding officer determination allowing disclosure or a change in designation will have a period of ten (10) days from: (a) the date of an unfavorable Commission order; or (b) if the Commission does not rule on an appeal of an interim order, the date an appeal of an interim order to the Commission is overruled by operation of law, to obtain a favorable ruling in state district court. Any party challenging a state district court determination allowing disclosure or a change in designation will have an additional period of ten (10) days from the date of the order to obtain a favorable ruling from a state appeals court. Finally, any party challenging a determination of a state appeals court allowing disclosure or a change in designation will have an additional period of ten (10) days from the date of the order to obtain a favorable ruling from the state supreme court, or other appellate court. All Protected Materials must be afforded the confidential treatment and status provided for in this Protective Order during the periods for challenging the various orders referenced in this paragraph. For purposes of this paragraph, a favorable ruling of a state district court, state appeals court, Supreme Court or other appellate court includes any order extending the deadlines in this paragraph.

29. **Other Grounds for Objection to Use of Protected Materials Remain Applicable.**

Nothing in this Protective Order precludes any party from objecting to the use of Protected Materials on grounds other than confidentiality, including the lack of required relevance. Nothing in this Protective Order constitutes a waiver of the right to argue for more disclosure, provided, however, that unless the Commission or a court orders such additional disclosure, all parties will abide by the restrictions imposed by the Protective Order.

30. **Protection of Materials from Unauthorized Disclosure.** All notices, applications, responses or other correspondence must be made in a manner which protects Protected Materials from unauthorized disclosure.
31. **Return of Copies of Protected Materials and Destruction of Information Derived from Protected Materials.** Following the conclusion of these proceedings, each Reviewing Party must, no later than thirty (30) days following receipt of the notice described below, return to the party asserting confidentiality all copies of the Protected Materials provided by that party pursuant to this Protective Order and all copies reproduced by a Reviewing Party, and counsel for each Reviewing Party must provide to the party asserting confidentiality a letter by counsel that, to the best of his or her knowledge, information, and belief, all copies of notes, memoranda, and other documents regarding or derived from the Protected Materials (including copies of Protected Materials) that have not been so returned, if any, have been destroyed, other than notes, memoranda, or other documents which contain information in a form which, if made public, would not cause disclosure of the substance of Protected Materials. As used in this Protective Order, "conclusion of these proceedings" refers to the exhaustion of available appeals, or the running of the time for the making of such appeals, as provided by applicable law. If, following any appeal, the Commission conducts a remand proceeding, then the "conclusion of these proceedings" is extended by the remand to the exhaustion of available appeals of the remand, or the running of the time for making such appeals of the remand, as provided by applicable law. Promptly following the conclusion of these proceedings, counsel for the party asserting confidentiality will send a written notice to all other parties, reminding them of their obligations under this Paragraph. Nothing in this Paragraph prohibits counsel for each Reviewing Party from retaining two (2) copies of any filed testimony, brief, application for rehearing, hearing exhibit or other pleading which refers to Protected Materials provided that any such Protected Materials retained by counsel will remain subject to the provisions of this Protective Order.

32. **Applicability of Other Law.** This Protective Order is subject to the requirements of the Public Information Act, the Open Meetings Act,<sup>3</sup> the Texas Securities Act<sup>4</sup> and any other applicable law, provided that parties subject to those acts will notify the party asserting confidentiality, if possible under those acts, prior to disclosure pursuant to those acts. Such notice is not required where the Protected Materials are sought by governmental officials authorized to conduct a criminal or civil investigation that relates to or involves the Protected Materials, and those governmental officials aver in writing that such notice could compromise the investigation and that the governmental entity involved will maintain the confidentiality of the Protected Materials.
33. **Procedures for Release of Information under Order.** If required by order of a governmental or judicial body, the Reviewing Party may release to such body the confidential information required by such order; provided, however, that: (a) the Reviewing Party must notify the producing party of the order requiring the release of such information within five (5) calendar days of the date the Reviewing Party has notice of the order; (b) the Reviewing Party must notify the producing party at least five (5) calendar days in advance of the release of the information to allow the producing party to contest any release of the confidential information; and (c) the Reviewing Party must use its best efforts to prevent such materials from being disclosed to the public. The terms of this Protective Order do not preclude the Reviewing Party from complying with any valid and enforceable order of a state or federal court with competent jurisdiction specifically requiring disclosure of Protected Materials earlier than contemplated herein. The notice specified in this section is not required where the Protected Materials are sought by governmental officials authorized to conduct a criminal or civil investigation that relates to or involves the Protected Materials, and those governmental officials aver in writing that such notice could compromise the investigation and that the

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<sup>3</sup> Tex. Gov't Code § 551.001-.146.

<sup>4</sup> Tex. Rev. Civ. Stat. Ann. arts. 581-1 to 581-43.

governmental entity involved will maintain the confidentiality of the Protected Materials.

34. **Best Efforts Defined.** The term “best efforts” as used in the preceding paragraph requires that the Reviewing Party attempt to ensure that disclosure is not made unless such disclosure is pursuant to a final order of a Texas governmental or Texas judicial body, the written opinion of the Texas Attorney General sought in compliance with the Public Information Act, or the request of governmental officials authorized to conduct a criminal or civil investigation that relates to or involves the Protected Materials. The Reviewing Party is not required to delay compliance with a lawful order to disclose such information but is simply required to timely notify the party asserting confidentiality, or its counsel, that it has received a challenge to the confidentiality of the information and that the Reviewing Party will either proceed under the provisions of §552.301 of the Public Information Act, or intends to comply with the final governmental or court order. Provided, however, that no notice is required where the Protected Materials are sought by governmental officials authorized to conduct a criminal or civil investigation that relates to or involves the Protected Materials, and those governmental officials aver in writing that such notice could compromise the investigation and that the governmental entity involved will maintain the confidentiality of the Protected Materials.
35. **Notify Defined.** “Notify” for purposes of Paragraphs 32, 33 and 34 means written notice to the party asserting confidentiality at least five (5) calendar days prior to release; including when a Reviewing Party receives a request under the Public Information Act. However, the Commission, OAG, or OPC may provide a copy of Protected Materials to the Open Records Division of the OAG as provided herein.
36. **Requests for Non-Disclosure.** If the producing party asserts that the requested information should not be disclosed at all, or should not be disclosed to certain parties under the protection afforded by this Protective Order, the producing party must tender the information for in camera review to the presiding officer within ten (10) calendar days of the request. At the same time, the producing party is

required to file and serve on all parties its argument, including any supporting affidavits, in support of its position of non-disclosure. The burden is on the producing party to establish that the material should not be disclosed. The producing party must serve a copy of the information under the classification of Highly Sensitive Protected Material to all parties requesting the information that the producing party has not alleged should be prohibited from reviewing the information.

Parties wishing to respond to the producing party's argument for non-disclosure must do so within five working days. Responding parties should explain why the information should be disclosed to them, including why disclosure is necessary for a fair adjudication of the case if the material is determined to constitute a trade secret. If the presiding officer finds that the information should be disclosed as Protected Material under the terms of this Protective Order, the presiding officer will stay the order of disclosure for such period of time as the presiding officer deems necessary to allow the producing party to appeal the ruling to the Commission.

37. **Sanctions Available for Abuse of Designation.** If the presiding officer finds that a producing party unreasonably designated material as Protected Material or as Highly Sensitive Protected Material, or unreasonably attempted to prevent disclosure pursuant to Paragraph 36, the presiding officer may sanction the producing party pursuant to 16 TAC § 22.161.
38. **Modification of Protective Order.** Each party will have the right to seek changes in this Protective Order as appropriate from the presiding officer.

39. **Breach of Protective Order.** In the event of a breach of the provisions of this Protective Order, the producing party, if it sustains its burden of proof required to establish the right to injunctive relief, will be entitled to an injunction against such breach without any requirements to post bond as a condition of such relief. The producing party will not be relieved of proof of any element required to establish the right to injunctive relief. In addition to injunctive relief, the producing party will be entitled to pursue any other form of relief to which it is entitled.

**ATTACHMENT A**  
**Protective Order Certification**

I certify my understanding that the Protected Materials are provided to me pursuant to the terms and restrictions of the Protective Order in this docket and that I have received a copy of it and have read the Protective Order and agree to be bound by it. I understand that the contents of the Protected Materials, any notes, memoranda, or any other form of information regarding or derived from the Protected Materials must not be disclosed to anyone other than in accordance with the Protective Order and unless I am an employee of the Commission or OPC will be used only for the purpose of the proceeding in Docket No. \_\_\_\_\_. I acknowledge that the obligations imposed by this certification are pursuant to such Protective Order. Provided, however, if the information contained in the Protected Materials is obtained from independent public sources, the understanding stated here will not apply.

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Signature

Party Represented

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Printed Name

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Date

I certify that I am eligible to have access to Highly Sensitive Protected Material under the terms of the Protective Order in this docket. I further certify my understanding that the Highly Sensitive Protected Materials provided to me may include information designated as critical energy infrastructure information (CEII) and agree to treat such CEII confidentially and in accordance with the terms of the Protective Order.

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Signature

Party Represented

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Printed Name

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Date

## **ATTACHMENT B**

I request to view/copy the following documents:

Document Requested	# of Copies	Non-Confidential	Protected Materials and/or Highly Sensitive Protected Materials

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Signature

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Party Represented

---

Printed Name

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Date

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
I-A COST OF SERVICE SUMMARY - AMOUNT AT EXISTING RATES (PRESENT REVENUES)  
TEST YEAR ENDING DECEMBER 31, 2021  
SPONSOR: W. ALAN LEDBETTER & M. TROXLE

WP I-A  
Page 1 of 1

Retail, Wholesale, and Other Revenues - Schedule II-H-4.1, Page 9 of 9, Line No. 29	\$4,035,406,603
Docket No. 53145 Oncor	\$1,247,772,772
Docket No. 52989 Oncor NTU	<u>\$233,878,508</u>
Network Transmission Revenue	\$1,481,651,280
Transmission Related Other Revenues WP II-E-5 Other Revenue (TRAN & NTU TRAN)	<u>\$43,023,335</u>
Transmission and Distribution Cost of Service - Sch I-A, Column Amount at Existing Rates (c)Line No 1	\$5,560,081,218

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
NET PLANT FACTORS FOR INTANGIBLE PLANT  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Intangible systems not Direct Assigned are allocated based on Net Plant excluding Intangible, non-AMS computer equipment (391-0215, Function G) & NTU or Transmission & Distribution Gross Plant excluding NTU

	Allocation to Texas	TRAN	NTU TRAN	DC TIE	Consol TRAN	DIST	NTU DIST	Consol DIST	MET	TDCS
Total Plant In Service Net (Excl. Intangibles) from Schedule II-B-5										
Line 74	20,471,787,882.40	8,930,688,473.68	1,413,505,644.17	11,582,390.28	10,365,776,508.13	9,636,452,188.46	115,590,307.41	9,752,042,495.87	304,698,421.35	59,270,457.05
Less Net Plant Non-AMS Computer Equipment from WP II-B-5_10	144,639,896.40	33,542,993.12	7,023.85		33,550,016.97	43,854,852.71		43,854,852.71	25,133,128.91	42,101,897.81
	20,327,147,986.00	8,897,145,480.56	1,413,498,620.33	11,582,390.28	10,322,226,491.16	9,592,597,335.75	115,590,307.41	9,708,187,643.16	279,565,292.44	17,168,559.24
Total Net Plant Less Intangible, Non-AMS Computer Equipment (391-0215, Function G), & NTU	18,798,059,058.26	8,897,145,480.56		11,582,390.28	8,908,727,870.84	9,592,597,335.75			279,565,292.44	17,168,559.24
					47.392%	51.030%			1.487%	0.091%
									100.000%	
TOTAL TRAN, DIST PLANT-GROSS (Lines 20+39) from Schedule II-B-1 Excluding NTU	29,060,374,837.27	11,579,066,102.25	1,730,304,248.47	32,539,117.65	13,341,909,468.37	15,000,680,383.71	143,637,502.12	15,144,317,885.83	574,147,483.07	0.00
	27,186,433,086.68	11,579,066,102.25		32,539,117.65	11,611,605,219.90	15,000,680,383.71		15,000,680,383.71	574,147,483.07	0.00
Allocation % for Intangible Asset - Spectrum 700MHz					42.711%	55.177%			2.112%	0.000%
									100.000%	

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**INVESTMENT IN ACCOUNT 303-INTANGIBLE PLANT BY BUSINESS SYSTEM**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: W A LEDBETTER

Unit	System	FERC Account	Vintage	Location	Allocation Methodology	Allocation to Texas	TRAN	NTU TRAN	DC TIE	Consol TRAN	DIST	NTU DIST	Consol DIST	MET	TDCS
DIST	Advance Metering Information System (AMS)	303	2008	0005060	Direct Assigned	435,058 35	0 00	0 00	0 00	0 00	0 00	0 00	435,058 35	0 00	0 00
DIST	Advance Metering Information System (AMS)	303	2009	0005060	Direct Assigned	44,752,040 15	0 00	0 00	0 00	0 00	0 00	0 00	44,752,040 15	0 00	0 00
DIST	Advance Metering Information System (AMS)	303	2010	0005060	Direct Assigned	42,337,483 31	0 00	0 00	0 00	0 00	0 00	0 00	42,337,483 31	0 00	0 00
DIST	Advance Metering Information System (AMS)	303	2011	0005060	Direct Assigned	33,528,070 66	0 00	0 00	0 00	0 00	0 00	0 00	33,528,070 66	0 00	0 00
DIST	Advance Metering Information System (AMS)	303	2012	0005060	Direct Assigned	12,518,996 98	0 00	0 00	0 00	0 00	0 00	0 00	12,518,996 98	0 00	0 00
DIST	Advance Metering Information System (AMS)	303	2012	0005060	Direct Assigned	5,332,477 82	0 00	0 00	0 00	0 00	0 00	0 00	5,332,477 82	0 00	0 00
DIST	Advance Metering Information System (AMS)	303	2013	0005060	Direct Assigned	2,889,452 95	0 00	0 00	0 00	0 00	0 00	0 00	2,889,452 95	0 00	0 00
DIST	Advance Metering Information System (AMS)	303	2013	0005060	Direct Assigned	(15,813 22)	0 00	0 00	0 00	0 00	0 00	0 00	(15,813 22)	0 00	0 00
DIST	Advance Metering Information System (AMS)	303	2014	0005060	Direct Assigned	5,205,015 33	0 00	0 00	0 00	0 00	0 00	0 00	5,205,015 33	0 00	0 00
DIST	Advance Metering Information System (AMS)	303	2015	0005060	Direct Assigned	3,547,658 32	0 00	0 00	0 00	0 00	0 00	0 00	3,547,658 32	0 00	0 00
DIST	Advance Metering Information System (AMS)	303	2016	0005060	Direct Assigned	9,092,402 42	0 00	0 00	0 00	0 00	0 00	0 00	9,092,402 42	0 00	0 00
DIST	Advance Metering Information System (AMS)	303	2017	0005060	Direct Assigned	(92,044 85)	0 00	0 00	0 00	0 00	0 00	0 00	(92,044 85)	0 00	0 00
DIST	Advance Metering Information System (AMS)	303	2019	0005060	Direct Assigned	636,849 84	0 00	0 00	0 00	0 00	0 00	0 00	636,849 84	0 00	0 00
DIST	Advance Metering Information System (AMS)	303	2020	0005060	Direct Assigned	3,347,224 22	0 00	0 00	0 00	0 00	0 00	0 00	3,347,224 22	0 00	0 00
DIST	Advance Metering Information System (AMS)	303	2021	0005060	Direct Assigned	15,981,450 82	0 00	0 00	0 00	0 00	0 00	0 00	15,981,450 82	0 00	0 00
DIST	Asset and Work Management Technology	303	2014	0005020	DISTRIBUTION - ALLO	21,448,985 29	10,165,103 11	10,165,103 11	10,165,103 11	10,945,417 19	10,945,417 19	318,046 41	19,518 58	0 00	0 00
DIST	Asset and Work Management Technology	303	2015	0005020	Direct Assigned	1,505,474 56	0 00	0 00	0 00	1,505,474 56	0 00	0 00	0 00	0 00	0 00
DIST	Asset and Work Management Technology	303	2015	0005020	DISTRIBUTION - ALLO	280,708 85	137,772 74	137,772 74	137,772 74	146,348 73	146,348 73	4,322 84	264 55	0 00	0 00
DIST	Asset and Work Management Technology	303	2015	0005020	Direct Assigned	2,002,715 38	0 00	0 00	0 00	0 00	0 00	0 00	0 00	2,002,715 38	0 00
DIST	Asset and Work Management Technology	303	2016	0005020	DISTRIBUTION - ALLO	7,872 43	3,730 90	3,730 90	3,730 90	4,017 30	4,017 30	4,017 30	7 16	0 00	0 00
DIST	Asset and Work Management Technology	303	2016	0005020	Direct Assigned	(2,017 55)	0 00	0 00	0 00	0 00	0 00	0 00	(2,017 55)	0 00	0 00
DIST	Asset and Work Management Technology	303	2019	0005020	Direct Assigned	7,255,355 00	0 00	0 00	0 00	7,255,355 00	0 00	0 00	7,255,355 00	0 00	0 00
DIST	Asset and Work Management Technology	303	2019	0005020	DISTRIBUTION - ALLO	633,605 30	300,230 83	300,230 83	300,230 83	323,277 75	323,277 75	0,420 22	578 49	0 00	0 00
DIST	Asset and Work Management Technology	303	2020	0005020	Direct Assigned	1,056,680 44	0 00	0 00	0 00	1,056,680 44	0 00	0 00	1,056,680 44	0 00	0 00
DIST	Asset and Work Management Technology	303	2020	0005020	DISTRIBUTION - ALLO	512,830 48	242,945 84	242,945 84	242,945 84	261,595 33	261,595 33	7,622 82	466 49	0 00	0 00
DIST	Asset and Work Management Technology	303	2021	0005020	Direct Assigned	3,022,334 05	0 00	0 00	0 00	3,022,334 05	0 00	0 00	3,022,334 05	0 00	0 00
DIST	Asset and Work Management Technology	303	2021	0005020	DISTRIBUTION - ALLO	506,321 84	282,808 75	282,808 75	282,808 75	304,302 03	304,302 03	8,887 39	542 85	0 00	0 00
DIST	Customer Experience Program	303	2012	0005020	Direct Assigned	2,042,581 42	0 00	0 00	0 00	0 00	0 00	0 00	2,042,581 42	0 00	0 00
DIST	Customer Experience Program	303	2013	0005020	Direct Assigned	1,323,395 38	0 00	0 00	0 00	0 00	0 00	0 00	1,323,395 38	0 00	0 00
DIST	Customer Experience Program	303	2014	0005020	Direct Assigned	900,462 14	0 00	0 00	0 00	0 00	0 00	0 00	900,462 14	0 00	0 00
DIST	Customer Experience Program	303	2015	0005020	Direct Assigned	397,638 11	0 00	0 00	0 00	0 00	0 00	0 00	397,638 11	0 00	0 00
DIST	Customer Experience Program	303	2016	0002000	Direct Assigned	725,408 26	0 00	0 00	0 00	0 00	0 00	0 00	725,408 26	0 00	0 00
DIST	Customer Experience Program	303	2016	0005020	Direct Assigned	1,482,578 58	0 00	0 00	0 00	0 00	0 00	0 00	1,482,578 58	0 00	0 00
DIST	Customer Experience Program	303	2017	0005020	Direct Assigned	319,070 09	0 00	0 00	0 00	0 00	0 00	0 00	319,070 09	0 00	0 00
DIST	Customer Experience Program	303	2020	0005020	Direct Assigned	1,084,197 71	0 00	0 00	0 00	0 00	0 00	0 00	1,084,197 71	0 00	0 00
DIST	Customer Experience Program	303	2021	0005020	Direct Assigned	4,819,950 07	0 00	0 00	0 00	0 00	0 00	0 00	4,819,950 07	0 00	0 00
DIST	Customer Information Systems	303	2016	0005020	Direct Assigned	3,082,724 52	0 00	0 00	0 00	0 00	0 00	0 00	3,082,724 52	0 00	0 00
DIST	Customer Information Systems	303	2017	0005020	Direct Assigned	592,553 25	0 00	0 00	0 00	592,553 25	0 00	0 00	592,553 25	0 00	0 00
DIST	Customer Information Systems	303	2017	0005020	DIRECT	213,027,187 49	0 00	0 00	0 00	0 00	0 00	0 00	213,027,187 49	0 00	0 00
DIST	Customer Information Systems	303	2018	0005020	Direct Assigned	45,221,781 37	0 00	0 00	0 00	0 00	0 00	0 00	45,221,781 37	0 00	0 00
DIST	Customer Information Systems	303	2019	0005020	Direct Assigned	2,705,850 71	0 00	0 00	0 00	0 00	0 00	0 00	2,705,850 71	0 00	0 00
DIST	Customer Information Systems	303	2020	0005020	Direct Assigned	8,891,098 59	0 00	0 00	0 00	0 00	0 00	0 00	8,891,098 59	0 00	0 00
DIST	Customer Information Systems	303	2021	0005020	Direct Assigned	1,385,577 59	0 00	0 00	0 00	0 00	0 00	0 00	1,385,577 59	0 00	0 00
DIST	Customer Information Systems	303	2021	0005020	Direct Assigned	3,731,563 92	0 00	0 00	0 00	0 00	0 00	0 00	3,731,563 92	0 00	0 00
DIST	Data Center and Reporting	303	2019	0005020	DISTRIBUTION - ALLO	230,182 16	100,087 93	100,087 93	117,461 96	117,461 96	3,422 81	209 47	0 00	0 00	
DIST	Data Center Infrastructure and Management	303	2011	0005060	DISTRIBUTION - ALLO	601,949 60	285,275 95	285,275 95	307,174 88	307,174 88	8,950 99	547 77	0 00	0 00	
DIST	Data Center Infrastructure and Management	303	2012	0005020	DISTRIBUTION - ALLO	2,541,841 37	1,204,629 46	1,204,629 46	1,297,101 85	1,297,101 85	37,797 18	2,313 08	0 00	0 00	
DIST	Data Center Infrastructure and Management	303	2013	0005020	DISTRIBUTION - ALLO	7,732,423 55	3,684,550 17	3,684,550 17	3,945,855 74	3,945,855 74	114,881 14	7,036 51	0 00	0 00	
DIST	Data Center Infrastructure and Management	303	2014	0005020	DISTRIBUTION - ALLO	261,833 58	124,088 16	124,088 16	133,813 67	133,813 67	3,893 47	238 27	0 00	0 00	
DIST	Data Center Infrastructure and Management	303	2015	0005020	DISTRIBUTION - ALLO	502,432 29	238,112 71	238,112 71	256,391 20	256,391 20	7,471 17	457 21	0 00	0 00	
DIST	Data Center Infrastructure and Management	303	2018	0005020	DISTRIBUTION - ALLO	4,209,481 20	1,094,057 33	1,094,057 33	2,148,098 26	2,148,098 26	62,594 99	3,830 63	0 00	0 00	
DIST	Data Center Infrastructure and Management	303	2017	0005020	DISTRIBUTION - ALLO	18,826,904 10	8,922,448 39	8,922,448 39	9,607,369 18	9,607,369 18	270,956 08	17,132 48	0 00	0 00	
DIST	Data Center Infrastructure and Management	303	2018	0005020	DISTRIBUTION - ALLO	7,342,025 68	3,479,532 82	3,479,532 82	3,746,635 71	3,746,635 71	109,175 92	6,681 24	0 00	0 00	
DIST	Data Center Infrastructure and Management	303	2019	0005020	DISTRIBUTION - ALLO	6,971,445 92	3,303,907 65	3,303,907 65	3,557,528 85	3,557,528 85	103,665 40	6,344 02	0 00	0 00	
DIST	Data Center Infrastructure and Management	303	2020	0005020	DISTRIBUTION - ALLO	6,004,712 88	3,272,281 43	3,272,281 43	3,523,474 88	3,523,474 88	102,673 08	6,285 29	0 00	0 00	
DIST	Data Center Infrastructure and Management	303	2021	0005020	DISTRIBUTION - ALLO	9,444,350 12	4,475,886 41	4,475,886 41	4,819,451 87	4,819,451 87	140,437 49	8,594 38	0 00	0 00	
DIST	Data Center Infrastructure and Management	303	2021	0005020	Direct Assigned	4,353,769 86	0 00	0 00	4,353,769 86	4,353,769 86	0 00	0 00	0 00	0 00	
DIST	Data Warehouse and Reporting	303	2016	0005020	DISTRIBUTION - ALLO	470,666 68	223,072 57	223,072 57	240,199 52	240,199 52	6,699 26	428 33	0 00	0 00	
DIST	Data Warehouse and Reporting	303	2017	0005020	DISTRIBUTION - ALLO	(190,31)	(80 19)	(80 19)	(97 12)	(97 12)	(2,83)	(0 17)	0 00	0 00	
DIST	Data Warehouse and Reporting	303	2017	0005020	Direct Assigned	350,130 58	350,130 58	350,130 58	0 00	0 00	0 00	0 00	0 00	0 00	
DIST	Data Warehouse and Reporting	303	2018	0005020	DISTRIBUTION - ALLO	3,684,434 02	1,736,849 00	1,736,849 00	1,869,061 14	1,869,061 14	54,490 15	3,334 64	0 00	0 00	
DIST	Data Warehouse and Reporting	303	2019	0005020	DISTRIBUTION - ALLO	2,223,700 81	1,053,003 21	1,053,003 21	1,134,805 04	1,134,805 04	33,067 90	2,023 66	0 00	0 00	
DIST	Data Warehouse and Reporting	303	2020	0005020	DISTRIBUTION - ALLO	4,309,809 33	2,042,503 42	2,042,503 42	2,169,204 1						

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**INVESTMENT IN ACCOUNT 303-INTANGIBLE PLANT BY BUSINESS SYSTEM**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR W A LEDBETTER

Unit	System	FERC Account	Vintage	Location	Allocation Methodology	Allocation to Texas	TRAN	NTU TRAN	DC TIE	Consol TRAN	DIST	NTU DIST	Consol DIST	MET	TDCS
DIST	Distribution Engineering and Design Systems	303	2021	0005020	DISTRIBUTION - ALLO	1,253,081.43	593,850.87			593,850.87	639,437.25		839,437.25	18,633.02	1,140.29
DIST	Distribution SCADA and Support	303	2009	0005080	Direct Assigned	5,177,795.00	0.00			0.00	5,177,795.00		5,177,795.00	0.00	0.00
DIST	Distribution SCADA and Support	303	2010	0005080	Direct Assigned	38,508,028.51	0.00			0.00	38,508,028.51		38,508,028.51	0.00	0.00
DIST	Distribution SCADA and Support	303	2011	0005080	Direct Assigned	29,384.90	0.00			0.00	29,384.90		29,384.90	0.00	0.00
DIST	Distribution SCADA and Support	303	2013	0005080	Direct Assigned	10,684,939.05	0.00			0.00	10,684,939.05		10,684,939.05	0.00	0.00
DIST	Distribution SCADA and Support	303	2014	0005020	Direct Assigned	958,522.34	0.00			0.00	958,522.34		958,522.34	0.00	0.00
DIST	Distribution SCADA and Support	303	2015	0002010	Direct Assigned	994,824.82	0.00			0.00	994,824.82		994,824.82	0.00	0.00
DIST	Distribution SCADA and Support	303	2016	0002010	Direct Assigned	4,167,988.62	0.00			0.00	4,167,988.62		4,167,988.62	0.00	0.00
DIST	Distribution SCADA and Support	303	2017	0002010	Direct Assigned	(986.37)	0.00			0.00	(986.37)		(986.37)	0.00	0.00
DIST	Distribution SCADA and Support	303	2017	0005020	Direct Assigned	1,708,674.84	0.00			0.00	1,708,674.84		1,708,674.84	0.00	0.00
DIST	Distribution SCADA and Support	303	2018	0005020	Direct Assigned	891,880.26	0.00			0.00	891,880.26		891,880.26	0.00	0.00
DIST	Distribution SCADA and Support	303	2019	0005020	Direct Assigned	8,695,423.58	0.00			0.00	8,695,423.58		8,695,423.58	0.00	0.00
DIST	Distribution SCADA and Support	303	2020	0005020	Direct Assigned	1,083,167.77	0.00			0.00	1,083,167.77		1,083,167.77	0.00	0.00
DIST	Distribution SCADA and Support	303	2021	0005020	Direct Assigned	190,737.68	0.00			0.00	190,737.68		190,737.68	0.00	0.00
DIST	Email	303	2013	0005020	DISTRIBUTION - ALLO	1,405,239.31	685,989.59			685,989.59	717,092.09		717,092.09	20,895.88	1,278.77
DIST	Email	303	2014	0005020	DISTRIBUTION - ALLO	48,316.61	22,898.21			22,898.21	24,655.97		24,655.97	718.47	43.97
DIST	Email	303	2015	0005020	DISTRIBUTION - ALLO	(2,912.92)	(1,380.49)			(1,380.49)	(1,498.46)		(1,498.46)	(43.32)	(2.65)
DIST	Email	303	2018	0005020	DISTRIBUTION - ALLO	528,228.92	250,385.84			250,385.84	269,608.25		269,608.25	7,858.25	490.78
DIST	Email	303	2020	0005020	DISTRIBUTION - ALLO	898,884.07	425,051.30			425,051.30	457,679.94		457,679.94	13,358.87	816.16
DIST	Enterprise Service Bus	303	2011	0005020	Direct Assigned	1,704,177.46	0.00			0.00	0.00		0.00	0.00	1,704,177.46
DIST	Enterprise Service Bus	303	2014	0005020	Direct Assigned	7,604,930.67	0.00			0.00	0.00		0.00	0.00	7,604,930.67
DIST	Enterprise Service Bus	303	2016	0005020	Direct Assigned	410,138.38	0.00			0.00	0.00		0.00	0.00	410,138.38
DIST	Enterprise Service Bus	303	2018	0005020	DISTRIBUTION - ALLO	2,041,030.93	967,285.38			987,285.38	1,041,538.08		1,041,538.08	30,350.13	1,857.34
DIST	Enterprise Service Bus	303	2019	0005020	Direct Assigned	916,891.60	0.00			0.00	0.00		0.00	0.00	916,891.60
DIST	Enterprise Service Bus	303	2020	0005020	Direct Assigned	(247.24)	0.00			0.00	0.00		0.00	0.00	(247.24)
DIST	Enterprise Service Bus	303	2017	0005020	DISTRIBUTION - ALLO	(3,009.77)	(1,852.92)			(1,852.92)	(1,005.18)		(1,005.18)	(58.14)	(35.58)
DIST	Enterprise Service Bus	303	2020	0005020	DISTRIBUTION - ALLO	881,968.03	417,984.29			417,984.29	450,088.29		450,088.29	13,114.86	802.59
DIST	Environmental Systems	303	2007	0005080	Direct Assigned	702,593.03	0.00			702,593.03	729,593.03		729,593.03	0.00	0.00
DIST	Environmental Systems	303	2011	0002010	Direct Assigned	68,646.33	0.00			0.00	68,646.33		68,646.33	0.00	0.00
DIST	Financial and Accounting Systems	303	2013	0005020	DISTRIBUTION - ALLO	421,321.24	199,672.56			199,672.56	215,000.23		215,000.23	8,285.05	384.40
DIST	Financial and Accounting Systems	303	2014	0005020	DISTRIBUTION - ALLO	9,319,367.76	4,416,834.77			4,416,834.77	4,755,673.37		4,755,673.37	186,576.00	8,499.02
DIST	Financial and Accounting Systems	303	2015	0005020	DISTRIBUTION - ALLO	337,294.07	150,850.83			150,850.83	172,121.62		172,121.62	50.15	30.04
DIST	Financial and Accounting Systems	303	2016	0005020	DISTRIBUTION - ALLO	94,283.95	44,683.05			44,683.05	48,118.10		48,118.10	1,400.00	85.60
DIST	Financial and Accounting Systems	303	2021	0005020	DISTRIBUTION - ALLO	9,072,398.84	4,209,588.52			4,209,588.52	4,829,840.03		4,829,840.03	134,906.42	8,252.67
DIST	Integrated Operations Center	303	2013	0005020	DISTRIBUTION - ALLO	462,452.76	219,165.61			219,165.61	235,989.64		235,989.64	6,876.67	420.83
DIST	Integrated Operations Center	303	2014	0005020	DISTRIBUTION - ALLO	244,303.30	115,780.22			115,780.22	124,667.07		124,667.07	3,632.79	222.32
DIST	Integrated Operations Center	303	2015	0005020	DISTRIBUTION - ALLO	(206.13)	(77.69)			(77.69)	(105.19)		(105.19)	(3.07)	(0.19)
DIST	Mobile Applications	303	2016	0005020	Direct Assigned	665,091.84	665,091.84			665,091.84	0.00		0.00	0.00	0.00
DIST	Mobile Applications	303	2017	0005020	Direct Assigned	658,452.14	311,105.80			311,105.80	334,987.53		334,987.53	9,761.44	507.37
DIST	Mobile Applications	303	2018	0005020	DISTRIBUTION - ALLO	1,466,848.97	0.00			0.00	1,466,848.97		1,466,848.97	0.00	0.00
DIST	Mobile Applications	303	2019	0005020	DISTRIBUTION - ALLO	175,943.58	644,975.73			644,975.73	694,488.85		694,488.85	20,237.15	1,234.45
DIST	Mobile Applications	303	2020	0005020	DISTRIBUTION - ALLO	728,698.61	0.00			0.00	728,698.61		728,698.61	0.00	0.00
DIST	Mobile Applications	303	2018	0005020	Direct Assigned	175,943.58	0.00			0.00	175,943.58		175,943.58	0.00	0.00
DIST	Mobile Applications	303	2019	0005020	DISTRIBUTION - ALLO	2,803,939.06	1,328,842.80			1,328,842.80	1,430,850.10		1,430,850.10	41,694.57	2,551.58
DIST	Mobile Applications	303	2019	0005020	Direct Assigned	3,028,593.01	0.00			0.00	0.00		0.00	0.00	3,029,593.01
DIST	Mobile Applications	303	2019	0005020	Direct Assigned	295,155.43	295,155.43			295,155.43	0.00		0.00	0.00	0.00
DIST	Mobile Applications	303	2020	0005020	DISTRIBUTION - ALLO	4,309,188.71	2,042,210.71			2,042,210.71	2,198,979.00		2,198,979.00	84,077.64	3,021.36
DIST	Mobile Applications	303	2020	0005020	Direct Assigned	1,573,942.80	0.00			0.00	0.00		0.00	0.00	1,573,942.80
DIST	Mobile Applications	303	2021	0005020	DISTRIBUTION - ALLO	8,282,828.68	3,925,397.22			3,925,397.22	4,228,728.45		4,228,728.45	123,165.63	7,537.37
DIST	Mobile Applications	303	2021	0005020	Direct Assigned	7,412.60	0.00			0.00	0.00		0.00	0.00	7,412.60
DIST	Sharepoint and Web Applications	303	2013	0005020	DISTRIBUTION - ALLO	858,037.93	408,641.34			408,641.34	437,858.76		437,858.76	12,759.02	709.81
DIST	Sharepoint and Web Applications	303	2014	0005020	DISTRIBUTION - ALLO	(1,564.45)	(741.42)			(741.42)	(708.34)		(708.34)	(23.28)	(1.42)
DIST	Sharepoint and Web Applications	303	2015	0005020	Direct Assigned	73,384.21	0.00			0.00	0.00		0.00	0.00	73,384.21
DIST	Sharepoint and Web Applications	303	2018	0005020	DISTRIBUTION - ALLO	950,482.76	450,452.79			450,452.79	485,031.35		485,031.35	14,133.68	864.64
DIST	Sharepoint and Web Applications	303	2019	0005020	Direct Assigned	1,735,583.36	0.00			0.00	0.00		0.00	0.00	1,735,583.36
DIST	Sharepoint and Web Applications	303	2020	0005020	Direct Assigned	1,021.20	0.00			0.00	0.00		0.00	0.00	1,021.20
DIST	Sharepoint and Web Applications	303	2021	0005020	Direct Assigned	169,028.95	0.00			0.00	0.00		0.00	0.00	169,028.95
DIST	Technology Security Management	303	2011	0005020	DISTRIBUTION - ALLO	869,417.86	420,252.11			420,252.11	456,672.93		456,672.93	13,374.34	818.47
DIST	Technology Security Management	303	2013	0005020	Direct Assigned	1,015,859.12	0.00			0.00	0.00		0.00	0.00	1,015,859.12
DIST	Technology Security Management	303	2013	0005020	DISTRIBUTION - ALLO	5,664,194.41	2,698,692.81			2,698,692.81	2,905,747.41		2,905,747.41	84,672.07	5,181.72
DIST	Technology Security Management	303	2014	0005020	Direct Assigned	(92,994.75)	0.00			0.00	0.00		0.00	0.00	(92,994.75)
DIST	Technology Security Management	303	2014	0005020	DISTRIBUTION - ALLO	745,979.03	353,534.38			353,534.38	380,873.10		380,873.10	11,092.71	678.84
DIST	Technology Security Management	303	2015	0005020	Direct Assigned	(1,339.82)	0.00			0.00	0.00		0.00	0.00	(1,339.82)
DIST	Technology Security Management	303	2015	0005020	DISTRIBUTION - ALLO	5,638,104.67	2,671,082.73			2,671,082.73	2,876,104.21		2,876,104.21	83,808.88	5,128.86
DIST	Technology Security Management	303	2015	0005020	Direct Assigned	44,035.04	44,035.04			44,035.04	0.00		0.00	0.00	0.00
DIST	Technology Security Management	303	2016	0005020	DISTRIBUTION - ALLO	6,104,228.73	2,892,915.13			2,892,915.13	3,114,986.90		3,114,986.90	90,769.85	5,554.85
DIST	Technology Security Management	303	2017	0005020	DISTRIBUTION - ALLO	1,849,898.35	876,703.83			876,703.83	944,003.13		944,003.13	27,507.09	1,083.41

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
INVESTMENT IN ACCOUNT 303-INTANGIBLE PLANT BY BUSINESS SYSTEM  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Unit	System	FERC Account	Vintage	Location	Allocation Methodology	Allocation to Texas	TRAN	NTU TRAN	DC TIE	Consol TRAN	DIST	NTU DIST	Consol DIST	MET	TDCS
DIST	Technology Security Management	303	2018	0005020	DISTRIBUTION - ALLO	2,444,387.90	1,158,444.31			1,158,444.31	1,247,371.15		36,348.05	2,224.39	
DIST	Technology Security Management	303	2019	0005020	DISTRIBUTION - ALLO	4,773,619.67	2,262,313.83			2,262,313.83	2,435,078.12		70,083.72	4,343.09	
DIST	Technology Security Management	303	2020	0005020	DISTRIBUTION - ALLO	2,343,670.61	1,110,712.38			1,110,712.38	1,195,075.11		34,850.38	2,132.74	
DIST	Technology Security Management	303	2021	0005020	DISTRIBUTION - ALLO	5,890,710.31	2,791,725.43			2,791,725.43	3,008,029.47		87,504.88	5,380.55	
DIST	Technology Tools and Support	303	2015	0005020	DISTRIBUTION - ALLO	589,357.78	276,308.44			276,308.44	300,749.28		300,749.28	8,763.75	536.32
DIST	Technology Tools and Support	303	2016	0005020	DISTRIBUTION - ALLO	1,708,195.77	808,800.30			808,800.30	870,671.70		870,671.70	25,371.13	1,552.64
DIST	Technology Tools and Support	303	2017	0005020	DISTRIBUTION - ALLO	483,308.80	229,049.71			229,049.71	246,632.48		246,632.48	7,188.80	439.81
DIST	Technology Tools and Support	303	2018	0005020	DISTRIBUTION - ALLO	780,035.22	386,874.29			386,874.29	398,051.97		398,051.97	11,590.12	709.83
DIST	Technology Tools and Support	303	2019	0005020	Direct Assigned	1,231,074.33	0.00			0.00	1,231,074.33		1,231,074.33	0.00	0.00
DIST	Technology Tools and Support	303	2019	0005020	DISTRIBUTION - ALLO	1,649,043.16	781,514.53			781,514.53	841,509.72		841,509.72	24,521.27	1,500.63
DIST	Technology Tools and Support	303	2020	0005020	Direct Assigned	238,100.23	0.00			0.00	238,100.23		238,100.23	0.00	0.00
DIST	Technology Tools and Support	303	2020	0005020	DISTRIBUTION - ALLO	12,008,181.72	6,117,445.48			6,117,445.48	6,587,045.13		6,587,045.13	161,944.65	11,749.45
DIST	Technology Tools and Support	303	2021	0005020	Direct Assigned	598,324.76	0.00			0.00	598,324.76		598,324.76	0.00	0.00
DIST	Technology Tools and Support	303	2021	0005020	DISTRIBUTION - ALLO	16,585,295.59	8,798,404.89			8,798,404.89	9,473,870.34		9,473,870.34	276,065.65	16,894.42
DIST	Technology Tools and Support	303	2021	0005020	Direct Assigned	287,050.61	0.00			0.00	287,050.61		287,050.61	0.00	0.00
DIST	Telecommunication/Core Network Systems	303	2008	0005000	DISTRIBUTION - ALLO	1,314,074.55	623,050.56			623,050.56	670,878.42		670,878.42	19,540.21	1,198.35
DIST	Telecommunication/Core Network Systems	303	2009	0005000	DISTRIBUTION - ALLO	4,326,036.66	2,050,621.82			2,050,621.82	2,208,035.78		2,208,035.78	64,341.55	3,937.51
DIST	Telecommunication/Core Network Systems	303	2016	0003055	Direct Assigned	4,818.10	0.00			0.00	4,818.10		4,818.10	0.00	0.00
DIST	Telecommunication/Core Network Systems	303	2017	0005020	SPECTRUM	15,900,000.00	6,791,049.00			6,791,049.00	8,773,143.00		8,773,143.00	335,808.00	0.00
DIST	Telecommunication/Core Network Systems	303	2020	0005020	DISTRIBUTION - ALLO	480,879.40	227,898.37			227,898.37	245,392.76		245,392.76	7,150.68	437.60
DIST	Transmission Engineering and Design	303	2020	0005020	Direct Assigned	1,568,452.05	1,568,452.05			1,568,452.05	0.00		0.00	0.00	0.00
DIST	Transmission Engineering and Design	303	2021	0005020	Direct Assigned	484,026.49	484,026.49			484,026.49	0.00		0.00	0.00	0.00
DIST	Transmission SCADA and Support Systems	303	2019	0005020	Direct Assigned	1,304,040.53	1,304,040.53			1,304,040.53	0.00		0.00	0.00	0.00
TRAN	Asset and Work Management Technology	303	2011	0020000	Direct Assigned	1,280,510.89	0.00			0.00	0.00		0.00	1,280,510.89	0.00
TRAN	Asset and Work Management Technology	303	2012	0020000	Direct Assigned	3,872,109.03	3,872,109.03			3,872,109.03	0.00		0.00	0.00	0.00
TRAN	Asset and Work Management Technology	303	2013	0005020	Direct Assigned	8,050,822.88	8,050,822.88			8,050,822.88	0.00		0.00	0.00	0.00
TRAN	Asset and Work Management Technology	303	2014	0005020	Direct Assigned	32,537.21	32,537.21			32,537.21	0.00		0.00	0.00	0.00
TRAN	Asset and Work Management Technology	303	2016	0005020	DISTRIBUTION - ALLO	2,988,032.39	1,406,009.91			1,406,009.91	1,514,586.93		1,514,586.93	44,194.64	2,700.91
TRAN	Asset and Work Management Technology	303	2017	0005020	DISTRIBUTION - ALLO	4,837.00	2,197.57			2,197.57	2,396.26		2,396.26	68.95	4.22
TRAN	Asset and Work Management Technology	303	2018	0020000	Direct Assigned	4,666,081.73	4,666,081.73			4,666,081.73	0.00		0.00	0.00	0.00
TRAN	Asset and Work Management Technology	303	2019	0020000	Direct Assigned	25,717.85	25,717.85			25,717.85	0.00		0.00	0.00	0.00
TRAN	Asset and Work Management Technology	303	2021	0005020	Direct Assigned	312,784.98	312,784.98			312,784.98	0.00		0.00	0.00	0.00
TRAN	Content Management	303	2007	0020000	Direct Assigned	380,424.87	380,424.87			380,424.87	0.00		0.00	0.00	0.00
TRAN	Content Management	303	2008	0020000	Direct Assigned	117,463.53	117,463.53			117,463.53	0.00		0.00	0.00	0.00
TRAN	Content Management	303	2009	0020000	Direct Assigned	23,572.50	23,572.50			23,572.50	0.00		0.00	0.00	0.00
TRAN	Data Center and Reporting	303	2010	0020000	Direct Assigned	408,674.69	408,674.69			408,674.69	0.00		0.00	0.00	0.00
TRAN	Data Center and Reporting	303	2017	0020000	Direct Assigned	758,018.10	758,018.10			758,018.10	0.00		0.00	0.00	0.00
TRAN	Data Warehouse and Reporting	303	2018	0020000	Direct Assigned	19,835.68	19,835.68			19,835.68	0.00		0.00	0.00	0.00
TRAN	Data Warehouse and Reporting	303	2019	004932	Direct Assigned	3,125,458.53	3,125,458.53			3,125,458.53	0.00		0.00	0.00	0.00
TRAN	Distribution SCADA and Support	303	2017	0005020	Direct Assigned	63,150.28	0.00			0.00	63,150.28		63,150.28	0.00	0.00
TRAN	Mobile Applications	303	2019	0005000	Direct Assigned	587,301.84	587,301.84			587,301.84	0.00		0.00	0.00	0.00
TRAN	Mobile Applications	303	2020	0005000	Direct Assigned	249.01	249.01			249.01	0.00		0.00	0.00	0.00
TRAN	Substation Physical Security	303	2012	0005000	Direct Assigned	572,889.04	572,889.04			572,889.04	0.00		0.00	0.00	0.00
TRAN	Substation Physical Security	303	2013	0005000	Direct Assigned	121,873.82	121,873.82			121,873.82	0.00		0.00	0.00	0.00
TRAN	Technology Security Management	303	2015	0005020	Direct Assigned	263,762.13	263,762.13			263,762.13	0.00		0.00	0.00	0.00
TRAN	Technology Security Management	303	2016	0004932	DISTRIBUTION - ALLO	345,011.78	163,034.51			163,034.51	176,518.78		176,518.78	5,143.71	314.78
TRAN	Technology Security Management	303	2016	0005020	DISTRIBUTION - ALLO	124,650.50	59,074.38			59,074.38	63,800.15		63,800.15	1,853.55	113.43
TRAN	Technology Security Management	303	2016	0005020	Direct Assigned	1,437,561.34	1,437,561.34			1,437,561.34	0.00		0.00	0.00	0.00
TRAN	Technology Security Management	303	2017	0005020	Direct Assigned	44,815.62	44,815.62			44,815.62	0.00		0.00	0.00	0.00
TRAN	Technology Security Management	303	2018	0005020	Direct Assigned	1,655,561.98	1,655,561.98			1,655,561.98	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2013	0002000	Direct Assigned	100,591.03	100,591.03			100,591.03	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2014	0004932	Direct Assigned	840,279.58	840,279.58			840,279.58	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2015	0002000	Direct Assigned	8,438,980.68	8,438,980.68			8,438,980.68	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2015	0004932	Direct Assigned	(30,542.43)	(30,542.43)			(30,542.43)	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2016	0002000	Direct Assigned	(12,538.43)	(12,538.43)			(12,538.43)	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2016	0005020	Direct Assigned	135,589.25	135,589.25			135,589.25	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2017	0002000	Direct Assigned	840,801.42	840,801.42			840,801.42	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2017	0005020	Direct Assigned	524,218.42	524,218.42			524,218.42	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2018	0002000	Direct Assigned	10,210,832.58	10,210,832.58			10,210,832.58	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2019	0002000	Direct Assigned	10,586,169.40	10,586,169.40			10,586,169.40	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2019	0005020	Direct Assigned	146,770.10	146,770.10			146,770.10	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2020	0002000	Direct Assigned	(6,765.00)	(6,765.00)			(6,765.00)	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2020	0004932	Direct Assigned	28,423,991.92	28,423,991.92			28,423,991.92	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2020	0005020	Direct Assigned	7,169,004.72	7,169,004.72			7,169,004.72	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2021	0004932	Direct Assigned	(341,380.63)	(341,380.63)			(341,380.63)	0.00		0.00	0.00	0.00
TRAN	Transmission Engineering and Design	303	2021	0005020	Direct Assigned	11,477,483.78	11,477,483.78			11,477,483.78	0.00		0.00	0.00	0.00

**2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
INVESTMENT IN ACCOUNT 303-INTANGIBLE PLANT BY BUSINESS SYSTEM  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: W. A. LEDBETTER

**2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
TCOS ALLOCATION METHODOLOGY  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Following are the transmission and distribution accounts applicable to TCOS and their method of allocation.

<b>Account</b>	<b>Account Title</b>	<b>Method of Allocation</b>
349	Transmission Land Owned in Fee	100% TCOS
350	Transmission Land Rights	100% TCOS
352	Transmission Structures & Improvements	100% TCOS
353	Transmission Station Equipment	See Note A
354	Transmission Towers & Fixtures	100% TCOS
355	Transmission Poles & Fixtures	100% TCOS
356	Transmission Overhead Conductors & Devices	100% TCOS
357	Transmission Underground Conduit	100% TCOS
358	Transmission Underground Conductors & Devices	100% TCOS
360	Distribution Land Rights	See Note D
361	Distribution Structures & Improvements	See Note B
362	Distribution Station Equipment	See Note C
374	Distribution Land Owned in Fee	See Note D

**Note A:**

1. The classification of new property units created was determined TCOS, DIST or Common.
2. Microsoft Excel was used to calculate the allocation percentages for TCOS versus DIST for account 353 for each substation location using the investment in property units.  $TCOS\% = TCOS / (TCOS+DIST)$  and  $DIST\% = DIST / (TCOS+DIST)$ . Each substation location had its own allocation percentages calculated based on the TCOS and DIST property units booked at that substation site.
3. These allocation percentages were used to allocate the investment in common property units between TCOS and DIST for each substation location.

**Note B:**

1. The investment in account 361 has been classified 100% Common and will be allocated at each substation location based on the TCOS and DIST percentages derived using property units from account 362. The method of calculating the percentages is discussed in Note C.

**2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
TCOS ALLOCATION METHODOLOGY  
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**Note C:**

1. The classification of new property units created was determined TCOS, DIST or Common.
2. Transmission Engineering identified the distribution capacitor banks that met the 0.95 power factor test within account 362. The investment in distribution capacitor banks for the identified distribution substation sites was allocated 100% to TCOS. The investment was moved before the percentages were developed to allocate common property.
3. Microsoft Excel was used to calculate the allocation percentages for TCOS versus DIST for account 362 for each substation location using the investment in property units.  $TCOS\% = TCOS / (TCOS+DIST)$  and  $DIST\% = DIST / (TCOS+DIST)$ . Each substation location had its own allocation percentages calculated based on the TCOS and DIST property units booked at that substation site.
4. These allocation percentages were used to allocate the investment in Common property units between TCOS and DIST for each substation location.

**Note D:**

1. The investment in accounts 360 & 374 have been classified 100% Common and will be allocated at each substation location based on the TCOS and DIST percentages derived using property units from account 362. The method of calculating the percentages was discussed in Note C.

**Other:**

If there is only Common investment at a substation location, use the TCOS% based on the total plant account breakdown between TCOS and DIST.

Classify AMI and AMS investment as MET. Do not use the investment in determining percentages for TCOS.

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS PROPERTY UNIT DESIGNATIONS**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: W. A. LEDBETTER

FERC Account	Property Unit	Key	Property Unit Description	Designation
353	0010	3530010	AIR COMPRESSOR	Common
353	0020	3530020	GENERATOR SET	Common
353	0030	3530030	BATTERY CHARGING SET	Common
353	0040	3530040	BUS ASSEMBLY - RETIREMENT OF OLD EQUIPMENT ONLY	TCOS
353	0050	3530050	CONDUIT OR DUCT SYSTEM	Common
353	0055	3530055	REMOTE METERING RECEIVING EQUIPMENT	TCOS
353	0060	3530060	CAPACITOR BANK STATION	TCOS
353	0070	3530070	CRANE OR HOIST	Common
353	0075	3530075	FAULT MONITOR DATA COLLECTION SYSTEM	TCOS
353	0080	3530080	FIRE PROTECTION SYSTEM	Common
353	0090	3530090	FUSE EQUIPMENT - STATION EQUIP.	DIST
353	0100	3530100	YARD LIGHTING SYSTEM	Common
353	013A	353013A	POWER CIRCUIT BREAKER, 1200 AMPERE, 15KV	DIST
353	013B	353013B	POWER CIRCUIT BREAKER, 2000 AMPERE, 15KV	DIST
353	0150	3530150	Security System	Common
353	0151	3530151	SECURITY SYSTEM - SHIELD SENSOR STATION	Common
353	0152	3530152	SECURITY SYSTEM - RADAR SENSOR	Common
353	0153	3530153	SECURITY SYSTEM - SURVEILLANCE CAMERA	Common
353	0154	3530154	SECURITY SYSTEM - SERVER	Common
353	0160	3530160	STORAGE BATTERY	Common
353	0170	3530170	STRUCTURES	TCOS
353	0200	3530200	STATION METERING	TCOS
353	0210	3530210	TRANSFORMER - AUXILIARY AND STATION SERVICE	Common
353	0220	3530220	MOBILE SUBSTATION	TCOS
353	0250	3530250	FENCES, PROTECTIVE	Common
353	0260	3530260	BUILDING, ELECTRICAL EQUIPMENT	Common
353	026A	353026A	CONTROL CENTER AND ELECTRICAL EQUIP.	Common
353	026B	353026B	CONTROL CENTER FOUNDATION	Common
353	0270	3530270	HEATING - VENTILATING - AIR CONDITIONING SYSTEM	Common
353	0280	3530280	SUPERVISORY CONTROL EQUIPMENT	Common
353	028C	353028C	SUPERVISORY CONTROL EQUIPMENT - CPU	Common
353	028M	353028M	SUPERVISORY CONTROL EQUIPMENT - MAIN LOGIC BOARD	Common
353	0300	3530300	CAT MASTER	TCOS
353	030A	353030A	COOLING SYSTEM	TCOS
353	030B	353030B	COOLING SYSTEM - HEAT EXCHANGER	TCOS
353	030C	353030C	COOLING SYSTEM - DEIONIZATION VESSEL	TCOS
353	030D	353030D	COOLING SYSTEM - MOTOR PUMP	TCOS
353	0400	3530400	MICROWAVE ETHERNET TRANSCIEVER	TCOS
353	0500	3530500	HARDENED NETWORK ROUTER	Common
353	0600	3530600	Station Communication Equipment	Common
353	1040	3531040	BUSS ASSEMBLY - 0 - 60KV	DIST
353	106A	353106A	CAPACITOR UNIT 0-60KV	TCOS
353	106B	353106B	CAPACITOR RACK & COMPONENTS 0-60KV	TCOS
353	1090	3531090	FUSE EQUIPMENT 0-60 KV	DIST
353	1110	3531110	LIGHTNING ARRESTOR 0-69 KV	DIST
353	1120	3531120	MANHOLE 0-60 KV	DIST
353	1130	3531130	POWER CIRCUIT BREAKER 0-60 KV	DIST
353	1135	3531135	BUSHING, 0-60KV CIRCUIT BREAKER	DIST
353	113A	353113A	POWER CIRCUIT BREAKER, 1200 AMPERE, 25KV	DIST
353	113B	353113B	POWER CIRCUIT BREAKER, 2000 AMPERE, 25KV	DIST
353	1140	3531140	RELAY SWITCHBOARD 0-60 KV	DIST
353	1141	3531141	RELAYS, 0-69KV	DIST
353	1142	3531142	METERING, 0-69KV	DIST
353	114A	353114A	SWITCHBOARD PANEL, STATION METERING, 0-60KV	DIST
353	114B	353114B	SWITCHBOARD PANEL, BUS DIFFERENTIAL, 0-60KV	DIST
353	114C	353114C	SWITCHBOARD PANEL, 2 FEEDER, 0-60KV	DIST
353	114D	353114D	SWITCHBOARD PANEL, 1 FEEDER, 0-60KV	DIST

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS PROPERTY UNIT DESIGNATIONS**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

FERC Account	Property Unit	Key	Property Unit Description	Designation
353	114E	353114E	SWITCHBOARD PANEL, FEEDER BYPASS-BUS TIE, 0-60KV	DIST
353	114F	353114F	SWITCHBOARD PANEL, CAPACITOR CONTROLS, 0-60KV	DIST
353	114G	353114G	SWITCHBOARD PANEL, CUSTOMER METERING, 0-60KV	DIST
353	114H	353114H	SWITCHBOARD PANEL, CONTROL CABLE, 0-60KV	DIST
353	114J	353114J	SWITCHBOARD PANEL, FACTS CONTROL 0-60 KV	TCOS
353	114K	353114K	SWITCHBOARD PANEL, THYRISTOR VCU 0-60 KV	TCOS
353	114L	353114L	SWITCHBOARD PANEL, FACTS PROTECTION 0-60 KV	TCOS
353	114N	353114N	FACTs Control System Computer	DIST
353	114S	353114S	RELAY SWITCHBOARD 0-60 KV - SVC	TCOS
353	1150	3531150	REACTOR OR RESISTOR 0-60 KV (OBSOLETE JUN 2009)	DIST
353	115A	353115A	REACTOR 0-60 KV	TCOS
353	115B	353115B	SHUNT REACTOR 0-60 KV	TCOS
353	115C	353115C	RESISTOR 0-60 KV	TCOS
353	117A	353117A	STRUCTURES, 0-60KV	DIST
353	117B	353117B	FOUNDATIONS, 0-60KV	DIST
353	1180	3531180	SWITCH 0-60 KV	DIST
353	1185	3531185	CIRCUIT INTERRUPTER 0-60 KV	DIST
353	118A	353118A	SWITCH, AIRBREAK, 0-60KV	DIST
353	118B	353118B	SWITCH, GROUNDING, 0-60KV	DIST
353	118C	353118C	SWITCH, DISCONNECT, 0-60KV	DIST
353	118D	353118D	MOTOR OPERATORS, 0-60KV	DIST
353	118E	353118E	SWITCH, VAC INTERRUPTER, 0-60KV	DIST
353	118F	353118F	LIVE PARTS, 0-60KV SWITCH	DIST
353	1190	3531190	SWITCHGEAR, METAL ENCLOSED 0-60 KV	DIST
353	1195	3531195	BUSHING, 0-60KV METALCLAD SWITCHGEAR	DIST
353	119S	353119S	SWITCHGEAR METAL ENCLOSED 0-60 KV - SVC	TCOS
353	1210	3531210	TRANSFORMER, POWER 0-60 KV	DIST
353	1213	3531213	BUSHING, 0-60KV TRANSFORMER	DIST
353	1215	3531215	TRANSFORMER, AUTO 0-60 KV	DIST
353	121A	353121A	CONTACTS, LOAD TAP CHANGER, POWER TRANSFORMER	DIST
353	121B	353121B	BARRIER BOARD, LOAD TAP CHANGER,POWER TRANSFORMER	DIST
353	121C	353121C	ENCLOSURE, LOAD TAP CHANGER, POWER TRANSFORMER	DIST
353	1220	3531220	MOBILE SUBSTATION 0-60 KV	DIST
353	1230	3531230	VOLTAGE REGULATOR	DIST
353	1235	3531235	BUSHING, 0-60KV REGULATOR	DIST
353	1245	3531245	TELEMETERING EQUIPMENT 0-60 KV	DIST
353	1290	3531290	TRANSFORMER, INSTRUMENT 0-60 KV	DIST
353	130A	353130A	THYRISTOR VALVE MOUNTING 0-60 KV	TCOS
353	130B	353130B	THYRISTOR CONTROL UNIT 0-60 KV	TCOS
353	130C	353130C	THYRISTOR UNIT 0 - 60 KV	TCOS
353	1S10	3531S10	LIGHTNING ARRESTOR 0-69 KV - SVC	TCOS
353	1S13	3531S13	BUSHING, 0-60KV TRANSFORMER - SVC	TCOS
353	1S30	3531S30	POWER CIRCUIT BREAKER 0-60 KV - SVC	TCOS
353	1S40	3531S40	BUSS ASSEMBLY - 0 - 60KV - SVC	TCOS
353	1S41	3531S41	RELAYS 0-69KV - SVC	TCOS
353	1S4H	3531S4H	SWITCHBOARD PANEL CONTROL CABLE 0-60KV - SVC	TCOS
353	1S6A	3531S6A	CAPACITOR UNIT 0-60KV - SVC	TCOS
353	1S7A	3531S7A	STRUCTURES, 0-60KV - SVC	TCOS
353	1S7B	3531S7B	FOUNDATIONS, 0-60KV - SVC	TCOS
353	1S8A	3531S8A	SWITCH, AIRBREAK, 0-60KV - SVC	TCOS
353	1S8B	3531S8B	SWITCH, GROUNDING, 0-60KV - SVC	TCOS
353	1S8D	3531S8D	MOTOR OPERATORS, 0-60KV - SVC	TCOS
353	1S90	3531S90	TRANSFORMER, INSTRUMENT 0-60 KV - SVC	TCOS
353	2040	3532040	BUSS ASSEMBLY - 69KV	TCOS
353	2060	3532060	CAPACITOR BANK 69KV	TCOS
353	206A	353206A	CAPACITOR UNIT 69KV	TCOS
353	206B	353206B	CAPACITOR RACK & COMPONENTS 69KV	TCOS

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS PROPERTY UNIT DESIGNATIONS**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

FERC Account	Property Unit	Key	Property Unit Description	Designation
353	2090	3532090	FUSE EQUIPMENT 69 KV	TCOS
353	2110	3532110	LIGHTNING ARRESTOR 69 KV	TCOS
353	2120	3532120	MANHOLE 69 KV	TCOS
353	2130	3532130	POWER CIRCUIT BREAKER 69 KV	TCOS
353	2135	3532135	BUSHING, 69KV CIRCUIT BREAKER	TCOS
353	213A	353213A	POWER CIRCUIT BREAKER, 1200 AMPERE, 69KV	TCOS
353	213B	353213B	POWER CIRCUIT BREAKER, 2000 AMPERE, 69KV	TCOS
353	2140	3532140	SWITCHBOARD 69KV	TCOS
353	2141	3532141	RELAYS, 69KV	TCOS
353	2142	3532142	METERING, 69KV	TCOS
353	214A	353214A	SWITCHBOARD PANEL, STATION, 69KV	TCOS
353	214B	353214B	SWITCHBOARD PANEL, TRANSF. DIFFERENTIAL, 69KV	TCOS
353	214C	353214C	SWITCHBOARD PANEL, AUTOTRANS. DIFFERENTIAL, 69KV	TCOS
353	214D	353214D	SWITCHBOARD PANEL, AUTO METERING, 69KV	TCOS
353	214E	353214E	SWITCHBOARD PANEL, BUS DIFFERENTIAL, 69KV	TCOS
353	214F	353214F	SWITCHBOARD PANEL, LINE RELAYING,W/O CARRIER, 69KV	TCOS
353	214G	353214G	SWITCHBOARD PANEL, BUS METERING, 69KV	TCOS
353	214H	353214H	SWITCHBOARD PANEL, CUSTOMER METERING, 69KV	TCOS
353	214J	353214J	SWITHCBOARD PANEL, INTERCONNECT METERING, 69KV	TCOS
353	214K	353214K	SWITCHBOARD PANEL, CAPACITOR CONTROLS, 69KV	TCOS
353	214L	353214L	SWITCHBOARD PANEL, CONTROL CABLE, 69KV	TCOS
353	214M	353214M	SWITCHBOARD PANEL, LINE RELAYING, W/CARRIER, 69KV	TCOS
353	2150	3532150	REACTOR OR RESISTOR 69 KV (OBSOLETE JUN 2009)	TCOS
353	215A	353215A	REACTOR 69KV	TCOS
353	215B	353215B	SHUNT REACTOR 69KV	TCOS
353	215C	353215C	RESISTOR 69KV	TCOS
353	217A	353217A	STRUCTURES, 69KV	TCOS
353	217B	353217B	FOUNDATIONS, 69KV	TCOS
353	217C	353217C	STRUCTURE EROSION CONTROL, 69KV	TCOS
353	2180	3532180	SWITCH 69 KV	TCOS
353	2185	3532185	CIRCUIT INTERRUPTER 69 KV	TCOS
353	218A	353218A	SWITCH, AIRBREAK, 69KV	TCOS
353	218B	353218B	SWITCH, GROUNDING, 69KV	TCOS
353	218C	353218C	SWITCH, DISCONNECT, 69KV	TCOS
353	218D	353218D	SWITCH, CIRCUIT INTERRUPTER, 69KV	TCOS
353	218E	353218E	SWITCH, CIRCUIT SWITCHER, 69KV	TCOS
353	218F	353218F	MOTOR OPERATORS, 69KV	TCOS
353	218G	353218G	SWITCH, VAC INTERRUPTER, 69KV	TCOS
353	218H	353218H	LIVE PARTS, 69KV SWITCH	TCOS
353	2190	3532190	SWITCHGEAR, METAL ENCLOSED 69 KV	TCOS
353	2195	3532195	BUSHING, 69KV METALCLAD SWITCHGEAR	TCOS
353	2210	3532210	TRANSFORMER, POWER 69 KV	DIST
353	2211	3532211	TRANSFORMER TANK AND COMPONENTS, POWER 69KV	DIST
353	2212	3532212	TRANSFORMER WINDINGS AND COMPONENTS, POWER 69KV	DIST
353	2213	3532213	BUSHING, 69KV TRANSFORMER	DIST
353	2214	3532214	PUMP, POWER TRANSFORMER, 69KV	DIST
353	2215	3532215	TRANSFORMER, AUTO 69 KV	TCOS
353	2216	3532216	TRANSFORMER TANK AND COMPONENTS, AUTO 69KV	TCOS
353	2217	3532217	TRANSFORMER WINDINGS AND COMPONENTS, AUTO 69KV	TCOS
353	2218	3532218	PUMP, AUTOTRANSFORMER, 69KV	TCOS
353	2219	3532219	BUSHING, 69KV AUTOTRANSFORMER	TCOS
353	221D	353221D	TRANSFORMER GASKET SET, POWER 69KV	DIST
353	221E	353221E	TRANSFORMER GASKET SET, AUTO 69KV	TCOS
353	2220	3532220	MOBILE SUBSTATION 69 KV	TCOS
353	2240	3532240	CARRIER CURRENT TONE AND TRANSFER TRIP EQUIP 69 KV	TCOS
353	2245	3532245	TELEMETERING EQUIPMENT 69 KV	TCOS
353	224A	353224A	CARRIER X/MTER/RCVR, 69KV	TCOS

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS PROPERTY UNIT DESIGNATIONS**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: W. A. LEDBETTER

FERC Account	Property Unit	Key	Property Unit Description	Designation
353	224B	353224B	TONE EQUIPMENT, 69KV	TCOS
353	224C	353224C	CARRIER LINE TUNER, 69KV	TCOS
353	224D	353224D	CARRIER LINE TRAP, 69KV	TCOS
353	224E	353224E	COUPLING CAPACITOR, 69KV	TCOS
353	224F	353224F	COAXIAL CABLE, 69KV	TCOS
353	2290	3532290	TRANSFORMER, INSTRUMENT 69 KV	TCOS
353	2S13	3532S13	BUSHING, 69KV TRANSFORMER - SVC	TCOS
353	3040	3533040	BUSS ASSEMBLY - 138KV	TCOS
353	3060	3533060	CAPACITOR BANK 138KV	TCOS
353	306A	353306A	CAPACITOR UNIT 138KV	TCOS
353	306B	353306B	CAPACITOR RACK & COMPONENTS 138KV	TCOS
353	3090	3533090	FUSE EQUIPMENT 138 KV	TCOS
353	3110	3533110	LIGHTNING ARRESTOR 138 KV	TCOS
353	3120	3533120	MANHOLE 138 KV	TCOS
353	3130	3533130	POWER CIRCUIT BREAKER 138 KV	TCOS
353	3135	3533135	BUSHING, 138KV CIRCUIT BREAKER	TCOS
353	313A	353313A	POWER CIRCUIT BREAKER, 2000 AMPERE, 138KV	TCOS
353	313B	353313B	POWER CIRCUIT BREAKER, 3000 AMPERE, 138KV	TCOS
353	3140	3533140	SWITCHBOARD 138KV	TCOS
353	3141	3533141	RELAYS, 138KV	TCOS
353	3142	3533142	METERING, 138KV	TCOS
353	314A	353314A	SWITCHBOARD PANEL, STATION, 138KV	TCOS
353	314B	353314B	SWITCHBOARD PANEL, TRANSFORMER DIFFERENTIAL, 138KV	TCOS
353	314C	353314C	SWITCHBOARD PANEL, AUTOTRANSF. DIFFERENTIAL, 138KV	TCOS
353	314D	353314D	SWITCHBOARD PANEL, AUTO METERING, 138KV	TCOS
353	314E	353314E	SWITCHBOARD PANEL, BUS DIFFERENTIAL, 138KV	TCOS
353	314F	353314F	SWITCHBOARD PANEL, LINE RELAYING, 138KV	TCOS
353	314G	353314G	SWITCHBOARD PANEL, BUS METERING, 138KV	TCOS
353	314H	353314H	SWITHCBORD PANEL, CUSTOMER METERING, 138KV	TCOS
353	314J	353314J	SWITHCBORD PANEL, INTERCONNECT METERING, 138KV	TCOS
353	314K	353314K	SWITCHBOARD PANEL, CAPACITOR CONTROLS, 138KV	TCOS
353	314L	353314L	SWITCHBOARD PANEL, CONTROL CABLE, 138KV	TCOS
353	314M	353314M	SWITHCBORD PANEL, CARRIER SELECT, 138KV	TCOS
353	3150	3533150	REACTOR OR RESISTOR 138 KV (OBSOLETE JUN 2009)	TCOS
353	315A	353315A	REACTOR 138KV	TCOS
353	315B	353315B	SHUNT REACTOR 138KV	TCOS
353	315C	353315C	RESISTOR 138KV	TCOS
353	317A	353317A	STRUCTURES, 138KV	TCOS
353	317B	353317B	FOUNDATIONS, 138KV	TCOS
353	317C	353317C	STRUCTURE EROSION CONTROL, 138KV	TCOS
353	3180	3533180	SWITCH 138 KV	TCOS
353	3185	3533185	CIRCUIT INTERRUPTER 138 KV	TCOS
353	318A	353318A	SWITCH, AIRBREAK, 138KV	TCOS
353	318B	353318B	SWITCH, GROUNDING, 138KV	TCOS
353	318C	353318C	SWITCH, DISCONNECT, 138KV	TCOS
353	318D	353318D	SWITCH, CIRCUIT INTERRUPTER, 138KV	TCOS
353	318E	353318E	SWITCH, CIRCUIT SWITCHER, 138KV	TCOS
353	318F	353318F	MOTOR OPERATORS, 138KV	TCOS
353	318G	353318G	SWITCH, VAC INTERRUPTER, 138KV	TCOS
353	318H	353318H	LIVE PARTS, 138KV SWITCH	TCOS
353	3190	3533190	SWITCHGEAR, METAL ENCLOSED 138 KV	TCOS
353	3195	3533195	BUSHING, 138KV METALCLAD SWITCHGEAR	TCOS
353	3210	3533210	TRANSFORMER, POWER 138 KV	DIST
353	3211	3533211	TRANSFORMER TANK AND COMPONENTS, POWER 138KV	DIST
353	3212	3533212	TRANSFORMER WINDINGS AND COMPONENTS, POWER 138KV	DIST
353	3213	3533213	BUSHING, 138KV TRANSFORMER	DIST
353	3214	3533214	PUMP, POWER TRANSFORMER, 138KV	DIST

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS PROPERTY UNIT DESIGNATIONS**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: W. A. LEDBETTER

FERC Account	Property Unit	Key	Property Unit Description	Designation
353	3215	3533215	TRANSFORMER, AUTO 138 KV	TCOS
353	3216	3533216	TRANSFORMER TANK AND COMPONENTS, AUTO 138KV	TCOS
353	3217	3533217	TRANSFORMER WINDINGS AND COMPONENTS, AUTO 138KV	TCOS
353	3218	3533218	PUMP, AUTOTRANSFORMER, 138KV	TCOS
353	3219	3533219	BUSHING, 138KV AUTOTRANSFORMER	TCOS
353	321A	353321A	CONTACTS, LOAD TAP CHANGER, 138KV AUTO TRANSF.	TCOS
353	321B	353321B	BARRIER BOARD, LOAD TAP CHANGER,138KV AUTO TRANSF.	TCOS
353	321C	353321C	ENCLOSURE, LOAD TAP CHANGER, 138KV AUTO TRANSF.	TCOS
353	321D	353321D	TRANSFORMER GASKET SET, POWER 138KV	DIST
353	321E	353321E	TRANSFORMER GASKET SET, AUTO 138KV	TCOS
353	3220	3533220	MOBILE SUBSTATION 138 KV	TCOS
353	3240	3533240	CARRIER CURRENT TONE AND TRANSFER TRIP EQUIP138 KV	TCOS
353	3245	3533245	TELEMETERING EQUIPMENT 138 KV	TCOS
353	324A	353324A	CARRIER X/MTR/RCVE, 138KV	TCOS
353	324B	353324B	TONE EQUIPMENT, 138KV	TCOS
353	324C	353324C	CARRIER LINE TUNER, 138KV	TCOS
353	324D	353324D	CARRIER LINE TRAP, 138KV	TCOS
353	324E	353324E	COUPLING CAPACITOR, 138KV	TCOS
353	324F	353324F	COAXIAL CABLE, 138KV	TCOS
353	324G	353324G	CARRIER LINE TRAP, 2000A, 138 KV	TCOS
353	324H	353324H	CARRIER LINE TRAP, 3000A, 138KV	TCOS
353	3290	3533290	TRANSFORMER, INSTRUMENT 138 KV	TCOS
353	3S10	3533S10	TRANSFORMER, POWER 138 KV - SVC	TCOS
353	3S11	3533S11	TRANSFORMER TANK AND COMPONENTS, POWER 138KV - SVC	TCOS
353	3S12	3533S12	TRANSFORMER WINDINGS & COMPONENTS, POWER 138KV-SVC	TCOS
353	3S13	3533S13	BUSHING, 138KV TRANSFORMER - SVC	TCOS
353	3S14	3533S14	PUMP, POWER TRANSFORMER, 138KV - SVC	TCOS
353	3S1D	3533S1D	TRANSFORMER GASKET SET, POWER 138KV - SVC	TCOS
353	4040	3534040	BUSS ASSEMBLY - 345KV	TCOS
353	4060	3534060	CAPACITOR BANK 345 KV	TCOS
353	406A	353406A	CAPACITOR UNIT 345KV	TCOS
353	406B	353406B	CAPACITOR RACK & COMPONENTS 345KV	TCOS
353	4090	3534090	FUSE EQUIPMENT 345 KV	TCOS
353	4110	3534110	LIGHTNING ARRESTOR 345 KV	TCOS
353	4120	3534120	MANHOLE 345 KV	TCOS
353	4130	3534130	POWER CIRCUIT BREAKER 345 KV	TCOS
353	4135	3534135	BUSHING, 345KV CIRCUIT BREAKER	TCOS
353	413A	353413A	CIRCUIT BREAKER, 3000 AMPERE, 345KV	TCOS
353	4140	3534140	SWITCHBOARD 345KV	TCOS
353	4141	3534141	RELAYS, 345KV	TCOS
353	4142	3534142	METERING, 345KV	TCOS
353	414A	353414A	SWITCHBOARD PANEL, STATION, 345KV	TCOS
353	414B	353414B	SWITCHBOARD PANEL, TRANSFORMER DIFFERENTIAL, 345KV	TCOS
353	414C	353414C	SWITCHBOARD PANEL, AUTOTRANSF. DIFFERENTIAL, 345KV	TCOS
353	414D	353414D	SWITCHBOARD PANEL, AUTO METERING, 345KV	TCOS
353	414E	353414E	SWITCHBOARD PANEL, BUS DIFFERENTIAL, 345KV	TCOS
353	414F	353414F	SWITCHBOARD PANEL, LINE RELAYING, 345KV	TCOS
353	414G	353414G	SWITHCBOARD PANEL, BUS METERING, 345KV	TCOS
353	414H	353414H	SWITHCBOARD PANEL, CUSTOMER METERING, 345KV	TCOS
353	414J	353414J	SWITCHBOARD PANEL, INTERCONNECT METERING, 345KV	TCOS
353	414K	353414K	SWITCHBOARD PANEL, CAPACITOR CONTROLS, 345KV	TCOS
353	414L	353414L	SWITCHBOARD PANEL, CONTROL CABLE, 345KV	TCOS
353	414M	353414M	SWITCHBOARD PANEL, CARRIER SELECT, 345KV	TCOS
353	4150	3534150	REACTOR OR RESISTOR 345 KV (OBSOLETE JUN 2009)	TCOS
353	415A	353415A	REACTOR 345KV	TCOS
353	415B	353415B	SHUNT REACTOR 345KV	TCOS
353	415C	353415C	RESISTOR 345KV	TCOS

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS PROPERTY UNIT DESIGNATIONS**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: W. A. LEDBETTER

FERC Account	Property Unit	Key	Property Unit Description	Designation
353	417A	353417A	STRUCTURES, 345KV	TCOS
353	417B	353417B	FOUNDATIONS, 345KV	TCOS
353	417C	353417C	STRUCTURE EROSION CONTROL, 345KV	TCOS
353	4180	3534180	SWITCH 345 KV	TCOS
353	4185	3534185	CIRCUIT INTERRUPTER 345 KV	TCOS
353	418A	353418A	SWITCH, AIRBREAK, 345KV	TCOS
353	418B	353418B	SWITCH, GROUNDING, 345KV	TCOS
353	418C	353418C	SWITCH, DISCONNECT, 345KV	TCOS
353	418D	353418D	MOTOR OPERATORS, 345KV	TCOS
353	418E	353418E	LIVE PARTS, 345KV SWITCH	TCOS
353	4190	3534190	SWITCHGEAR, METAL ENCLOSED 345 KV	TCOS
353	4195	3534195	BUSHING, 345KV METALCLAD SWITCHGEAR	TCOS
353	4210	3534210	TRANSFORMER, POWER 345 KV	DIST
353	4211	3534211	TRANSFORMER TANK AND COMPONENTS, POWER 345KV	DIST
353	4212	3534212	TRANSFORMER WINDINGS AND COMPONENTS, POWER 345KV	DIST
353	4213	3534213	BUSHING, 345KV TRANSFORMER	DIST
353	4214	3534214	PUMP, POWER TRANSFORMER, 345KV	DIST
353	4215	3534215	TRANSFORMER, AUTO 345 KV	TCOS
353	4216	3534216	TRANSFORMER TANK AND COMPONENTS, AUTO 345KV	TCOS
353	4217	3534217	TRANSFORMER WINDINGS AND COMPONENTS, AUTO 345KV	TCOS
353	4218	3534218	PUMP, AUTOTRANSFORMER, 345KV	TCOS
353	4219	3534219	BUSHING, 345KV AUTOTRANSFORMER	TCOS
353	421A	353421A	CONTACTS, LOAD TAP CHANGER, 345KV AUTO TRANSF.	TCOS
353	421B	353421B	BARRIER BOARD, LOAD TAP CHANGER, 345KV AUTO TRANSF.	TCOS
353	421C	353421C	ENCLOSURE, LOAD TAP CHANGER, 345KV AUTO TRANSF.	TCOS
353	421D	353421D	TRANSFORMER GASKET SET, POWER 345KV	DIST
353	421E	353421E	TRANSFORMER GASKET SET, AUTO 345KV	TCOS
353	4220	3534220	MOBILE SUBSTATION 345 KV	TCOS
353	4240	3534240	CARRIER CURRENT TONE AND TRANSFER TRIP EQUIP345 KV	TCOS
353	4245	3534245	TELEMETERING EQUIPMENT 345 KV	TCOS
353	424A	353424A	CARRIER X/MTR/RCVR, 345KV	TCOS
353	424B	353424B	TONE EQUIPMENT, 345KV	TCOS
353	424C	353424C	CARRIER LINE TUNER, 345KV	TCOS
353	424D	353424D	CARRIER LINE TRAP, 345KV	TCOS
353	424E	353424E	COUPLING CAPACITOR, 345KV	TCOS
353	424F	353424F	COAXIAL CABLE, 345KV	TCOS
353	424G	353424G	CARRIER LINE TRAP, 3000A, 345 KV	TCOS
353	4290	3534290	TRANSFORMER, INSTRUMENT 345 KV	TCOS
353	4S10	3534S10	TRANSFORMER, POWER 345 KV - SVC	TCOS
353	4S11	3534S11	TRANSFORMER TANK AND COMPONENTS, POWER 345KV - SVC	TCOS
353	4S12	3534S12	TRANSFORMER WINDINGS & COMPONENTS, POWER 345KV-SVC	TCOS
353	4S13	3534S13	BUSHING, 345KV TRANSFORMER - SVC	TCOS
353	4S14	3534S14	PUMP, POWER TRANSFORMER, 345KV - SVC	TCOS
353	4S1D	3534S1D	TRANSFORMER GASKET SET, POWER 345KV - SVC	TCOS
353	9996	3539996	UNCLASSIFIED FOR CONVERSION	Common
353	9999	3539999	UNCLASSIFIED	Common
362	0010	3620010	AIR COMPRESSOR	Common
362	0020	3620020	GENERATOR SET	Common
362	0030	3620030	BATTERY CHARGING SET	Common
362	0040	3620040	BUS ASSEMBLY - RETIREMENT OF OLD EQUIPMENT ONLY	DIST
362	0050	3620050	CONDUIT OR DUCT SYSTEM	Common
362	0060	3620060	CAPACITOR BANK STATION	DIST
362	0070	3620070	CRANE OR HOIST	Common
362	0075	3620075	FAULT MONITOR DATA COLLECTION SYSTEM	TCOS
362	0080	3620080	FIRE PROTECTION SYSTEM	Common
362	0090	3620090	FUSE EQUIPMENT - STATION EQUIP.	DIST
362	0100	3620100	YARD LIGHTING SYSTEM	Common

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS PROPERTY UNIT DESIGNATIONS**  
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**SPONSOR: W. A. LEDBETTER**

FERC Account	Property Unit	Key	Property Unit Description	Designation
362	013A	362013A	POWER CIRCUIT BREAKER, 1200 AMPERE, 15KV	DIST
362	013B	362013B	POWER CIRCUIT BREAKER, 2000 AMPERE, 15KV	DIST
362	0150	3620150	Security System	Common
362	0151	3620151	SECURITY SYSTEM - SHIELD SENSOR STATION	Common
362	0152	3620152	SECURITY SYSTEM - RADAR SENSOR	Common
362	0153	3620153	SECURITY SYSTEM - SURVEILLANCE CAMERA	Common
362	0154	3620154	SECURITY SYSTEM - SERVER	Common
362	0160	3620160	STORAGE BATTERY	Common
362	0170	3620170	STRUCTURES	DIST
362	0200	3620200	STATION METERING	DIST
362	0205	3620205	TRANSFORMER	DIST
362	0210	3620210	TRANSFORMER - AUXILIARY AND STATION SERVICE	DIST
362	0220	3620220	MOBILE SUBSTATION	DIST
362	0250	3620250	FENCES, PROTECTIVE	Common
362	0260	3620260	BUILDING, ELECTRICAL EQUIPMENT	Common
362	026A	362026A	CONTROL CENTER AND ELECTRICAL EQUIP.	Common
362	026B	362026B	CONTROL CENTER FOUNDATION	Common
362	0270	3620270	HEATING - VENTILATING - AIR CONDITIONING SYSTEM	Common
362	0280	3620280	SUPERVISORY CONTROL EQUIPMENT	Common
362	028C	362028C	SUPERVISORY CONTROL EQUIPMENT - CPU	Common
362	028M	362028M	SUPERVISORY CONTROL EQUIPMENT - MAIN LOGIC BOARD	Common
362	0300	3620300	CAT MASTER	DIST
362	0400	3620400	MICROWAVE ETHERNET TRANSCIEVER	DIST
362	0500	3620500	HARDENED NETWORK ROUTER	Common
362	0600	3620600	Station Communication Equipment	Common
362	1040	3621040	BUSS ASSEMBLY - 0 - 60KV	DIST
362	106A	362106A	CAPACITOR UNIT 0-60KV	DIST
362	106B	362106B	CAPACITOR RACK & COMPONENTS 0-60KV	DIST
362	1090	3621090	FUSE EQUIPMENT - 0-60 KV	DIST
362	1110	3621110	LIGHTNING ARRESTOR 0-60 KV	DIST
362	1120	3621120	MANHOLE 0-60 KV	DIST
362	1130	3621130	POWER CIRCUIT BREAKER 0-60 KV	DIST
362	1135	3621135	Bushing, 0-60 KV Circuit Breaker	DIST
362	113A	362113A	POWER CIRCUIT BREAKER, 1200 AMPERE, 25KV	DIST
362	113B	362113B	POWER CIRCUIT BREAKER, 2000 AMPERE, 25KV	DIST
362	1140	3621140	RELAY SWITCHBOARD 0-60 KV	DIST
362	1141	3621141	Relays, 0-69 KV Relay Panel	DIST
362	1142	3621142	Metering, 0-69 KV	DIST
362	114A	362114A	SWITCHBOARD PANEL, STATION METERING, 0-60KV	DIST
362	114B	362114B	SWITCHBOARD PANEL, BUS DIFFERENTIAL, 0-60KV	DIST
362	114C	362114C	SWITCHBOARD PANEL, 2 FEEDER, 0-60KV	DIST
362	114D	362114D	SWITCHBOARD PANEL, 1 FEEDER, 0-60KV	DIST
362	114E	362114E	SWITCHBOARD PANEL, FEEDER BYPASS-BUS TIE, 0-60KV	DIST
362	114F	362114F	SWITCHBOARD PANEL, CAPACITOR CONTROLS, 0-60KV	DIST
362	114G	362114G	SWITCHBOARD PANEL, CUSTOMER METERING, 0-60KV	DIST
362	114H	362114H	SWITCHBOARD PANEL, CONTROL CABLE, 0-60KV	DIST
362	1150	3621150	REACTOR OR RESISTOR 0-60 KV (OBSOLETE JUN 2009)	DIST
362	115A	362115A	REACTOR 0-60 KV	DIST
362	115B	362115B	SHUNT REACTOR 0-60 KV	DIST
362	115C	362115C	RESISTOR 0-60 KV	DIST
362	117A	362117A	STRUCTURES, 0-60KV	DIST
362	117B	362117B	FOUNDATIONS, 0-60KV	DIST
362	117C	362117C	STRUCTURE EROSION CONTROL, 0-60KV	DIST
362	1180	3621180	SWITCH 0-60 KV	DIST
362	1185	3621185	CIRCUIT INTERRUPTER 0-60 KV	DIST
362	118A	362118A	SWITCH, AIRBREAK, 0-60KV	DIST
362	118B	362118B	SWITCH, GROUNDING, 0-60KV	DIST

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**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
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SPONSOR: W. A. LEDBETTER

FERC Account	Property Unit	Key	Property Unit Description	Designation
362	118C	362118C	SWITCH, DISCONNECT, 0-60KV	DIST
362	118D	362118D	SWITCH, MOTOR OPERATOR, 0-60KV	DIST
362	118E	362118E	SWITCH, VAC INTERRUPTER, 0-60KV	DIST
362	118F	362118F	Live Parts, 0-60 KV Switch	DIST
362	1190	3621190	SWITCHGEAR, METAL ENCLOSED 0-60 KV	DIST
362	1195	3621195	Bushing, 0-60 KV Metalclad Swithgear	DIST
362	1210	3621210	TRANSFORMER, POWER 0-60 KV	DIST
362	1213	3621213	BUSHING, 0-60KV TRANSFORMER	DIST
362	1215	3621215	TRANSFORMER, AUTO 0-60 KV	DIST
362	121A	362121A	CONTACTS, LOAD TAP CHANGER, POWER TRANSFORMER	DIST
362	121B	362121B	BARRIER BOARD, LOAD TAP CHANGER,POWER TRANSFORMER	DIST
362	121C	362121C	ENCLOSURE, LOAD TAP CHANGER, POWER TRANSFORMER	DIST
362	1220	3621220	MOBILE SUBSTATION 0-60 KV	DIST
362	1230	3621230	VOLTAGE REGULATOR	DIST
362	1235	3621235	Bushing, 0-60KV Regulator	DIST
362	1245	3621245	TELEMETERING EQUIPMENT 0-60 KV	DIST
362	1290	3621290	TRANSFORMER, INSTRUMENT 0-60 KV	DIST
362	2040	3622040	BUSS ASSEMBLY - 69KV	TCOS
362	2060	3622060	CAPACITOR BANK 69 KV	TCOS
362	206A	362206A	CAPACITOR UNIT 69KV	TCOS
362	206B	362206B	CAPACITOR RACK & COMPONENTS 69KV	TCOS
362	2090	3622090	FUSE EQUIPMENT - 69 KV	TCOS
362	2110	3622110	LIGHTNING ARRESTOR 69 KV	TCOS
362	2120	3622120	MANHOLE 69 KV	TCOS
362	2130	3622130	POWER CIRCUIT BREAKER 69 KV	TCOS
362	2135	3622135	Bushing, 69 KV Circuit Breaker	TCOS
362	213A	362213A	POWER CIRCUIT BREAKER, 1200 AMPERE, 69KV	TCOS
362	213B	362213B	POWER CIRCUIT BREAKER, 2000 AMPERE, 69KV	TCOS
362	2140	3622140	RELAY SWITCHBOARD 69 KV	TCOS
362	2141	3622141	Relays, 69 KV Relay Panel	TCOS
362	2142	3622142	Metering, 69 KV	TCOS
362	214A	362214A	SWITCHBOARD PANEL, STATION, 69KV	TCOS
362	214B	362214B	SWITCHBOARD PANEL, TRANSFORMER DIFFERENTIAL, 69KV	TCOS
362	214C	362214C	SWITCHBOARD PANEL, AUTOTRANSF. DIFFERENTIAL, 69KV	TCOS
362	214D	362214D	SWITCHBOARD PANEL, AUTO METERING, 69KV	TCOS
362	214E	362214E	SWITCHBOARD PANEL, BUS DIFFERENTIAL, 69KV	TCOS
362	214F	362214F	SWITCHBOARD PANEL, LINE RELAYING,W/O CARRIER, 69KV	TCOS
362	214G	362214G	SWITCHBOARD PANEL, BUS METERING, 69KV	TCOS
362	214H	362214H	SWITCHBOARD PANEL, CUSTOMER METERING, 69KV	TCOS
362	214J	362214J	SWITCHBOARD PANEL, INTERCONNECT METERING, 69KV	TCOS
362	214K	362214K	SWITCHBOARD PANEL, CAPACITOR CONTROLS, 69KV	TCOS
362	214L	362214L	SWITCHBOARD PANEL, CONTROL CABLE, 69KV	TCOS
362	214M	362214M	SWITCHBOARD PANEL, LINE RELAYING, W/CARRIER, 69KV	TCOS
362	2150	3622150	REACTOR OR RESISTOR 69 KV (OBSOLETE JUN 2009)	TCOS
362	215A	362215A	REACTOR 69KV	TCOS
362	215B	362215B	SHUNT REACTOR 69KV	TCOS
362	215C	362215C	RESISTOR 69KV	TCOS
362	217A	362217A	STRUCTURES, 69KV	TCOS
362	217B	362217B	FOUNDATIONS, 69KV	TCOS
362	217C	362217C	STRUCTURE EROSION CONTROL, 69KV	TCOS
362	2180	3622180	SWITCH 69 KV	TCOS
362	2185	3622185	CIRCUIT INTERRUPTER 69 KV	TCOS
362	218A	362218A	SWITCH, AIRBREAK, 69KV	TCOS
362	218B	362218B	SWITCH, GROUNDING, 69KV	TCOS
362	218C	362218C	SWITCH, DISCONNECT, 69KV	TCOS
362	218D	362218D	SWITCH, CIRCUIT INTERRUPTER, 69KV	TCOS
362	218E	362218E	SWITCH, CIRCUIT SWITCHER, 69KV	TCOS

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**SPONSOR: W. A. LEDBETTER**

FERC Account	Property Unit	Key	Property Unit Description	Designation
362	218F	362218F	SWITCH, MOTOR OPERATOR, 69KV	TCOS
362	218G	362218G	SWITCH, VAC INTERRUPTER, 69KV	TCOS
362	218H	362218H	Live Parts, 69 KV Switch	TCOS
362	2190	3622190	SWITCHGEAR, METAL ENCLOSED 69 KV	TCOS
362	2195	3622195	Bushing, 69 KV Metalclad Switchgear	TCOS
362	2210	3622210	TRANSFORMER, POWER 69 KV	DIST
362	2211	3622211	TRANSFORMER TANK AND COMPONENTS, POWER 69KV	DIST
362	2212	3622212	TRANSFORMER WINDINGS AND COMPONENTS, POWER 69KV	DIST
362	2213	3622213	BUSHING, 69KV TRANSFORMER	DIST
362	2214	3622214	PUMP, POWER TRANSFORMER, 69KV	DIST
362	2215	3622215	TRANSFORMER, AUTO 69 KV	TCOS
362	2216	3622216	TRANSFORMER TANK AND COMPONENTS, AUTO 69KV	TCOS
362	2217	3622217	TRANSFORMER WINDINGS AND COMPONENTS, AUTO 69KV	TCOS
362	2218	3622218	PUMP, AUTOTRANSFORMER, 69KV	TCOS
362	221D	362221D	TRANSFORMER GASKET SET, POWER 69KV	DIST
362	221E	362221E	TRANSFORMER GASKET SET, AUTO 69KV	TCOS
362	2220	3622220	MOBILE SUBSTATION 69 KV	DIST
362	2240	3622240	CARRIER CURRENT TONE AND TRANSFER TRIP EQUIP 69KV	TCOS
362	2245	3622245	TELEMETERING EQUIPMENT 69 KV	TCOS
362	224A	362224A	CARRIER X/MTR/RCVR, 69KV	TCOS
362	224B	362224B	TONE EQUIPMENT, 69KV	TCOS
362	224C	362224C	CARRIER LINE TUNER, 69KV	TCOS
362	224D	362224D	CARRIER LINE TRAP, 69KV	TCOS
362	224E	362224E	COUPLING CAPACITOR, 69KV	TCOS
362	224F	362224F	COAXIAL CABLE, 69KV	TCOS
362	2290	3622290	TRANSFORMER, INSTRUMENT 69 KV	TCOS
362	3040	3623040	BUSS ASSEMBLY - 138KV	TCOS
362	3060	3623060	CAPACITOR BANK 138 KV	TCOS
362	306A	362306A	CAPACITOR UNIT 138KV	TCOS
362	306B	362306B	CAPACITOR RACK & COMPONENTS 138KV	TCOS
362	3090	3623090	FUSE EQUIPMENT - 138 KV	TCOS
362	3110	3623110	LIGHTNING ARRESTOR 138 KV	TCOS
362	3120	3623120	MANHOLE 138 KV	TCOS
362	3130	3623130	POWER CIRCUIT BREAKER 138 KV	TCOS
362	3135	3623135	Bushing, 138 KV Circuit Breaker	TCOS
362	313A	362313A	POWER CIRCUIT BREAKER, 2000 AMPERE, 138KV	TCOS
362	313B	362313B	POWER CIRCUIT BREAKER, 3000 AMPERE, 138KV	TCOS
362	3140	3623140	RELAY SWITCHBOARD 138 KV	TCOS
362	3141	3623141	Relay, 138 KV Relay Panel	TCOS
362	3142	3623142	Metering, 138 KV	TCOS
362	314A	362314A	SWITCHBOARD PANEL, STATION, 138KV	TCOS
362	314B	362314B	SWITCHBOARD PANEL, TRANSFORMER DIFFERENTIAL, 138KV	TCOS
362	314C	362314C	SWITCHBOARD PANEL, AUTOTRANS. DIFFERENTIAL, 138KV	TCOS
362	314D	362314D	SWITCHBOARD PANEL, AUTO METERING, 138KV	TCOS
362	314E	362314E	SWITCHBOARD PANEL, BUS DIFFERENTIAL, 138KV	TCOS
362	314F	362314F	SWITCHBOARD PANEL, LINE RELAYING, 138KV	TCOS
362	314G	362314G	SWITCHBOARD PANEL, BUS METERING	TCOS
362	314H	362314H	SWITCHBOARD PANEL, CUSTOMER METERING	TCOS
362	314J	362314J	SWITCHBOARD PANEL, INTERCONNECT METERING, 138KV	TCOS
362	314K	362314K	SWITCHBOARD PANEL, CAPACITOR CONTROLS, 138KV	TCOS
362	314L	362314L	SWITCHBOARD PANEL, CONTROL CABLE, 138KV	TCOS
362	314M	362314M	SWITCHBOARD PANEL, CARRIER SELECT, 138KV	TCOS
362	3150	3623150	REACTOR OR RESISTOR 138 KV (OBSOLETE JUN 2009)	TCOS
362	315A	362315A	REACTOR 138KV	TCOS
362	315B	362315B	SHUNT REACTOR 138KV	TCOS
362	315C	362315C	RESISTOR 138KV	TCOS
362	317A	362317A	STRUCTURES, 138KV	TCOS

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
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SPONSOR: W. A. LEDBETTER

FERC Account	Property Unit	Key	Property Unit Description	Designation
362	317B	362317B	FOUNDATIONS, 138KV	TCOS
362	317C	362317C	STRUCTURE EROSION CONTROL, 138KV	TCOS
362	3180	3623180	SWITCH 138 KV	TCOS
362	3185	3623185	CIRCUIT INTERRUPTER 138 KV	TCOS
362	318A	362318A	SWITCH, AIRBREAK, 138KV	TCOS
362	318B	362318B	SWITCH, GROUNDING, 138KV	TCOS
362	318C	362318C	SWITCH, DISCONNECT, 138KV	TCOS
362	318D	362318D	SWITCH, CIRCUIT INTERRUPTER, 138KV	TCOS
362	318E	362318E	SWITCH, CIRCUIT SWITCHER, 138KV	TCOS
362	318F	362318F	SWITCH, MOTOR OPERATOR, 138KV	TCOS
362	318G	362318G	SWITCH, VAC INTERRUPTER, 138KV	TCOS
362	318H	362318H	Live Parts, 138 KV Switch	TCOS
362	3190	3623190	SWITCHGEAR, METAL ENCLOSED 138 KV	TCOS
362	3195	3623195	Bushing, 138 KV Metalclad Switchgear	TCOS
362	3210	3623210	TRANSFORMER, POWER 138 KV	DIST
362	3211	3623211	TRANSFORMER TANK AND COMPONENTS, POWER 138KV	DIST
362	3212	3623212	TRANSFORMER WINDINGS AND COMPONENTS, POWER 138KV	DIST
362	3213	3623213	BUSHING, 138KV TRANSFORMER	DIST
362	3214	3623214	PUMP, POWER TRANSFORMER, 138KV	DIST
362	3215	3623215	TRANSFORMER, AUTO 138 KV	TCOS
362	3216	3623216	TRANSFORMER TANK AND COMPONENTS, AUTO 138KV	TCOS
362	3217	3623217	TRANSFORMER WINDINGS AND COMPONENTS, AUTO 138KV	TCOS
362	3218	3623218	PUMP, AUTOTRANSFORMER, 138KV	TCOS
362	321A	362321A	CONTACTS, LOAD TAP CHANGER, 138KV AUTO-TRANSFORMER	TCOS
362	321B	362321B	BARRIER BOARD, LOAD TAP CHANGER, 138KV AUTO TRANSF	TCOS
362	321C	362321C	ENCLOSURE, LOAD TAP CHANGER, 138KV AUTO TRANSFORMR	TCOS
362	321D	362321D	TRANSFORMER GASKET SET, POWER 138KV	DIST
362	321E	362321E	TRANSFORMER GASKET SET, AUTO 138KV	TCOS
362	3220	3623220	MOBILE SUBSTATION 138 KV	DIST
362	3240	3623240	CARRIER CURRENT TONE AND TRANSFER TRIP EQUIP 138KV	TCOS
362	3245	3623245	TELEMETERING EQUIPMENT 138 KV	TCOS
362	324A	362324A	CARRIER X/MTR/RCVR, 138KV	TCOS
362	324B	362324B	TONE EQUIPMENT, 138KV	TCOS
362	324C	362324C	CARRIER LINE TUNER, 138KV	TCOS
362	324D	362324D	CARRIER LINE TRAP, 138KV	TCOS
362	324E	362324E	COUPLING CAPACITOR, 138KV	TCOS
362	324F	362324F	COAXIAL CABLE, 138KV	TCOS
362	324G	362324G	CARRIER LINE TRAP, 2000A, 138 KV	TCOS
362	324H	362324H	CARRIER LINE TRAP, 3000A, 138 KV	TCOS
362	3290	3623290	TRANSFORMER, INSTRUMENT 138 KV	TCOS
362	4040	3624040	BUSS ASSEMBLY - 345 KV	TCOS
362	4060	3624060	CAPACITOR BANK 345 KV	TCOS
362	406A	362406A	CAPACITOR UNIT 345KV	TCOS
362	406B	362406B	CAPACITOR RACK & COMPONENTS 345KV	TCOS
362	4090	3624090	FUSE EQUIPMENT - 345 KV	TCOS
362	4110	3624110	LIGHTNING ARRESTOR 345 KV	TCOS
362	4120	3624120	MANHOLE 345 KV	TCOS
362	4130	3624130	POWER CIRCUIT BREAKER 345 KV	TCOS
362	4135	3624135	Bushing, 345 KV Circuit Breaker	TCOS
362	413A	362413A	CIRCUIT BREAKER, 3000 AMPERE, 345KV	TCOS
362	4140	3624140	RELAY SWITCHBOARD 345 KV	TCOS
362	4141	3624141	Relay, 345 KV Relay Panel	TCOS
362	4142	3624142	Metering, 345 KV	TCOS
362	414A	362414A	SWITCHBOARD PANEL, STATION, 345KV	TCOS
362	414B	362414B	SWITCHBOARD PANEL, TRANSFORMER DIFFERENTIAL, 345KV	TCOS
362	414C	362414C	SWITCHBOARD PANEL, AUTOTRANSF. DIFFERENTIAL, 345KV	TCOS
362	414D	362414D	SWITCHBOARD PANEL, AUTO METERING, 345KV	TCOS

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS PROPERTY UNIT DESIGNATIONS**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

FERC Account	Property Unit	Key	Property Unit Description	Designation
362	414E	362414E	SWITCHBOARD PANEL, BUS DIFFERENTIAL, 345KV	TCOS
362	414F	362414F	SWITCHBOARD PANEL, LINE RELAYING, 345KV	TCOS
362	414G	362414G	SWITCHBOARD PANEL, BUS METERING, 345KV	TCOS
362	414H	362414H	SWITCHBOARD PANEL, CUSTOMER METERING, 345KV	TCOS
362	414J	362414J	SWITCHBOARD PANEL, INTERCONNECT METERING, 345KV	TCOS
362	414K	362414K	SWITCHBOARD PANEL, CAPACITOR CONTROLS, 345KV	TCOS
362	414L	362414L	SWITCHBOARD PANEL, CONTROL CABLE, 345KV	TCOS
362	414M	362414M	SWITCHBOARD PANEL, CARRIER SELECT, 345KV	TCOS
362	4150	3624150	REACTOR OR RESISTOR 345 KV (OBSOLETE JUN 2009)	TCOS
362	415A	362415A	REACTOR 345KV	TCOS
362	415B	362415B	SHUNT REACTOR 345KV	TCOS
362	415C	362415C	RESISTOR 345KV	TCOS
362	417A	362417A	STRUCTURES, 345KV	TCOS
362	417B	362417B	FOUNDATIONS, 345KV	TCOS
362	417C	362417C	STRUCTURE EROSION CONTROL, 345KV	TCOS
362	4180	3624180	SWITCH 345 KV	TCOS
362	4185	3624185	CIRCUIT INTERRUPTER 345 KV	TCOS
362	418A	362418A	SWITCH, AIRBREAK, 345KV	TCOS
362	418B	362418B	SWITCH, GROUNDING, 345KV	TCOS
362	418C	362418C	SWITCH, DISCONNECT, 345KV	TCOS
362	418D	362418D	SWITCH, MOTOR OPERATOR, 345KV	TCOS
362	418E	362418E	Live Parts, 345 KV Switch	TCOS
362	4190	3624190	SWITCHGEAR, METAL ENCLOSED 345 KV	TCOS
362	4195	3624195	Bushing, 345 KV Metalclad Switchgear	TCOS
362	4210	3624210	TRANSFORMER, POWER 345 KV	DIST
362	4211	3624211	TRANSFORMER TANK AND COMPONENTS, POWER 345KV	DIST
362	4212	3624212	TRANSFORMER WINDINGS AND COMPONENTS, POWER 345KV	DIST
362	4213	3624213	BUSHING, 345KV TRANSFORMER	DIST
362	4214	3624214	PUMP, POWER TRANSFORMER, 345KV	DIST
362	4215	3624215	TRANSFORMER, AUTO 345 KV	TCOS
362	4216	3624216	TRANSFORMER TANK AND COMPONENTS, AUTO 345KV	TCOS
362	4217	3624217	TRANSFORMER WINDINGS AND COMPONENTS, AUTO 345KV	TCOS
362	4218	3624218	PUMP, AUTOTRANSFORMER, 345KV	TCOS
362	421A	362421A	CONTACTS, LOAD TAP CHANGER, 345KV AUTO TRANSFORMER	TCOS
362	421B	362421B	BARRIER BOARD, LOAD TAP CHANGER, 345KV AUTO TRANSF	TCOS
362	421C	362421C	ENCLOSURE, LOAD TAP CHANGER, 345KV AUTO TRANSFORMR	TCOS
362	421D	362421D	TRANSFORMER GASKET SET, POWER 345KV	DIST
362	421E	362421E	TRANSFORMER GASKET SET, AUTO 345KV	TCOS
362	4220	3624220	MOBILE SUBSTATION 345 KV	DIST
362	4240	3624240	CARRIER CURRENT TONE AND TRANSFER TRIP EQUIP 345KV	TCOS
362	4245	3624245	TELEMETERING EQUIPMENT 345 KV	TCOS
362	424A	362424A	CARRIER X/MTR/RCVR, 345KV	TCOS
362	424B	362424B	TONE EQUIPMENT, 345KV	TCOS
362	424C	362424C	CARRIER LINE TUNER, 345KV	TCOS
362	424D	362424D	CARRIER LINE TRAP, 345KV	TCOS
362	424E	362424E	COUPLING CAPACITOR, 345KV	TCOS
362	424F	362424F	COAXIAL CABLE, 345KV	TCOS
362	424G	362424G	CARRIER LINE TRAP, 3000A, 345 KV	TCOS
362	4290	3624290	TRANSFORMER, INSTRUMENT 345 KV	TCOS
362	9996	3629996	UNCLASSIFIED FOR CONVERSION	Common
362	9999	3629999	UNCLASSIFIED	Common

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 353 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 353 (T + G)	Total DIST of 353 (D + H)
0000050	Greenville Ave Switching Sta.	262,779.27	102,205.67	5,750,844.09	6,115,829.03	5,853,049.76	0.9825380	0.0174620	258,190.63	4,588.64	6,009,034.72	106,794.31
0000055	Denton Dr Transmission S/S	386,726.90	32,923.79	3,024,508.42	3,444,159.11	3,057,432.21	0.9892316	0.0107684	382,562.45	4,164.45	3,407,070.87	37,088.24
0000060	East Levee Transmission S/S	1,849,783.36	12,873.05	8,396,799.45	10,259,455.86	8,409,672.50	0.9984693	0.0015307	1,846,951.82	2,831.54	10,243,751.27	15,704.59
0000063	Fish Creek Transmission S/S	168,791.81	177,065.09	663,924.69	1,009,781.59	840,989.78	0.7894563	0.2105437	133,253.76	35,538.05	797,178.45	212,603.14
0000065	Norwood Switching Station	439,187.88	213,181.51	12,727,863.91	13,380,233.30	12,941,045.42	0.9835267	0.0164733	431,953.01	7,234.87	13,159,816.92	220,416.38
0000066	Cedar Crest Transmission S/Sta	263,781.94	153,384.69	2,984,645.27	3,401,811.90	3,138,029.96	0.9511207	0.0488793	250,888.46	12,893.48	3,235,533.73	166,278.17
0000067	Morrison Ln Switching Station	312,381.51	32,340.00	4,549,952.81	4,894,674.32	4,582,292.81	0.9929424	0.0070576	310,176.85	2,204.66	4,860,129.66	34,544.66
0000070	Dallas Transmission S/Station	0.00	0.00	0.00	0.00	0.00	0.8900680	0.1099320	0.00	0.00	0.00	0.00
0000075	Mtn Creek Transmission S/Sta.	1,045,448.09	335,071.11	9,898,885.68	11,279,404.88	10,233,956.79	0.9672589	0.0327411	1,011,218.96	34,229.13	10,910,104.64	369,300.24
0000080	Parkdale Transmission S/Sta	7,968,275.17	23,204,686.78	40,819,193.22	71,992,155.17	64,023,880.00	0.6375620	0.3624380	5,080,269.48	2,888,005.69	45,899,462.70	26,092,692.47
0000090	Lake Hubbard Transmission S	368,820.17	11,229.39	7,825,275.95	8,205,325.51	7,836,505.34	0.9985670	0.0143300	368,291.67	528.50	8,193,567.62	11,757.89
0000095	Vought Switching Station	11,002.89	0.00	212,620.83	223,623.72	212,620.83	1.0000000	0.0000000	11,002.89	0.00	223,623.72	0.00
0000111	Cedar Crest S/Station T&D	890,536.31	0.00	413,884.92	1,304,421.23	413,884.92	1.0000000	0.0000000	890,536.31	0.00	1,304,421.23	0.00
0000112	Cedar Hill Transmission S/	1,380,053.83	2,152,851.86	23,284,598.68	26,817,504.37	25,437,450.54	0.9153668	0.0846332	1,263,255.51	116,798.32	24,547,854.19	2,269,650.18
0000125	Kirkland Park Switching Sta.	826,697.55	15,836.63	5,105,801.81	5,948,335.99	5,121,638.44	0.9969079	0.0030921	824,141.32	2,556.23	5,929,943.13	18,392.86
0000132	Medill Oh Termination Sta	0.00	0.00	39,105.13	39,105.13	1.0000000	0.0000000	0.00	0.00	39,105.13	0.00	0.00
0000134	Northhaven S/Sta T&D	2,540,501.87	4,594,790.80	9,069,579.02	16,204,871.69	13,664,369.82	0.6637393	0.3362607	1,686,230.89	854,270.98	10,755,809.91	5,449,061.78
0000138	Polk St Termination Station	143,245.55	0.00	85,330.99	228,576.54	85,330.99	1.0000000	0.0000000	143,245.55	0.00	228,576.54	0.00
0000145	Texas Instruments S/Sta T&D	166,941.85	12,296.99	1,209,377.12	1,388,615.96	1,221,674.11	0.9899343	0.0100657	165,261.47	1,680.38	1,374,638.59	13,977.37
0000153	Edgemere Termination Station	25,542.47	0.00	210,007.86	235,550.33	210,007.86	1.0000000	0.0000000	25,542.47	0.00	235,550.33	0.00
0000154	North Lake Pump Station	1,252.44	19,995.24	30,438.76	51,656.44	50,404.00	0.6038957	0.3961043	756.34	496.10	31,195.10	20,461.34
0000157	North Lake Transmission S/	1,540,648.16	163,644.17	6,900,401.80	8,604,694.13	7,064,045.97	0.9768342	0.0231658	1,504,957.84	35,690.32	8,405,359.64	199,334.49
0000165	Fish Creek Switching Station	287,924.53	3,383.66	554,015.40	845,323.59	557,399.06	0.9939296	0.0060704	286,176.70	1,747.83	840,192.10	5,131.49
0000166	Audelia Termination Station	69,362.33	0.00	123,095.52	192,457.85	123,095.52	1.0000000	0.0000000	69,362.33	0.00	192,457.85	0.00
0000171	Industrial Blvd Switching Sta.	728,845.79	25,149.57	2,166,350.31	2,920,345.67	2,191,499.88	0.9885240	0.0114760	720,481.58	8,364.21	2,886,831.89	33,513.78
0000176	Watermill Rd Transmissions	1,654,429.11	796,733.91	21,176,444.34	23,627,607.36	21,973,178.25	0.9637406	0.0362594	1,594,440.53	59,988.58	22,770,864.87	856,722.49
0000178	Sargent Rd. Sw. Sta.	1,058,188.55	856,654.72	15,311,731.29	17,226,574.56	16,168,386.01	0.9470167	0.0529833	1,002,122.21	56,066.34	16,313,853.50	912,721.06
0000182	West Levee Substation	1,190,835.36	743,146.51	17,979,208.28	19,913,190.15	18,722,354.79	0.9603070	0.0396930	1,143,567.53	47,267.83	19,122,775.81	790,414.78
0000210	Tricorner Switching Station	1,306,112.03	0.00	13,898,668.49	15,204,780.52	13,898,668.49	1.0000000	0.0000000	1,306,112.03	0.00	15,204,780.52	0.00
0000216	Centerville Transmission S	1,251,292.77	611,686.86	20,279,610.00	22,142,589.63	20,891,296.86	0.9707205	0.0292795	1,214,655.54	36,637.23	21,494,265.54	648,324.09
0000221	Prairie Creek	256,727.21	41,602.54	2,406,222.38	2,704,552.13	2,447,824.92	0.9830043	0.0169957	252,363.95	4,363.26	2,658,586.33	45,965.80
0000229	Flynn St Switching Station	6,856.14	0.00	0.00	6,856.14	0.00	0.8900680	0.1099320	6,102.43	753.71	6,102.43	753.71
0000230	Witchita Oh-Ug Termination Sta	0.00	0.00	189,383.03	189,383.03	1.0000000	0.0000000	0.00	0.00	189,383.03	0.00	0.00
0000253	800/900 Network Substation	1,420,225.17	11,892,717.88	4,167,701.83	17,480,644.88	16,060,419.71	0.2595014	0.7404986	368,550.46	1,051,674.71	4,536,252.29	12,944,392.59
0000254	Southside 69KV, POI	(435.73)	(3,050.14)	(21,350.98)	(24,836.85)	(24,401.12)	0.8750000	0.1250000	(381.26)	(54.47)	(21,732.24)	(3,104.61)
0000260	Prentice POI	0.00	35,000.82	51,155.18	86,156.00	86,156.00	0.5937506	0.4062494	0.00	0.00	51,155.18	35,000.82
0000262	Knight's Branch POD	117,906.53	37,252.41	693,180.75	848,339.69	730,433.16	0.9489996	0.0510004	111,893.25	6,013.28	805,074.00	43,265.69
0000332	Audelia-Lake Highlands Ug	0.00	0.00	8,534.80	8,534.80	8,534.80	1.0000000	0.0000000	0.00	0.00	8,534.80	0.00
0000334	Medill-East Network Ug	0.00	0.00	11,267.23	11,267.23	11,267.23	1.0000000	0.0000000	0.00	0.00	11,267.23	0.00
0000364	Polk St Termination-S/Sta Ug	0.00	0.00	6,805.68	6,805.68	6,805.68	1.0000000	0.0000000	0.00	0.00	6,805.68	0.00
0000375	Amelia-Maple Ug Supply	0.00	0.00	2,849.02	2,849.02	2,849.02	1.0000000	0.0000000	0.00	0.00	2,849.02	0.00
0000379	Polk-Davis St Ug	0.00	0.00	2,830.45	2,830.45	2,830.45	1.0000000	0.0000000	0.00	0.00	2,830.45	0.00
0000386	Maple Ave-Collville Ug	0.00	0.00	2,628.54	2,628.54	2,628.54	1.0000000	0.0000000	0.00	0.00	2,628.54	0.00
0000401	East Network-Bryan Ug Line	0.00	0.00	1,333.48	1,333.48	1,333.48	1.0000000	0.0000000	0.00	0.00	1,333.48	0.00
0002000	Electric Service Building	0.00	0.00	111,495.83	111,495.83	111,495.83	1.0000000	0.0000000	0.00	0.00	111,495.83	0.00
0003223	Graham Service Center	0.00	0.00	3,787.25	3,787.25	3,787.25	1.0000000	0.0000000	0.00	0.00	3,787.25	0.00
0003883	System Operating Serv Facility	0.00	538,288.31	0.00	538,288.31	538,288.31	0.0000000	1.0000000	0.00	0.00	0.00	538,288.31
0004905	ERC - Dallas Naval Air Station	0.00	0.00	386,946.13	386,946.13	386,946.13	1.0000000	0.0000000	0.00	0.00	386,946.13	0.00

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
TCOS ALLOCATION OF FERC ACCOUNT 353 WITHOUT NTUSU  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 353 (T + G)	Total DIST of 353 (D + H)
0005006	Ackerly Vealmor 69-12.5Kv	26,416.22	18,493.18	523,435.06	568,344.46	541,928.24	0.9658752	0.0341248	25,514.77	901.45	548,949.83	19,394.63
0005008	Buzzard Draw Sw Station	617,608.83	384.41	5,455,323.64	6,073,316.88	5,455,708.05	0.9999295	0.0000705	617,565.31	43.52	6,072,888.95	427.93
0005015	Martin Capacitor Station 138Kv	135,636.57	2,523.28	419,685.23	557,845.08	422,208.51	0.9940236	0.0059764	134,825.95	810.62	554,511.18	3,333.90
0005035	Cosden Sw Sta 138Kv	239,526.82	126,941.86	1,203,483.62	1,569,952.30	1,330,425.48	0.9045855	0.0954145	216,672.49	22,854.33	1,420,156.11	149,796.19
0005071	Gunsight 138 KV Sw Station	1,030,451.84	0.00	2,596,592.12	3,627,043.96	2,596,592.12	1.0000000	0.0000000	1,030,451.84	0.00	3,627,043.96	0.00
0005082	Big Spring Switch Station 138K	1,326,566.36	1,173,384.22	8,986,615.29	11,486,565.87	10,159,999.51	0.8845094	0.1154906	1,173,360.44	153,205.92	10,159,975.73	1,326,590.14
0005084	Carbon Switching Station 69KV	320,146.07	580.53	304,621.52	625,348.12	305,202.05	0.9980979	0.0019021	319,537.11	608.96	624,158.63	1,189.49
0005085	McDonald Road 138 KV Sw Sta	652,825.69	0.00	4,075,629.28	4,728,454.97	4,075,629.28	1.0000000	0.0000000	652,825.69	0.00	4,728,454.97	0.00
0005086	Chaff 69-12.5Kv	139,160.48	592,884.41	615,263.85	1,347,308.74	1,208,148.26	0.5092619	0.4907381	70,869.13	68,291.35	686,132.98	661,175.76
0005087	Drumright 138 KV Sw Sta	527,490.08	0.00	1,010,227.71	1,537,717.79	1,010,227.71	1.0000000	0.0000000	527,490.08	0.00	1,537,717.79	0.00
0005088	Longshore 345KV Sw Sta	764,207.48	0.00	4,476,632.30	5,240,839.78	4,476,632.30	1.0000000	0.0000000	764,207.48	0.00	5,240,839.78	0.00
0005090	Garden City 69-12.5Kv	328,290.60	290,348.84	896,518.97	1,515,158.41	1,186,867.81	0.7553655	0.2446345	247,979.39	80,311.21	1,144,498.36	370,660.05
0005091	Willow Valley 138 KV Sw-Sta	653,810.98	692,674.55	12,126,843.38	13,473,328.91	12,819,517.93	0.9459672	0.0540328	618,483.74	35,327.24	12,745,327.12	728,001.79
0005092	Polecat Creek Sw Sta	734,184.61	0.00	1,554,264.91	2,288,449.52	1,554,264.91	1.0000000	0.0000000	734,184.61	0.00	2,288,449.52	0.00
0005093	Pemberton Draw POD	355,769.54	50,470.23	160,679.37	566,919.14	211,149.60	0.7609741	0.2390259	270,731.39	85,038.15	431,410.76	135,508.38
0005094	Lamesa 138/69-12.5/22Kv	1,126,617.49	1,040,670.03	12,090,176.48	14,257,464.00	13,130,846.51	0.9207462	0.0792538	1,037,328.73	89,288.76	13,127,505.21	1,129,958.79
0005097	Leatherwood POD	269,809.73	0.00	182,191.36	452,001.09	182,191.36	1.0000000	0.0000000	269,809.73	0.00	452,001.09	0.00
0005100	Breckenridge 138/69-1	285,293.38	1,418,570.35	1,481,184.64	3,185,048.37	2,899,754.99	0.5107965	0.4892035	145,726.85	139,566.53	1,626,911.49	1,558,136.88
0005114	Burwick Switching Station	1,023,041.19	4,162.94	3,562,786.76	4,589,990.89	3,566,949.70	0.9988329	0.0011671	1,021,847.21	1,193.98	4,584,633.97	5,356.92
0005124	Olney Tnm Cm 69Kv	977.39	2,533.08	31,911.11	35,421.58	34,444.19	0.9264584	0.0735416	905.51	71.88	32,816.62	2,604.96
0005126	Garvey Road Switching Station	520,380.63	102,259.31	4,131,142.01	4,753,781.95	4,233,401.32	0.9758446	0.0241554	507,810.65	12,569.98	4,638,952.66	114,829.29
0005136	Graham Plant Sw Sta.345/138Kv	2,221,285.22	1,882,817.12	22,989,664.04	27,093,766.38	24,872,481.16	0.9243012	0.07656988	2,053,136.58	168,148.64	25,042,800.62	2,050,965.76
0005139	Graham Sw Station 138/69Kv	358,149.28	373,467.58	3,853,577.01	4,585,193.87	4,227,044.59	0.9116481	0.0883519	326,506.10	31,643.18	4,180,083.11	405,110.76
0005140	Long Creek 345 KV Sw Sta	601,734.09	31,630.50	3,666,261.75	4,299,626.34	3,697,892.25	0.9911463	0.0855357	596,587.06	5,147.03	4,262,848.81	36,777.53
0005141	Rice Switching Station 138KV	80,288.86	59,794.66	659,736.78	799,820.30	719,531.44	0.9168978	0.0831022	73,616.68	6,672.18	733,353.46	66,466.84
0005142	Graham 69-12.5'1Kv	124,943.83	405,877.28	871,942.32	1,402,763.43	1,277,819.60	0.6823673	0.3176327	85,257.58	39,686.25	957,199.90	445,563.53
0005143	Barton 138 KV Switching Sta	714,805.07	31,940.66	1,831,102.00	2,577,847.73	1,863,042.66	0.9826556	0.0171444	702,550.20	12,254.87	2,533,652.20	44,195.53
0005145	Leon Switching Sta 138/69Kv	1,431,261.68	738,102.50	8,190,126.00	10,359,490.18	8,928,228.50	0.9173293	0.0826707	1,312,938.34	118,323.34	9,503,064.34	856,425.84
0005167	Lake Leon POI	220,021.67	37,192.18	150,614.29	407,828.14	187,806.47	0.8019654	0.1980346	176,449.77	43,571.90	327,084.06	80,764.08
0005175	Big Three Grand Prairie 13	0.00	0.00	16,659.42	16,659.42	16,659.42	1.0000000	0.0000000	0.00	0.00	16,659.42	0.00
0005235	Bomber Road POI	22,515.11	12,620.82	19,884.68	55,020.61	32,505.50	0.6117328	0.3882672	13,773.23	8,741.88	33,657.91	21,362.70
0005242	General Dynamics 69Kv	0.00	8,274.29	34,980.39	43,254.68	43,254.68	0.8087076	0.1912924	0.00	0.00	34,980.39	8,274.29
0005250	General Motors 138KV Sw Sta	(200,830.11)	(27,770.44)	(667,556.87)	(896,157.42)	(695,327.31)	0.9600613	0.0399387	(192,809.22)	(8,020.89)	(860,366.09)	(35,791.33)
0005305	Poly America	0.00	9,620.35	0.00	9,620.35	0.00	1.0000000	0.0000000	0.00	0.00	0.00	9,620.35
0005360	Tate Springs Tap	2,595.08	6,487.64	99,911.22	108,993.94	106,398.86	0.9390253	0.0609747	2,436.85	156.23	102,348.07	6,645.87
0005389	Wedgewood Switching Station	413,603.37	29,715.64	4,001,294.55	4,444,613.56	4,031,010.19	0.9926282	0.0073718	410,554.39	3,048.98	4,411,848.94	32,764.62
0005403	Eagle Mountain 138Kv	1,608,815.75	940,699.98	18,319,510.70	20,869,026.43	19,260,210.68	0.9511584	0.0488416	1,530,238.58	78,577.17	19,849,749.28	1,019,277.15
0005404	Comanche Peak Sw Station 345Kv	5,036,624.05	723,064.21	38,210,594.67	43,970,282.93	38,933,658.88	0.9814283	0.0185717	4,943,085.38	93,538.67	43,153,680.05	816,602.88
0005405	Comanche Peak Unit 2 Sw St 345	537,520.97	1,576,541.96	6,451,158.89	8,565,221.82	8,027,700.85	0.8036123	0.1963877	431,958.45	105,562.52	6,883,117.34	1,682,104.48
0005406	Everman 345/138Kv	1,835,503.98	2,543,056.26	30,019,208.03	34,397,768.27	32,562,264.29	0.9219017	0.0780983	1,692,154.31	143,349.67	31,711,362.34	2,686,405.93
0005408	Parker Sw Sta 345Kv	5,881,974.54	8,702.14	42,688,692.46	48,579,369.14	42,697,394.60	0.9997962	0.0002038	5,880,775.74	1,198.80	48,569,468.20	9,900.94
0005409	Saginaw 138/69Kv	83,610.41	0.00	927,563.54	1,011,173.95	927,563.54	1.0000000	0.0000000	83,610.41	0.00	1,011,173.95	0.00
0005410	Sherry 345/138-12.5KV	771,173.41	1,679,653.14	13,570,090.59	16,020,917.14	15,249,743.73	0.8898570	0.1101430	686,234.03	84,939.38	14,256,324.62	1,764,592.52
0005412	White Settlement Sw Station 69	1,001,185.05	2,292,196.11	3,510,154.21	6,803,535.37	5,802,350.32	0.6049539	0.3950461	605,670.76	395,514.29	4,115,824.97	2,687,710.40
0005415	Weatherford Switching Station	83,740.11	32,841.96	641,194.98	757,777.05	674,036.94	0.9512757	0.0487243	759,693.59	4,080.18	720,854.91	36,922.14
0005420	Benbrook 345/138-25Kv	2,410,557.65	10,105,291.49	17,173,729.26	24,689,578.35	22,279,020.75	0.7708476	0.2291524	1,858,172.50	552,385.10	19,031,901.76	5,657,676.59
0005424	Calmont 138/69-12.5Kv	1,382,110.60	4,701,749.92	8,767,099.68	14,850,960.20	13,468,849.60	0.6509167	0.3490833	899,638.93	482,471.67	9,666,738.61	5,184,221.59
0005425	Rocky Creek Switching Stat345K	1,466,958.38	1,810,922.40	7,870,908.24	11,148,789.02	9,681,830.64	0.8129566	0.1870434	1,192,573.52	274,384.86	9,063,481.76	2,085,307.26

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 353 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 353 (T + G)	Total DIST of 353 (D + H)
0005427	Denton Ave 69-12.5Kv	844,619.25	4,463,024.85	971,354.19	6,278,998.29	5,434,379.04	0.1787424	0.8212576	150,969.31	693,649.94	1,122,323.50	5,156,674.79
0005428	Quarry Field Switch	2,992,795.03	220,289.19	38,108,079.20	41,321,163.42	38,328,368.39	0.9942526	0.0057474	2,975,594.18	17,200.85	41,083,673.38	237,490.04
0005430	Duval 69-12.5Kv	152,923.76	904,477.71	1,276,023.94	2,333,425.41	2,180,501.65	0.5851974	0.4148026	89,490.59	63,433.17	1,365,514.53	967,910.88
0005431	Rondo STATCOM	2,527,849.34	31,184.24	32,102,536.30	34,661,569.88	32,133,720.54	0.9990295	0.0009705	2,525,396.18	2,453.16	34,627,932.48	33,637.40
0005433	Forest Hill 138/69-12.5Kv	812,647.49	2,057,637.89	6,535,740.29	9,406,025.67	8,593,378.18	0.7605554	0.2394446	618,063.45	194,584.04	7,153,803.74	2,252,221.93
0005436	Handley 138/69-12.5Kv	1,273,164.05	1,217,212.86	14,415,625.15	16,906,002.06	15,632,838.01	0.9221374	0.0778626	1,174,032.23	99,131.82	15,589,657.38	1,316,344.68
0005438	Hemphill 138-12.5Kv	296,675.01	1,424,302.54	2,307,578.44	4,028,555.99	3,731,880.98	0.6183419	0.3816581	183,446.59	113,228.42	2,491,025.03	1,537,530.96
0005442	North Main Sw Station 138/69Kv	1,055,569.94	1,222.86	3,364,800.85	4,421,593.65	3,366,023.71	0.9996367	0.0003633	1,055,186.46	383.48	4,419,987.31	1,606.34
0005445	Marrs Switch	1,273,756.75	0.00	8,635,221.39	9,908,978.14	8,635,221.39	1 0000000	0 0000000	1,273,756.75	0.00	9,908,978.14	0.00
0005449	Property Conversion	1,257,810.96	0.00	0.00	1,257,810.96	0.00	0.8900680	0.1099320	1,119,537.29	138,273.67	1,119,537.29	138,273.67
0005482	M-West/Rea Dermott 69Kv (M	0.00	1,147.40	17,971.24	19,118.64	0.9399853	0.0600147	0.00	0.00	0.00	17,971.24	1,147.40
0005485	Sweetwater Cogen Sw. Station	0.00	0.00	0.00	0.00	0.00	0.8900680	0.1099320	0.00	0.00	0.00	0.00
0005487	Golden Switching Sta 138 KV	735,527.43	0.00	1,794,667.04	2,530,194.47	1,794,667.04	1 0000000	0 0000000	735,527.43	0.00	2,530,194.47	0.00
0005497	Sun 138-12.5KV	356,032.07	168,313.12	2,814,626.16	3,338,971.35	2,982,939.28	0.9435747	0.0564253	335,942.87	20,089.20	3,150,569.03	188,402.32
0005513	Sweetwater Tap 138Kv	513,461.43	0.00	57,962.84	571,424.27	57,962.84	1 0000000	0 0000000	513,461.43	0.00	571,424.27	0.00
0005515	Tonkawa 345 KV Sw Sta	2,241,620.25	141,730.94	17,063,477.81	19,446,829.00	17,205,209.75	0.9917623	0.0082377	2,223,154.51	18,465.74	19,286,632.32	160,196.68
0005517	CREZ SWEETWATER EAST	2,434,294.01	167,554.58	13,856,697.41	16,458,546.00	14,024,251.99	0.9880525	0.0119475	2,405,210.31	29,083.70	16,261,907.72	196,638.28
0005518	CHAMPION CREEK SW STA 345KV	555,161.04	100,068.89	3,480,315.86	4,135,545.79	3,580,384.75	0.9720508	0.0279492	539,644.73	15,516.31	4,019,960.59	115,585.20
0005520	China Grove Sw Station 138/69K	1,269,504.96	1,724,635.34	5,972,771.40	8,966,911.70	7,697,406.74	0.7759459	0.2240541	985,067.20	284,437.76	6,957,838.60	2,009,073.10
0005530	Mulberry Creek Sw Sta.345Kv	192,864.36	53,735.32	2,064,001.56	2,310,601.24	2,117,736.88	0.9746261	0.0253739	187,970.63	4,893.73	2,251,972.19	58,629.05
0005532	Morgan Cr Sw Station 345/136/6	2,104,419.87	1,627,198.11	26,288,801.21	30,020,419.19	27,915,999.32	0.9417109	0.0582891	1,981,755.16	122,664.71	28,270,556.37	1,749,862.82
0005533	Morgan Creek Turbine Sw	114,227.04	50,130.68	3,462,015.47	3,626,373.19	3,512,146.15	0.9857265	0.0142735	112,596.62	1,630.42	3,574,612.09	51,761.10
0005535	Ennis Creek Sw. Station 136/6	663,493.92	0.00	2,668,538.57	3,532,032.49	2,868,538.57	1 0000000	0 0000000	663,493.92	0.00	3,532,032.49	0.00
0005536	Colorado City 69-12.5KV	19,493.52	297,741.48	600,812.71	918,047.71	898,554.19	0.6686438	0.3313562	13,034.22	6,459.30	613,846.93	304,200.78
0005537	Barber Lake Switching Station	1,471,909.23	0.00	4,234,781.59	5,706,690.82	4,234,781.59	1 0000000	0 0000000	1,471,909.23	0.00	5,706,690.82	0.00
0005538	Sweetwater Creek POI	233,924.19	113,239.85	1,502,635.73	1,849,799.77	1,615,875.58	0.9299204	0.0700796	217,530.89	16,393.30	1,720,166.62	129,633.15
0005540	Eskota 138/69-12.5Kv	697,761.10	291,151.75	7,833,545.91	8,822,458.76	8,124,697.66	0.9614646	0.0358354	672,756.56	25,004.54	8,506,302.47	316,156.29
0005543	Dunn POD	321,098.99	80,733.76	183,108.33	584,941.08	263,842.09	0.6940073	0.3059527	222,845.04	98,253.95	405,953.37	178,987.71
0005545	Bluff Creek 138Kv Sw. Station	185,254.02	0.00	1,282,176.04	1,467,430.06	1,282,176.04	1 0000000	0 0000000	185,254.02	0.00	1,467,430.06	0.00
0005546	Snyder 138/69-12.5Kv	187,419.95	829,844.11	1,582,221.13	2,599,485.19	2,412,065.24	0.6559612	0.3440388	122,940.21	64,479.74	1,705,161.34	894,323.85
0005547	SCURRY COUNTY SOUTH SW STATION	2,251,533.91	403,378.73	30,320,996.29	32,975,908.93	30,724,375.02	0.9886711	0.0131289	2,221,973.64	29,560.27	32,542,969.93	432,939.00
0005548	Sweetwater 69-12.5Kv	123,935.88	474,613.81	391,311.80	989,861.49	865,925.61	0.4519000	0.5481000	56,006.63	67,929.25	447,318.43	542,543.06
0005557	CREZ DERMOTT 345 SW STA	1,727,042.08	482,669.65	31,545,460.50	33,755,172.23	32,028,130.15	0.9849298	0.0150702	1,701,015.25	26,026.83	33,246,475.75	508,696.48
0005557	CREZ CENTRAL BLUFF SW STA	888,194.34	229,406.48	18,114,146.25	19,231,747.07	18,343,552.73	0.9874939	0.0125061	877,086.48	11,107.86	18,991,232.73	240,514.34
0005558	Lone Star Cement POD	0.00	19,807.40	0.00	19,807.40	0.0000000	1 0000000	0.00	0.00	0.00	0.00	19,807.40
0005561	Andrews County South Swtch	2,470,559.56	1,485,611.02	21,236,429.20	25,192,599.78	22,722,040.22	0.9346181	0.0653819	2,309,029.59	161,529.97	23,545,458.79	1,647,140.99
0005578	SIGNAL MOUNTAIN POD 69KV	157,611.47	68,482.75	197,183.76	423,277.98	265,666.51	0.7422229	0.2577771	116,982.84	40,628.63	314,166.60	109,111.38
0005585	White 138KV Tap	196,184.84	5,391.88	159,884.24	361,480.96	165,276.12	0.9673765	0.0326235	189,784.61	6,400.23	349,668.85	11,792.11
0005586	Ward Gulf Tap	91,407.25	0.00	91,407.25	182,814.50	91,407.25	1 0000000	0 0000000	91,407.25	0.00	182,814.50	0.00
0005587	Ward Gulf Tap West	138,924.28	0.00	138,924.33	277,848.61	138,924.33	1 0000000	0 0000000	138,924.28	0.00	277,848.61	0.00
0005588	Ward Gulf Tap South	85,692.44	0.00	85,692.51	171,384.95	85,692.51	1 0000000	0 0000000	85,692.44	0.00	171,384.95	0.00
0005589	Wickett Tap	128,509.01	25,280.51	171,276.68	325,066.20	196,557.19	0.8713834	0.1286166	111,980.62	16,528.39	283,257.30	41,808.90
0005601	Getty Tap SW Station 69KV	12,185.63	0.00	11,668.04	23,853.67	11,668.04	1 0000000	0 0000000	12,185.63	0.00	23,853.67	0.00
0005602	Andrews 69KV Sw.Station	0.00	0.00	487,205.07	487,205.07	487,205.07	1 0000000	0 0000000	0.00	0.00	487,205.07	0.00
0005605	Falcon-Seaboard Cogen Switch	20,660.95	8,938.00	1,397,974.45	1,427,573.40	1,406,912.45	0.9936471	0.0063529	20,529.69	131.26	1,418,504.14	9,069.26
0005609	Fasken Ranch POI	397,387.79	13,164.93	346,023.37	756,576.09	359,189.30	0.9633481	0.0366519	382,822.78	14,565.01	728,846.15	27,729.94
0005610	Texaco Mabee 138KV(Cust Owned)	7,064.98	19,444.42	13,926.93	40,436.33	33,371.35	0.4173319	0.5826681	2,948.44	4,116.54	16,875.37	23,560.96
0005615	Baird Lake 138KV POI	20,597.20	4,802.35	48,749.88	74,149.43	53,552.23	0.9103240	0.0896760	18,750.13	1,847.07	67,500.01	6,649.42

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 353 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 353 (T + G)	Total DIST of 353 (D + H)
0005632	Liquid Air 138	0.00	(1,115.07)	0.00	(1,115.07)	(1,115.07)	0.000000	1.000000	0.00	0.00	0.00	(1,115.07)
0005642	Wheat POD	178,929.54	77,432.78	236,011.43	492,373.75	313,444.21	0.7529615	0.2470385	134,727.06	44,202.48	370,738.49	121,635.26
0005645	Riverton Switch	3,738,443.01	781,399.26	33,870,637.67	38,390,479.94	34,652,036.93	0.9774501	0.0225499	3,654,141.57	84,301.44	37,524,779.24	865,700.70
0005652	Tunstall POD	462,346.03	66,464.99	76,778.08	605,589.10	143,243.07	0.5359986	0.4640014	247,816.81	214,529.22	324,594.89	280,994.21
0005671	Blake Draw POD	194,552.58	11,413.20	397,423.08	603,388.86	408,836.28	0.9720837	0.0279163	189,121.39	5,431.19	586,544.47	16,844.39
0005678	Ector County North Sw Sta	991,222.02	0.00	3,444,343.55	4,435,565.57	3,444,343.55	1.000000	0.000000	991,222.02	0.00	4,435,565.57	0.00
0005682	Nylon 138Kv	87,643.79	6,573.35	41,005.97	135,223.11	47,579.32	0.8618444	0.1381556	75,535.31	12,108.48	116,541.28	18,681.83
0005685	Dune Switch	996,031.12	25,708.74	2,396,790.34	3,418,530.20	2,422,499.08	0.9893875	0.0106125	985,460.75	10,570.37	3,382,251.09	36,279.11
0005694	Olefin 138Kv	216,612.60	16,911.38	704,525.99	940,049.87	723,437.37	0.9738590	0.0261410	210,950.03	5,662.47	915,476.02	24,573.85
0005708	Howden POD	359,985.75	72,657.08	204,575.24	637,218.07	277,232.32	0.7379199	0.2620801	265,640.64	94,345.11	470,215.88	167,002.19
0005716	Pegasus Tap Sw Station 69Kv	7,850.16	0.00	40,520.87	49,371.03	40,520.87	1.000000	0.000000	7,850.16	0.00	48,371.03	0.00
0005735	Orla Southwest POI	273,428.51	15,435.62	923,553.57	1,212,417.70	938,989.19	0.9835615	0.0164385	268,933.74	4,494.77	1,192,487.31	19,930.39
0005750	Salt Creek West 138KV POI	433,184.97	85,791.49	576,901.02	1,095,877.48	662,692.51	0.8705410	0.1294590	377,105.29	56,079.68	954,006.31	141,871.17
0005753	Stanton East 138 KV Sw Sta	560,002.58	49,105.26	4,276,896.46	4,886,004.30	4,326,001.72	0.9886488	0.0113512	553,645.89	6,356.69	4,830,542.35	55,461.95
0005754	Aruba POI	30,034.17	22,760.78	44,650.92	97,445.87	67,411.70	0.6623616	0.3376384	19,893.48	10,140.69	64,544.40	32,901.47
0005770	Salt Creek South 138KV POI	96,900.06	1,037.42	2,132.43	100,069.91	3,169.85	0.6727227	0.3272773	65,186.87	31,713.19	67,319.30	32,750.61
0005775	Midcrest POD	267,777.78	82,373.67	482,255.88	832,407.33	564,629.55	0.8541102	0.1458898	228,711.74	39,066.04	710,967.62	121,439.71
0005778	Wickett-Gulf (M S) 69Kv	0.00	20,416.84	28,746.42	49,163.26	49,163.26	0.5847135	0.4152865	0.00	0.00	28,746.42	20,416.84
0005794	Red Lakes Switch	1,050,566.52	0.00	2,407,654.49	3,458,221.01	2,407,654.49	1.000000	0.000000	1,050,566.52	0.00	3,458,221.01	0.00
0005795	McHalman POD	276,325.25	0.00	743,615.33	1,019,940.58	743,615.33	1.000000	0.000000	276,325.25	0.00	1,019,940.58	0.00
0005796	Penwell POD	414,049.37	37,125.43	81,371.68	532,546.48	118,497.11	0.6866976	0.3133024	284,326.71	129,722.66	365,698.39	166,848.09
0005797	Magwalt POD	470,327.59	21,894.53	100,989.22	593,211.34	122,883.75	0.8218273	0.1781727	386,528.05	83,799.54	487,517.27	105,694.07
0005801	Blockline POD	265,311.50	0.00	163,504.15	428,815.65	163,504.15	1.000000	0.000000	265,311.50	0.00	428,815.65	0.00
0005803	General Tire & Rubber 138Kv	132,147.87	10,677.26	830,088.47	972,913.60	840,765.73	0.9873006	0.0126994	130,469.67	1,678.20	960,558.14	12,355.46
0005804	Kinnebrew POI	165,708.37	0.00	98,706.64	264,415.01	98,706.64	1.000000	0.000000	165,708.37	0.00	264,415.01	0.00
0005805	Holt Sv Station 139/69Kv	2,409,847.29	95,071.11	9,018,984.82	11,523,903.22	9,114,055.93	0.9896687	0.0104313	2,384,709.54	25,137.75	11,403,694.36	120,208.86
0005806	Midkiff Sw Sta 69Kv	414,128.35	81,497.90	4,031,344.62	4,526,970.87	4,112,842.52	0.9801845	0.0198155	405,922.20	8,206.15	4,437,266.82	89,704.05
0005807	Windthorst Switching Station	590,165.55	6,342.44	3,808,739.96	4,395,247.95	3,815,082.40	0.9983375	0.0166265	579,201.05	964.50	4,387,941.01	7,306.94
0005808	Cobble Switching Station	796,489.90	0.00	5,186,405.18	5,982,895.08	5,186,405.18	1.000000	0.000000	796,489.90	0.00	5,982,895.08	0.00
0005809	Midland Basin Sw Station 69Kv	1,691.96	0.00	9,595.81	11,287.77	9,595.81	1.000000	0.000000	1,691.96	0.00	11,287.77	0.00
0005813	McKenzie Draw 138 KV Sw Sta	1,144,106.58	0.00	5,180,612.65	6,324,719.23	5,180,612.65	1.000000	0.000000	1,144,106.58	0.00	6,324,719.23	0.00
0005814	Moss Sw Station 345/138Kv	1,589,809.07	3,114,684.51	29,754,964.01	34,459,457.59	32,869,648.52	0.9052413	0.0947587	1,439,160.86	150,648.21	31,194,124.87	3,265,332.72
0005816	McIlvain POI	371,793.81	1,958.90	188,752.35	562,505.06	190,711.25	0.9897285	0.0102715	367,974.91	3,818.90	556,727.26	5,777.80
0005817	Tarzan Southwest 138KV POI	0.00	44,880.46	0.00	44,880.46	0.00	1.000000	0.000000	0.00	0.00	0.00	44,880.46
0005818	Odessa Eth Sw Sta. 345/138KV	6,854,012.29	4,611,696.63	43,158,896.21	54,624,605.13	47,770,592.84	0.9034616	0.0965384	6,192,336.91	661,675.38	49,351,233.12	5,273,372.01
0005820	Tarlen POD	0.00	31,693.36	5,592.93	37,286.29	37,286.29	0.149996	0.8500004	0.00	0.00	5,592.93	31,693.36
0005821	Permian Sw Station 138/69Kv	16,539.07	0.00	515,527.08	532,066.15	515,527.08	1.000000	0.000000	16,539.07	0.00	532,066.15	0.00
0005822	Bluff Creek Fiber Hut	194,533.94	0.00	125,102.89	319,636.83	125,102.89	1.000000	0.000000	194,533.94	0.00	319,636.83	0.00
0005823	Yucca Drive Switching Station	2,608,991.19	1,219,378.98	19,001,552.60	22,829,922.77	20,220,931.58	0.9396972	0.0603028	2,451,661.69	157,329.50	21,453,214.29	1,376,708.48
0005824	Spraberry 138/69Kv	1,948,351.89	156,152.72	10,257,051.19	12,361,555.80	10,413,203.91	0.9850044	0.0149956	1,919,135.09	29,216.80	12,176,186.28	185,369.52
0005826	Midessa South Switchyard	2,438,873.38	1,060,757.22	7,808,610.43	11,308,241.03	8,869,367.65	0.8804022	0.1195978	2,147,189.39	291,683.99	9,955,799.82	1,352,441.21
0005827	Ward Switching Station 69Kv	160,604.90	36,994.66	109,135.79	306,735.35	146,130.45	0.7468381	0.2531619	119,945.86	40,659.04	229,081.65	77,653.70
0005828	West Stanton Metering 138K	6,074.17	0.00	422.62	6,496.79	422.62	1.000000	0.000000	6,074.17	0.00	6,496.79	0.00
0005829	Wolf Switching Station	2,714,915.00	1,159,672.08	32,249,773.15	36,124,360.23	33,409,445.23	0.9652891	0.0347109	2,620,677.84	94,237.16	34,870,450.99	1,253,909.24
0005830	Crane 138/69-12.5KV	272,564.07	361,544.38	1,262,442.10	1,896,550.55	1,623,986.48	0.7773723	0.2226277	211,883.76	60,680.31	1,474,325.86	422,224.69
0005833	Midland East 345/138-12 5KV	2,036,005.12	3,447,896.04	12,405,522.26	17,889,423.42	15,853,418.30	0.7825140	0.2174860	1,593,202.57	442,802.55	13,998,724.83	3,890,698.59
0005834	Midland Northwest Sw Sta	2,637,563.24	1,828,928.94	20,883,618.39	25,350,110.57	22,712,547.33	0.9194750	0.0805250	2,425,173.34	212,389.90	23,308,791.73	2,041,318.84
0005836	Andrews North 138/69-12.5KV	1,624,020.76	4,129,834.60	14,659,639.60	20,413,494.96	18,789,474.20	0.7802049	0.2197951	1,267,068.93	356,951.83	15,926,708.53	4,486,786.43

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
TCOS ALLOCATION OF FERC ACCOUNT 353 WITHOUT NTUSU  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 353 (T + G)	Total DIST of 353 (D + H)
0005837	Scharbauer 138 kV POI	0.00	26,122.88	0.00	26,122.88	26,122.88	0.000000	1.000000	0.00	0.00	0.00	26,122.88
0005838	Elkins Road POD	52,531.37	121,670.81	153,785.43	327,987.61	275,456.24	0.5582935	0.4417065	29,327.92	23,203.45	183,113.35	144,874.26
0005840	No Trees 138 kV Sw Sta	526,850.46	950.49	2,057,849.54	2,585,650.49	2,058,800.03	0.9995383	0.0004617	526,607.23	243.23	2,584,456.77	1,193.72
0005842	Odessa North 138/69-12 5kV	2,152,264.53	6,106,975.08	10,769,645.51	19,028,885.12	16,876,620.59	0.6381399	0.3618601	1,373,445.94	778,818.59	12,143,091.45	6,885,793.67
0005843	Anderson Ranch POI	259,098.90	76,355.82	475,392.56	810,847.28	551,748.38	0.8616112	0.1383888	223,242.50	35,856.40	698,635.06	112,212.22
0005845	Wink 138/69-12 5kV	2,829,048.68	2,861,685.85	17,965,859.76	23,656,594.29	20,827,545.61	0.8626009	0.1373991	2,440,339.96	388,708.72	20,406,199.72	3,250,394.57
0005846	Crane North POI	0.00	25,243.89	0.00	25,243.89	25,243.89	0.000000	1.000000	0.00	0.00	0.00	25,243.89
0005847	Notrees Southeast POI	0.00	32,147.85	0.00	32,147.85	32,147.85	0.000000	1.000000	0.00	0.00	0.00	32,147.85
0005848	Notrees South POI	0.00	22,815.01	0.00	22,815.01	22,815.01	0.000000	1.000000	0.00	0.00	0.00	22,815.01
0005851	Whalen Lake 69kV POI	0.00	(4,430.88)	0.00	(4,430.88)	(4,430.88)	0.000000	1.000000	0.00	0.00	0.00	(4,430.88)
0005852	Headlee 138 KV POI	0.00	(19,452.09)	0.00	(19,452.09)	(19,452.09)	0.000000	1.000000	0.00	0.00	0.00	(19,452.09)
0005854	Cottonwood Road Switching Sta	384,305.49	37,204.80	2,516,704.34	2,938,214.63	2,553,909.14	0.9854322	0.0145678	378,707.01	5,598.48	2,895,411.35	42,803.28
0005855	Yukon Switch Station	1,424,920.26	0.00	5,262,836.21	6,687,756.47	5,262,836.21	1.000000	0.000000	1,424,920.26	0.00	6,687,756.47	0.00
0005857	Aroya Switch	1,043,426.79	0.00	4,291,522.52	5,334,949.31	4,291,522.52	1.000000	0.000000	1,043,426.79	0.00	5,334,949.31	0.00
0005860	Threemile Draw Switch	71,400.88	13,238.90	205,264.25	289,904.03	218,503.15	0.9394109	0.0605891	67,074.77	4,326.11	272,339.02	17,565.01
0005861	Sand Tank POD	424,008.75	1,577.61	64,956.11	490,542.47	66,533.72	0.9762886	0.0237114	413,954.89	10,053.86	478,911.00	11,631.47
0005863	Riley Fiber Hub	198,724.41	70,542.28	0.00	269,266.69	70,542.28	0.000000	1.000000	0.00	198,724.41	0.00	269,266.69
0005864	Edith Clarke Fiber Hub	170,482.45	86,412.46	2,655.68	259,550.59	89,068.14	0.0298163	0.9701837	5,083.15	165,399.30	7,738.83	251,811.76
0005866	Riley to Krum West Repeater	116,559.90	0.00	8,325.65	124,885.55	8,325.65	1.000000	0.000000	116,559.90	0.00	124,885.55	0.00
0005867	Clear Crossing Fiber Hub	212,112.46	120,684.52	14,628.38	347,425.36	135,312.90	0.1081078	0.8918922	22,931.01	189,181.45	37,559.39	309,865.97
0005870	Halley POD	154,629.38	0.00	1,377,801.33	1,532,430.71	1,377,801.33	1.000000	0.000000	154,629.38	0.00	1,532,430.71	0.00
0005872	Pelican Spring POD	1,584.33	17,847.22	63,707.07	83,138.62	81,554.29	0.7811615	0.2188385	1,237.62	346.71	64,944.69	18,193.93
0005873	Horseshoe Draw STATCOM	2,929,465.47	237,542.04	29,455,220.42	32,622,227.93	29,692,762.46	0.9920000	0.0080000	2,906,029.75	23,435.72	32,361,250.17	260,977.76
0005875	Ceramic 138-12.5kV	112,346.99	40,205.49	582,425.42	734,977.90	622,630.91	0.9354264	0.0645736	105,092.35	7,254.64	687,517.77	47,460.13
0005879	Lindley Ranch POD	148,244.80	0.00	1,434,665.67	1,582,910.47	1,434,665.67	1.000000	0.000000	148,244.80	0.00	1,582,910.47	0.00
0005880	Reeton POD	254,185.03	31,347.29	165,528.50	451,060.82	196,875.79	0.8407763	0.1592237	213,712.75	40,472.28	379,241.25	71,819.57
0005886	Rudd POD	232,195.57	0.00	893,403.44	1,125,599.01	893,403.44	1.000000	0.000000	232,195.57	0.00	1,125,599.01	0.00
0005887	Barkett POD	443,345.01	2,356.37	107,279.85	552,981.23	109,636.22	0.9785074	0.0214926	433,816.36	9,528.65	541,096.21	11,885.02
0005888	Pecone POD	407,443.42	17,377.72	100,608.66	525,429.80	117,988.38	0.8527142	0.1472858	347,432.78	60,010.64	448,041.44	77,388.36
0005891	Arroyo Bluff POD	575,247.59	99,195.18	109,635.50	784,078.27	208,830.68	0.5249971	0.4750029	302,003.31	273,244.28	411,638.81	372,439.46
0005893	Toysham POD	9,779.35	11,763.60	17,826.45	39,369.40	29,590.05	0.6024474	0.3975526	5,891.54	3,867.81	23,717.99	15,651.41
0005897	Horseshoe Springs Switch	1,519,484.18	0.00	15,771,018.58	17,290,502.76	15,771,018.58	1.000000	0.000000	1,519,484.18	0.00	17,290,502.76	0.00
0005908	Ppg 138-12.5kV	831,401.24	39,693.61	1,143,410.20	2,014,505.05	1,183,103.81	0.9664496	0.0335504	803,507.39	27,893.85	1,946,917.59	67,587.46
0005929	Cook Field Rd 345 kV Sw Sta	748,060.16	123,328.57	2,700,407.24	3,571,795.97	2,823,735.81	0.9563243	0.0436757	715,388.13	32,672.03	3,415,795.37	156,000.60
0005934	Navajo POD	413,756.63	36,472.08	89,934.96	540,163.67	126,407.04	0.7114711	0.2885289	294,375.90	119,380.73	384,310.86	155,852.81
0005935	Pecos Trail POD	156,564.42	0.00	562,092.70	718,657.12	562,092.70	1.000000	0.000000	156,564.42	0.00	* 718,657.12	0.00
0005940	Old Lake Switch	10,585.51	8,660.84	0.00	19,246.35	8,660.84	0.000000	1.000000	0.00	10,585.51	0.00	19,246.35
0005941	Arena Tap	20,901.54	0.00	959.70	21,861.24	959.70	1.000000	0.000000	20,901.54	0.00	21,861.24	0.00
0005944	Baylor Switching Station 6	41.36	23.18	70,357.32	70,421.86	70,380.50	0.9996706	0.0003294	41.35	0.01	70,398.67	23.19
0005945	Oxford 138KV POD	0.00	13,444.99	3,361.24	16,806.23	16,806.23	0.999996	0.8000004	0.00	0.00	3,361.24	13,444.99
0005948	Bowl Service Sw.Station 69kV	165,420.02	137.89	124,860.84	290,418.75	124,998.73	0.9988969	0.0011031	165,237.54	182.48	290,098.38	320.37
0005952	Bowman Sw.Station 345/138kV	2,987,899.06	1,638,830.98	20,356,623.53	24,983,353.57	21,995,454.51	0.9254923	0.0745077	2,765,277.54	222,621.52	23,121,901.07	1,861,452.50
0005956	Decatur 69kV	37,490.21	0.00	48,647.08	86,137.29	48,647.08	1.000000	0.000000	37,490.21	0.00	86,137.29	0.00
0005958	Fisher Rd Sw Station 345/1	252,483.05	398,368.42	5,607,320.06	6,258,171.53	6,005,688.48	0.9336682	0.0663318	235,735.38	16,747.67	5,843,055.44	415,116.09
0005964	Lake Wichita 138/69kV	303,614.32	29,997.30	3,160,326.28	3,493,847.90	3,190,233.58	0.9906254	0.0093746	300,768.04	2,846.28	3,461,094.32	32,753.58
0005965	Balding 138 KV POD	12,657.07	50,628.36	0.00	63,285.43	50,628.36	0.000000	1.000000	0.00	12,657.07	0.00	63,285.43
0005966	Hopewell Sw Station 69kV	81,540.97	47,774.29	544,102.73	673,417.99	591,877.02	0.9192834	0.0807166	74,959.26	6,581.71	619,061.99	54,356.00
0005968	Navy Kickapoo Sw Station 136/6	124,026.16	50,690.62	1,177,632.66	1,352,349.44	1,228,323.28	0.9587319	0.0412681	118,907.83	5,118.33	1,296,540.49	55,808.95

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 353 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 353 (T + G)	Total DIST of 353 (D + H)
0005969	Navy Lake 69-2.4Kv POD	0.00	85,324.13	364,266.61	449,590.74	0.8102182	0.1897818	0.00	0.00	364,266.61	85,324.13	
0005970	Beaver Creek Substation	171,231.60	10,055.02	990,743.78	1,172,030.40	1,000,798.80	0.9899530	0.0100470	169,511.24	1,720.36	1,180,255.02	11,775.38
0005972	Pleasant Valley,138/69Kv	282,582.95	121,518.49	4,488,638.52	4,892,739.96	4,610,157.01	0.9736411	0.0263589	275,134.39	7,448.56	4,763,772.91	128,967.05
0005973	Culberson Switching Station	1,032,925.82	0.00	4,949,091.73	5,982,107.55	4,949,091.73	1.0000000	0.0000000	1,032,925.82	0.00	5,982,017.55	0.00
0005975	Shin Oak POD	575,704.70	45,827.60	244,619.06	866,151.36	290,446.66	0.8422168	0.1577832	484,868.18	90,836.52	729,487.24	136,664.12
0005976	South Wichita Sw Station 138Kv	137,403.16	47,896.82	1,527,808.26	1,713,108.24	1,575,705.08	0.9696029	0.0303971	133,226.51	4,176.65	1,661,034.77	52,073.47
0005977	Trail Junction POD	361,904.96	87,140.23	162,042.43	611,087.62	249,182.66	0.6502958	0.3497042	235,345.26	126,559.70	397,387.69	213,699.93
0005978	Railside Switch	182,526.35	26,899.45	604,859.20	814,285.00	631,758.65	0.9574213	0.0425787	174,754.62	7,771.73	779,613.82	34,671.18
0005982	Exxon Means POD	8,414.06	66,105.72	13,199.29	87,719.07	79,305.01	0.1664370	0.8335630	1,400.41	7,013.65	14,599.70	73,119.37
0005983	Sand Lake Switching Station	3,094,105.59	592,814.01	26,134,547.78	29,821,467.38	26,727,361.79	0.9778200	0.0221800	3,025,478.20	68,627.39	29,160,025.98	661,441.40
0005984	Burnett Switch	1,147,623.77	679,450.37	8,038,361.59	9,865,435.73	8,717,811.96	0.9220618	0.0779382	1,058,180.07	89,443.70	9,096,541.66	768,894.07
0005985	Holliday 69-12.5KV	1,534,373.12	625,546.20	4,595,034.79	6,754,954.11	5,220,580.99	0.8801769	0.1198231	1,350,519.78	183,853.34	5,945,554.57	809,399.54
0005986	Nelson Switch	814,949.57	0.00	2,479,527.61	3,294,477.18	2,479,527.61	1.0000000	0.0000000	814,949.57	0.00	3,294,477.18	0.00
0005987	N. Wichita Falls 69-12.5Kv	348,727.35	67,687.01	1,124,668.86	1,541,083.22	1,192,355.87	0.9432325	0.0567675	328,930.99	19,796.36	1,453,599.85	87,483.37
0005990	Wichita Falls 138/69-12.5KV	178,769.49	1,239,293.69	2,143,445.69	3,561,508.87	3,382,739.38	0.6336420	0.3663580	113,275.85	65,493.64	2,256,721.54	1,304,787.33
0005991	Wichita Falls Co-Gen 138Kv	37,539.18	21,600.87	544,757.86	603,897.91	566,358.73	0.9618601	0.0381399	36,107.44	1,431.74	580,865.30	23,032.61
0005992	Hilltop Switching Station 69Kv	106,169.27	24,866.00	859,651.42	990,686.69	884,517.42	0.9718875	0.0281125	103,184.59	2,984.68	962,836.01	27,850.68
0005993	Blackbird Switch	851,166.10	0.00	2,415,319.99	3,266,486.09	2,415,319.99	1.0000000	0.0000000	851,166.10	0.00	3,266,486.09	0.00
0005995	Winthorst 138Kv	0.00	0.00	50,174.01	50,174.01	50,174.01	1.0000000	0.0000000	0.00	50,174.01	0.00	0.00
0007637	Quail 345 KV Switching Station	590,137.40	1,502.99	3,961,802.00	4,553,442.39	3,963,304.99	0.9996208	0.0003792	589,913.60	223.80	4,551,715.60	1,726.79
0101315	Ferris,69Kv	332,531.32	713,270.33	870,395.77	1,916,197.42	1,583,666.10	0.5496081	0.4503919	182,761.92	149,769.40	1,053,157.69	863,039.73
0101365	Caddo Mills Explorer Tap	13,463.98	41,536.00	0.00	54,999.98	41,536.00	0.0000000	1.0000000	0.00	13,463.98	0.00	54,999.98
0101401	Cedar Hill, 138Kv	1,101,219.01	1,351,708.61	3,653,212.72	6,106,140.34	5,004,921.33	0.7299241	0.2700759	803,806.30	297,412.71	4,457,019.02	1,649,121.32
0101403	Perrin Tap Sw., 138 KV	148,878.03	125,022.87	160,442.54	434,343.44	285,465.41	0.5620385	0.4379615	83,675.18	65,202.85	244,117.72	190,225.72
0101412	Plano, West 138kv	1,252,125.46	3,430,475.08	6,730,220.38	11,412,820.92	10,160,695.46	0.6623779	0.3376221	829,380.26	422,745.20	7,559,600.64	3,853,220.28
0101415	Richardson, East 138Kv	567,932.54	2,406,783.60	3,259,461.19	6,234,177.33	5,666,244.79	0.5752419	0.4247581	326,698.57	241,233.97	3,566,159.76	2,648,017.57
0101416	Desoto Switching Station,138Kv	1,209,832.75	442,066.41	14,394,418.47	16,046,317.63	14,836,484.88	0.9702041	0.0297959	1,173,784.70	36,048.05	15,568,203.17	478,114.46
0101417	Wilmer, 138Kv	195,641.94	146,844.71	772,466.93	1,114,953.58	913,911.84	0.8402667	0.1597333	164,391.40	31,250.54	936,858.33	178,095.25
0101419	Mesquite, East 138Kv	145,760.14	37,930.87	1,513,268.14	1,696,959.15	1,551,199.01	0.9755474	0.0244526	142,195.92	3,564.22	1,655,464.06	41,495.09
0101420	Plano,Arco Sw Station,138Kv	(662,211.73)	118,278.72	471,874.15	(72,058.66)	590,152.87	0.7995795	0.2004205	(529,490.94)	(132,720.79)	(57,616.79)	(14,442.07)
0101431	Norwood 345 KV Switching Sta	2,232,927.81	2,586,560.81	17,082,497.21	21,901,985.83	19,669,058.02	0.8684959	0.1315041	1,939,288.76	293,639.05	19,021,785.97	2,880,199.86
0101432	Richardson Spring Valley,138Kv	945,149.17	1,825,375.50	1,760,841.17	4,531,365.84	3,586,216.67	0.4910024	0.5089976	464,070.56	481,078.61	2,224,911.73	2,306,454.11
0101433	Waxahachie,138Kv	567,114.06	5,126,701.98	1,924,941.05	7,618,757.09	7,051,643.03	0.2729777	0.7270223	154,809.47	412,304.59	2,079,750.52	5,539,006.57
0101440	Ennis West 138kv Switching Sta	715,118.41	55,237.41	4,475,512.73	5,245,868.55	4,530,750.14	0.9878083	0.0121917	706,399.92	8,718.49	5,181,912.65	63,955.90
0101447	Sterrett,Sw Station 138Kv	1,533,926.79	3,630,510.98	4,132,309.15	9,296,746.92	7,762,820.13	0.5323206	0.4676794	816,540.85	717,385.94	4,948,850.00	4,347,896.92
0101492	Terrell Switching Sta.138Kv	533,441.02	795,890.09	2,764,642.28	4,093,973.39	3,560,532.37	0.7764688	0.2235312	414,200.31	119,240.71	3,178,842.59	915,130.80
0101501	Forney 345Kv	2,647,619.58	2,812,245.97	12,477,935.66	17,937,801.21	15,290,181.63	0.8160750	0.1839250	2,160,656.27	486,963.31	14,638,591.93	3,299,209.28
0101502	Carrollton, N.W. 345Kv	1,232,127.89	2,302,906.46	23,008,450.00	26,543,484.35	25,311,356.46	0.9090169	0.0909831	1,120,025.04	112,102.85	24,128,475.04	2,415,009.31
0101503	Venus Sw. Sta.,345Kv	1,947,607.73	3,885,974.11	36,327,279.41	42,160,861.25	40,213,253.52	0.9033658	0.0966342	1,759,402.29	188,205.44	38,086,681.70	4,074,179.55
0101504	De Cordova, 345Kv	648,194.47	27 45	7,985,064.09	8,633,286.01	7,985,091.54	0.9999666	0.0000034	648,192.24	2.23	8,633,256.33	29.68
0101505	Allen Sw Station,345Kv	2,511,900.64	3,139,647.83	21,562,801.98	27,214,350.45	24,702,449.81	0.8729014	0.1270986	2,192,641.48	319,259.16	23,755,443.46	3,458,906.99
0101506	Liggett,345Kv	2,351,127.78	3,282,688.30	27,146,958.84	32,780,774.92	30,429,647.14	0.8921220	0.1078780	2,097,492.91	253,634.87	29,244,451.75	3,536,323.17
0101507	Hackberry,345Kv	1,674,639.04	5,780,644.02	8,689,283.67	16,144,566.73	14,469,927.69	0.6005064	0.3994936	1,005,631.40	669,007.64	9,694,915.07	6,449,651.66
0101508	Royse City Switch Station	2,515,889.45	6,060,677.31	25,534,809.31	34,111,376.07	31,595,486.62	0.8081790	0.1918210	2,033,289.06	482,600.39	27,568,098.37	6,543,277.70
0101509	Farmersville Switching Station	987,007.24	90,824.36	9,033,584.66	10,111,416.26	9,124,409.02	0.9900460	0.0099540	977,182.57	9,824.67	10,010,767.23	100,649.03
0101510	Renner Switching Station	14,335,641.83	26,571,559.57	63,098,845.94	104,006,047.34	89,670,405.51	0.7036753	0.2963247	10,087,636.50	4,248,005.33	73,186,482.44	30,819,564.90
0101511	Roanoke Switch Sta. 138/345Kv	2,348,248.96	4,449,753.69	22,920,023.38	29,718,026.03	27,369,777.07	0.8374209	0.1625791	1,966,472.76	381,776.20	24,886,496.14	4,831,529.89
0101512	Seagoville,345Kv	491,170.88	916,241.44	9,939,514.80	11,346,927.12	10,855,756.24	0.9155986	0.0844014	449,715.35	41,455.53	10,389,230.15	957,696.97

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
TCOS ALLOCATION OF FERC ACCOUNT 353 WITHOUT NTUSU  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 353 (T + G)	Total DIST of 353 (D + H)
0101515	Johnson Sw. Sta., 345Kv	757,810.75	0.00	4,099,089.58	4,856,900.33	4,099,089.58	1.0000000	0.0000000	757,810.75	0.00	4,856,900.33	0.00
0101516	Lewisville Switch Station 345K	0.00	0.00	583,432.87	583,432.87	583,432.87	1.0000000	0.0000000	0.00	0.00	583,432.87	0.00
0101517	Lavon Switching Station 345KV	547,768.38	61,557.70	2,512,891.35	3,122,217.43	2,574,449.05	0.9760890	0.0239110	534,670.68	13,097.70	3,047,562.03	74,655.40
0101518	Plano - Tennyson Parkway 345KV	1,676,357.47	4,452,730.76	14,983,492.14	21,112,580.37	19,436,222.99	0.7709056	0.2290944	1,292,313.28	384,044.19	16,275,805.42	4,836,774.95
0101521	Cash Switch	815,565.70	0.00	4,843,260.56	5,658,826.26	4,843,260.56	1.0000000	0.0000000	815,565.70	0.00	5,658,826.26	0.00
0101530	Nash East POI	0.00	82,833.33	0.00	82,833.33	82,833.33	0.0000000	1.0000000	0.00	0.00	0.00	82,833.33
0101534	Kemper Ranch Switch	1,759,430.05	287,206.23	9,300,751.24	11,347,387.52	9,587,957.47	0.9700451	0.0295949	1,706,726.51	52,703.54	11,007,477.75	339,909.77
0101603	Ennis Sw Sta	180,306.04	4,573.08	1,768,664.83	1,953,543.95	1,773,237.91	0.9974211	0.0025789	179,841.04	465.00	1,948,505.87	5,038.08
0101607	Coppell 138Kv	286,120.37	4,104,464.85	957,067.18	5,347,652.40	5,061,532.03	0.1890865	0.8109135	54,101.49	232,018.88	1,011,168.67	4,336,483.73
0101624	Carrollton, E. 138Kv S/Sta.	526,495.16	0.00	4,957,367.78	5,483,862.94	4,957,367.78	1.0000000	0.0000000	526,495.16	0.00	5,483,862.94	0.00
0101632	Denison Dam 138kv	0.00	1,798.80	0.00	1,798.80	1,798.80	0.0000000	1.0000000	0.00	0.00	0.00	1,798.80
0101637	Ables Springs 138KV POI	327,038.67	39,893.83	473,352.00	840,284.50	513,245.83	0.9222715	0.0777285	301,618.44	25,420.23	774,970.44	65,314.06
0101913	Central Dlv Dispatch Center	190,560.34	0.00	17,581.73	208,142.07	17,581.73	1.0000000	0.0000000	190,560.34	0.00	208,142.07	0.00
0101915	Rio Vista 69Kv (Tnp)	354.31	4,139.55	8,251.17	12,745.03	12,390.72	0.6659153	0.3340847	235.94	118.37	8,487.11	4,257.92
0101916	Dp&L Dispatch Office,69Kv	0.00	0.00	4,165.61	4,165.61	4,165.61	1.0000000	0.0000000	0.00	0.00	4,165.61	0.00
0101917	Lewisville,Tnp,138KV	422.18	0.00	0.00	422.18	0.00	0.8900680	0.109320	375.77	46.41	375.77	46.41
0101920	Highland (Tnp),138Kv	30.01	0.00	12,489.02	12,519.03	12,489.02	1.0000000	0.0000000	30.01	0.00	12,519.03	0.00
0101921	Ennis Pump Tap Bepci Pod	(92,346.95)	0.00	92,346.95	0.00	92,346.95	1.0000000	0.0000000	(92,346.95)	0.00	0.00	0.00
0101923	Holnam (BEPCL) POD, 138KV	1,202.94	0.00	34,625.03	35,827.97	34,625.03	1.0000000	0.0000000	1,202.94	0.00	35,827.97	0.00
0101926	Lewisville Lake Pointe Tnp	0.00	27,779.64	38.50	27,818.14	27,818.14	0.0013840	0.9986160	0.00	0.00	38.50	27,779.64
0101930	Lewisville Jones St	0.00	0.00	19,924.10	19,924.10	19,924.10	1.0000000	0.0000000	0.00	0.00	19,924.10	0.00
0101931	Waxahachie Pump #2	33,130.16	28,774.83	153,113.40	215,018.39	181,888.23	0.8417994	0.1582006	27,888.95	5,241.21	181,002.35	34,016.04
0101932	Lavon Pump (Ntmgwd) 138Kv	44,935.47	67,882.76	313,987.34	426,805.57	381,870.10	0.8222360	0.1777640	36,947.56	7,987.91	350,934.90	75,870.67
0101933	Rose Hill (Kee) 138Kv Pod	3,959.78	45,531.17	143,495.87	192,986.82	189,027.04	0.7591288	0.2408712	3,005.98	953.80	146,501.85	46,484.97
0101934	Lavon Pump #2, POI (NTMWD)	164,527.00	84,536.24	218,760.77	467,824.01	303,297.01	0.7212757	0.2787243	118,669.33	45,857.67	337,430.10	130,393.91
0101936	Oak Grove Kcec 138Kv Pod	311.09	0.37	171,465.30	171,776.76	171,465.67	0.9999978	0.0000022	311.09	0.00	171,776.39	0.37
0101937	Tricorner (Dp&L) 345Kv Pod	19,012.41	2,095.64	15,162.78	36,270.83	17,258.42	0.8785729	0.1214271	16,703.79	2,308.62	31,866.57	4,404.26
0101938	Terrell Airco 138Kv P.O.D.	31,325.47	8,600.85	93,605.74	133,532.06	102,206.59	0.91568484	0.0841516	28,689.38	2,636.09	122,295.12	11,236.94
0101939	Black Land Sw Station Pod	0.00	0.00	15,214.47	15,214.47	15,214.47	1.0000000	0.0000000	0.00	0.00	15,214.47	0.00
0101941	MG Industries-Waxahachie 138KV	90,739.02	49,936.96	164,079.01	304,754.99	214,015.97	0.7666671	0.233329	69,566.62	21,172.40	233,645.63	71,109.36
0101942	Matheson Tri-Gas POD, 138kv	0.00	6,100.03	0.00	6,100.03	6,100.03	1.0000000	0.0000000	0.00	0.00	0.00	6,100.03
0101943	Blackland Switch	743,135.25	0.00	3,620,772.53	4,363,907.78	3,620,772.53	1.0000000	0.0000000	743,135.25	0.00	4,363,907.78	0.00
0201401	Crockett,138Kv	2,524,546.34	1,691,907.77	6,693,362.04	10,909,816.15	8,385,269.81	0.7982286	0.2017714	2,015,165.05	509,381.29	8,708,527.09	2,201,289.06
0201407	Jacksonville 138 KV	1,336,756.89	70,585.74	4,875,812.63	6,283,155.26	4,946,398.37	0.9857299	0.0142701	1,317,681.20	19,075.69	6,193,493.83	89,661.43
0201409	Lufkin,138Kv	495,329.80	1,783,322.75	3,958,036.81	6,236,689.36	5,741,359.56	0.6893902	0.3106098	341,475.49	153,854.31	4,299,512.30	1,937,177.06
0201410	Nacogdoches,138Kv	17,789.61	0.00	5,792.60	23,582.21	5,792.60	1.0000000	0.0000000	17,789.61	0.00	23,582.21	0.00
0201411	Tyler, Southeast 138Kv	81,805.57	0.00	323,993.02	405,798.59	323,993.02	1.0000000	0.0000000	81,805.57	0.00	405,798.59	0.00
0201413	Palestine, South 138Kv	340,172.95	691,811.47	1,361,284.47	2,393,268.89	2,053,095.94	0.6630399	0.3369601	225,548.23	114,624.72	1,586,832.70	806,436.19
0201419	Tyler Switching Station 138 Kv	1,013,222.06	0.00	5,853,326.25	6,866,548.31	5,853,326.25	1.0000000	0.0000000	1,013,222.06	0.00	6,866,548.31	0.00
0201422	Tyler, Northwest 138Kv	386,644.16	1,313,815.65	2,266,822.78	3,967,282.59	3,580,638.43	0.6330778	0.3669222	244,775.84	141,868.32	2,511,598.62	1,455,683.97
0201435	Dialville 138 KV	438,364.15	618,759.87	2,652,571.37	3,709,695.39	3,271,331.24	0.8108538	0.1891462	355,449.24	82,914.91	3,008,020.61	701,674.78
0201438	Diboll,138Kv	547,346.71	1,381,422.86	1,312,801.83	3,241,571.40	2,694,224.69	0.4872652	0.5127348	266,702.98	280,643.73	1,579,504.81	1,662,066.59
0201439	Palestine,138Kv	323,205.48	700,301.27	1,963,343.12	2,986,849.87	2,663,644.39	0.7370891	0.2629109	238,231.22	84,974.26	2,201,574.34	785,275.53
0201441	Mankin Switch	(179,282.76)	0.00	(348,732.70)	(528,015.46)	(348,732.70)	1.0000000	0.0000000	(179,282.76)	0.00	(528,015.46)	0.00
0201443	Tyler, West 138Kv	478,772.47	952,782.35	3,077,020.03	4,508,574.85	4,029,802.38	0.7635660	0.2364340	365,574.37	113,198.10	3,442,594.40	1,065,980.45
0201458	Holly Ervin POD	394,723.86	0.00	1,112,642.82	1,507,366.68	1,112,642.82	1.0000000	0.0000000	394,723.86	0.00	1,507,366.68	0.00
0201461	Athens 138 KV	464,937.87	2,402,044.74	2,130,980.73	4,997,963.34	4,533,025.47	0.4701012	0.5298988	218,567.85	246,370.02	2,349,548.58	2,648,414.76
0201468	Diboll So Pine,	58,238.93	0.00	119,047.59	177,286.52	119,047.59	1.0000000	0.0000000	58,238.93	0.00	177,286.52	0.00

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
TCOS ALLOCATION OF FERC ACCOUNT 353 WITHOUT NTUSU  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 353 (T + G)	Total DIST of 353 (D + H)
0201470	Big Brown Tap,138Kv	89,187.80	2,943.27	451,987.51	544,118.58	454,930.78	0.9935303	0.0064697	88,610.78	577.02	540,598.29	3,520.29
0201475	Palestine Sw Station Alcoa P	37,528.58	0.00	0.00	37,528.58	0.00	0.8900680	0.1099320	33,402.99	4,125.59	33,402.99	4,125.59
0201476	Overton 138 KV	174,164.82	672,315.00	1,838,006.93	2,684,486.75	2,510,321.93	0.7321798	0.2678202	127,519.96	46,644.86	1,965,526.89	718,959.86
0201477	Long Lake Tap Sw Station 138Kv	60,041.53	0.00	232,709.04	292,750.57	232,709.04	1.0000000	0.0000000	60,041.53	0.00	292,750.57	0.00
0201481	Reed 138 KV P O.I.	169,215.83	45,562.83	591,458.28	806,236.94	637,021.11	0.9284752	0.0715248	157,112.70	12,103.13	748,570.98	57,665.96
0201482	Gresham Road Switching Station	561,988.69	32,183.26	2,331,866.17	2,926,038.12	2,364,049.43	0.9863864	0.0136136	554,337.99	7,650.70	2,886,204.16	39,833.96
0201483	Swan POI	0.00	18,110.88	0.00	18,110.88	18,110.88	0.0000000	1.0000000	0.00	0.00	0.00	18,110.88
0201501	Stryker Creek,345Kv	1,508,280.28	2,084,263.75	13,482,371.35	17,074,915.38	15,586,635.10	0.8661070	0.1338930	1,306,332.08	201,948.20	14,788,703.43	2,286,211.95
0201504	Elkton,345Kv	820,755.40	6,260,276.40	9,768,889.82	16,849,923.62	16,029,168.22	0.6094446	0.3905554	500,204.94	320,550.46	10,269,094.76	6,580,828.86
0201505	Lufkin Sw. Station 345Kv	2,950,238.60	2,854.79	16,644,728.06	19,597,821.45	16,647,582.85	0.9998285	0.0001715	2,949,732.68	505.92	19,594,460.74	3,360.71
0201506	Shamburger Sw. Station,345Kv	416,843.74	214,934.45	8,832,826.03	9,464,604.22	9,047,760.48	0.9762445	0.0237555	406,941.39	9,902.35	9,239,767.42	224,836.80
0201507	Mt.Enterprise,345Kv	16,086.86	2,433.91	223,591.10	242,111.87	226,025.01	0.9892317	0.0107683	15,913.63	173.23	239,504.73	2,607.14
0201508	Martin Lake,345Kv	1,632,696.73	637,898.49	19,422,107.31	21,692,702.53	20,060,005.80	0.9682005	0.0317995	1,580,777.76	51,918.97	21,002,885.07	689,817.46
0201509	Herty, North 345Kv	209,425.42	38,489.59	1,216,896.86	1,464,811.87	1,255,386.45	0.9693404	0.0306596	203,004.53	6,420.89	1,419,901.39	44,910.48
0201510	Nacogdoches, Southeast 345Kv	1,899,437.60	2,032,521.42	17,769,323.64	21,701,282.66	19,801,845.06	0.8973570	0.1026430	1,704,473.57	194,964.03	19,473,797.21	2,227,485.45
0201511	Jewett 345Kv	3,468,715.34	4,980,787.81	34,120,459.80	42,569,962.95	39,101,247.61	0.8726182	0.1273818	3,026,884.09	441,851.25	37,147,323.89	5,422,639.06
0201512	Nucor 345Kv	0.00	63,221.83	0.00	63,221.83	63,221.83	0.0000000	1.0000000	0.00	0.00	0.00	63,221.83
0201513	Blg Brown, 345Kv	1,609,052.55	9,584.77	6,642,425.50	8,261,062.82	6,652,010.27	0.9985591	0.0014409	1,606,734.09	2,318.46	8,249,159.59	11,903.23
0201514	Forest Grove,345Kv	717,847.39	473,802.15	5,939,115.87	7,130,765.41	6,412,918.02	0.9261175	0.0738825	664,811.06	53,036.33	6,603,926.93	526,838.48
0201515	Mt. Enterprise 345 Kv Swift Sta	708,424.03	36,763.05	4,793,023.06	5,538,210.14	4,829,786.11	0.9923883	0.0076117	703,031.69	5,392.34	5,496,054.75	42,155.39
0201517	Tyler Grande 345/138 KV	1,722,727.22	285,908.88	13,394,413.64	15,403,049.74	13,680,322.52	0.9791007	0.0208993	1,686,723.46	36,003.76	15,081,137.10	321,912.64
0201518	Black Fork Switch	1,700,672.06	364,613.79	3,443,264.52	5,508,550.37	3,807,878.31	0.9042475	0.0957525	1,537,828.49	162,843.57	4,981,093.01	527,457.36
0201520	Blackburn Switch	956,661.01	0.00	2,565,847.20	3,522,508.21	2,565,847.20	1.0000000	0.0000000	956,661.01	0.00	3,522,508.21	0.00
0201902	Diboll Southern Pine 69Kv	24,690.86	10,500.35	48,307.61	83,498.82	58,807.96	0.8214468	0.1785532	20,282.23	4,408.63	68,589.84	14,908.98
0201904	Montalba Rea (Nee),69Kv	79.50	3,549.70	59,645.03	63,274.23	63,194.73	0.9438292	0.0561708	75.03	4.47	59,720.06	3,554.17
0201910	Eastern Division Dispatch	197,551.25	5,915.31	59,169.96	262,636.52	65,085.27	0.9091145	0.0908855	179,596.70	17,954.55	238,766.66	23,869.86
0201912	Troup 138 KV	161,322.45	18,180.02	1,264,387.82	1,443,890.29	1,282,567.84	0.9858253	0.0141747	159,035.75	2,286.70	1,423,423.57	20,466.72
0201917	Bayou Loco Detc Pod	62,341.00	108,291.87	341,687.37	512,320.24	449,979.24	0.7593403	0.2406597	47,338.03	15,002.97	398,025.40	123,294.84
0201918	Lufkin Pershing St,138Kv	340,922.53	45,646.19	1,723,851.89	2,110,420.61	1,769,498.08	0.9742039	0.0257961	332,128.05	8,794.48	2,055,979.94	54,440.67
0201920	Fairfield Ses Swesco 69Kv	1,981.54	7,132.69	9,576.84	18,691.07	16,709.53	0.5731364	0.4268636	1,135.69	845.85	10,712.53	7,978.54
0201922	Brownsboro Neec, South Pod	67.57	56,119.28	5,020.14	61,206.99	61,139.42	0.0821097	0.9178903	5.55	62.02	5,025.69	56,181.30
0201924	Tyler Pipe & Foundry 138Kv	5,576.78	11,748.51	134,156.03	151,481.32	145,904.54	0.9194781	0.0805219	5,127.73	449.05	139,283.76	12,197.56
0201925	Lufkin S'Land Paper Mill,1	515.45	24,595.26	147,019.05	172,129.76	171,614.31	0.8566829	0.1433171	441.58	73.87	147,460.63	24,669.13
0201926	Tyler Kelly Tire 138Kv	32,520.24	44,640.51	87,070.26	164,231.01	131,710.77	0.6610717	0.3389283	21,498.21	11,022.03	108,568.47	55,662.54
0201927	Lufkin Hill Street Sub	56,329.80	1,434,561.52	129,718.36	1,620,609.68	1,564,279.88	0.0829253	0.9170747	4,671.16	51,658.64	134,389.52	1,486,220.16
0201928	Palestine-Alcoa 345Kv	(630,824.47)	3,386.41	581,279.89	(46,158.17)	584,666.30	0.9942080	0.0057920	(627,170.71)	(3,653.76)	(45,890.82)	(267.35)
0201929	Freestone Co Rea 69Kv	1,374.26	176.63	92,856.14	94,407.03	93,032.77	0.9981014	0.0018986	1,371.65	2.61	94,227.79	179.24
0201930	Eastern Div Portable Fans	3,548.58	0.00	0.00	3,548.58	0.00	0.8900680	0.1099320	3,158.48	390.10	3,158.48	390.10
0201933	Pleasant Springs 138Kv	304,812.28	29,276.23	190,464.01	524,552.52	219,740.24	0.8667689	0.1332311	264,201.81	40,610.47	454,665.82	69,886.70
0201935	Swinneytown 138Kv Pod	918.03	3,827.57	17,128.09	21,873.69	20,955.66	0.8173491	0.1826509	750.35	167.68	17,878.44	3,995.25
0201936	Cushing Dete, S.E. 138Kv	232,219.00	4,000.96	197,143.05	433,363.01	201,144.01	0.9801090	0.0198910	227,599.93	4,619.07	424,742.98	8,620.03
0201937	Lufkin Chipper Mill Pod 138Kv	14,013.74	8,297.87	285,696.71	308,008.32	293,994.58	0.9717754	0.0282246	13,618.21	395.53	299,314.92	8,693.40
0201938	Big Brown #1 (Tumco) Pod	25,049.96	24,147.18	290,580.04	339,777.18	314,727.22	0.9232758	0.0767242	23,128.02	1,921.94	313,708.06	26,069.12
0201939	Big Brown #2 (Tumco) Pod	0.00	35,099.59	55,665.19	90,764.78	90,764.78	0.6132906	0.3867094	0.00	0.00	55,665.19	35,099.59
0201953	Bardwell Lake Switch	965,569.13	2,089.49	3,285,390.69	4,253,049.31	3,287,480.18	0.9993644	0.0006356	964,955.42	613.71	4,250,346.11	2,703.20
0301301	BELLS 69KV	117,743.13	583,558.84	412,300.17	1,113,602.14	995,859.01	0.4140146	0.5859854	48,747.37	68,995.76	461,047.54	652,556.60
0301310	Denton,69Kv	8,707.39	19,037.42	14,047.30	41,792.11	33,084.72	0.4245857	0.5754143	3,697.03	5,010.36	17,744.33	24,047.78
0301316	Gainesville,Rea,69Kv	9,830.62	853.05	7,960.92	18,644.59	8,813.97	0.9032161	0.0967839	8,879.17	951.45	16,840.09	1,804.50

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
TCOS ALLOCATION OF FERC ACCOUNT 353 WITHOUT NTUSU  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 353 (T + G)	Total DIST of 353 (D + H)
0301401	Collin 138Kv	2,869,070.01	142,932.80	13,446,173.04	16,458,175.85	13,589,105.84	0.9894818	0.0105182	2,838,892.59	30,177.42	16,285,065.63	173,110.22
0301404	Paris,138Kv	748,900.39	1,555,519.03	2,734,819.32	5,039,338.74	4,290,338.35	0.6374367	0.3625633	477,376.63	271,523.76	3,212,195.95	1,827,042.79
0301405	Payne Switch,138Kv	941,846.64	794,398.42	2,344,882.48	4,081,127.54	3,139,280.90	0.7469489	0.2530511	703,511.33	238,335.31	3,048,393.81	1,032,733.73
0301406	River Crest,138Kv	598,193.70	88,977.57	1,793,512.35	2,480,683.62	1,882,489.92	0.9527341	0.0472659	569,919.54	28,274.16	2,363,431.89	117,251.73
0301408	McKinney White St. Tap Sta	67,147.59	221 18	32,980.52	100,349.29	33,201.70	0.9933383	0.0066617	66,700.27	447.32	99,680.79	666.50
0301409	Krum Tap 138 KV Sw Sta	524,820.97	34,202.66	2,182,728.74	2,741,752.37	2,216,931.40	0.9845721	0.0154279	516,724.07	8,096.90	2,699,452.81	42,299.56
0301420	Argyle,138Kv	352,276.24	53,544.47	1,875,495.71	2,281,316.42	1,929,040.18	0.9722429	0.0277571	342,498.09	9,778.15	2,217,993.80	63,322.62
0301423	Gainesville,138Kv	635,698.42	1,469,308.81	1,730,160.91	3,835,168.14	3,199,469.72	0.5407649	0.4592351	343,763.39	291,935.03	2,073,924.30	1,761,243.84
0301430	Commerce 138Kv	292,948.05	712,915.91	1,791,791.16	2,797,655.12	2,504,707.07	0.7153695	0.2846305	209,566.11	83,381.94	2,001,357.27	795,297.85
0301434	Bonham Sw Sta,138Kv	270,799.01	361,360.20	2,414,668.02	3,036,727.23	2,765,928.22	0.8729684	0.1270316	236,398.99	34,400.02	2,650,967.01	385,760.22
0301438	Cumby Tap,138Kv	210,059.10	156,598.80	1,339,412.99	1,706,430.89	1,496,371.79	0.8951071	0.1048929	188,025.39	22,033.71	1,527,438.38	178,992.51
0301441	Commerce Sw Station 138Kv	155,438.86	59,211.69	1,650,414.78	1,865,065.33	1,709,626.47	0.9653657	0.0346343	150,055.35	5,383.51	1,800,470.13	64,595.20
0301446	Chico Tap,138Kv	49,024.91	0.00	31,895.47	80,920.38	31,895.47	1.0000000	0.0000000	49,024.91	0.00	80,920.38	0.00
0301456	Edgewood,138Kv	261,854.90	522,741.17	677,683.13	1,462,279.20	1,200,424.30	0.5645363	0.4354637	147,826.60	114,028.30	825,509.73	636,769.47
0301458	Canton Tap Sw Station,138Kv	214,931.08	64,231.65	1,783,314.54	2,062,477.27	1,847,546.19	0.9652341	0.0347659	207,458.80	7,472.28	1,990,773.34	71,703.93
0301477	Toco Switch	946,827.74	0.00	5,243,008.96	6,189,836.70	5,243,008.96	1.0000000	0.0000000	946,827.74	0.00	6,189,836.70	0.00
0301478	Stone Creek Switch	1,721,091.80	133,699.54	10,238,635.17	12,093,426.51	10,372,334.71	0.9871100	0.0128900	1,698,906.90	22,184.90	11,937,542.07	155,884.44
0301482	Frisco Square POI	375,394.94	0.00	1,093,151.11	1,468,546.05	1,093,151.11	1.0000000	0.0000000	375,394.94	0.00	1,468,546.05	0.00
0301501	Valley, 345Kv	1,321,289.97	230,083.19	12,651,556.32	14,202,929.48	12,881,639.51	0.9821387	0.0178613	1,297,688.98	23,599.99	13,949,246.30	253,683.18
0301502	Collin Switching Station 345KV	1,110,297.71	806,193.02	15,456,253.88	17,372,744.61	16,262,446.90	0.9504261	0.0495739	1,055,255.92	55,041.79	16,511,509.80	861,234.81
0301503	Paris Switching Station 345 KV	2,017,735.23	938,942.74	22,740,209.79	25,696,887.76	23,679,152.53	0.9603473	0.0396527	1,937,726.55	80,008.68	24,677,936.34	1,018,951.42
0301504	Sulpher Springs,345Kv	412,175.78	462,213.35	3,043,809.90	3,918,199.03	3,506,023.08	0.8681659	0.1318341	357,836.97	54,338.81	3,401,646.87	516,552.16
0301505	Monticello,345Kv	2,021,126.32	702,659.57	18,037,374.85	20,761,160.74	18,740,034.42	0.9625049	0.0374951	1,945,343.98	75,782.34	19,982,718.83	778,441.91
0301506	Anna Sw,345Kv	2,393,238.99	472,191.41	29,144,047.28	32,009,477.68	29,616,238.69	0.9840563	0.0159437	2,355,081.99	38,157.00	31,499,129.27	510,348.41
0301507	Valley South Sw. Sta. 345KV	1,809,066.60	25,790.99	4,510,942.77	6,345,800.36	4,536,733.76	0.9943151	0.0056849	1,798,782.19	10,284.41	6,309,724.96	36,075.40
0301508	CREZ KRUM WEST 345 SW STA	1,797,244.69	165,959.48	20,328,043.96	22,291,248.13	20,494,003.44	0.9919020	0.0080980	1,782,690.69	14,554.00	22,110,734.65	180,513.48
0301903	Cooke Co Line Tnp 69Kv Pod	1,080.12	2,794.06	42,494.38	46,368.56	45,288.44	0.9383052	0.0616948	1,013.48	66.64	43,507.86	2,860.70
0301905	Payne 69Kv	803,864.35	0.00	58,612.06	862,476.41	58,612.06	1.0000000	0.0000000	803,864.35	0.00	862,476.41	0.00
0301906	Whitesboro,Bepci, 138 Pod	0.00	0.00	41,377.66	41,377.66	41,377.66	1.0000000	0.0000000	0.00	0.00	41,377.66	0.00
0301909	Emory, North 138Kv	142,204.47	152.64	638,120.19	780,477.30	638,272.83	0.9997609	0.0002391	142,170.46	34.01	780,290.65	186.65
0301910	Talco,West Tnp 138Kv	2,781.20	0.00	126,316.03	129,097.23	126,316.03	1.0000000	0.0000000	2,781.20	0.00	129,097.23	0.00
0301911	Van Alstyne Gcec, E 138Kv	48.27	1,897.03	6,371.36	8,316.66	8,268.39	0.7705684	0.2294316	37.20	11.07	6,408.56	1,908.10
0301913	Alla Hubbard 69Kv	37.99	7,640.21	682.16	8,360.36	8,322.37	0.0819670	0.9180330	3.11	34.88	685.27	7,675.09
0301916	Paris Kimberly Clark	16,184.51	86,855.21	42,390.92	145,430.64	129,246.13	0.3279860	0.6720140	5,308.29	10,876.22	47,699.21	97,731.43
0301917	Mckinney TI 138Kv	(395,405.87)	10,769.92	369,697.13	(14,938.82)	380,467.05	0.9716929	0.0283071	(384,213.08)	(11,192.79)	(14,515.95)	(422.87)
0301918	Tenaska 138Kv	79,106.16	62,116.78	289,769.67	410,991.61	331,886.45	0.8128373	0.1871627	64,299.62	14,805.54	334,069.29	76,922.32
0301919	Cherry Mound (Kcec) 138Kv	0.54	2.26	19,946.51	19,949.31	19,948.77	0.9998667	0.0001133	0.54	0.00	19,947.05	2.26
0301920	Welsh Ses-Swepco (East Dc Tie)	2,480,362.31	10,918,388.70	15,867,564.21	29,266,315.22	26,785,952.91	0.5923838	0.4076162	1,469,326.42	1,011,035.89	17,336,890.63	11,929,424.59
0301921	Winfield, South (Tumco)P.O.D.	65,671.00	0.00	0.00	65,671.00	0.00	0.8900680	0.1099320	58,451.66	7,219.34	58,451.66	7,219.34
0401308	Corsicana-Magnolia Jct 69KV	1,215.00	0.00	1,215.00	0.00	0.00	0.8900680	0.1099320	1,081.43	133.57	1,081.43	133.57
0401340	Waco Basic Fly Field Tap 6	1,656.12	561.67	21,398.45	23,616.24	21,960.12	0.9744232	0.0255768	1,613.76	42.36	23,012.21	604.03
0401345	Waco Atlas Tap 69KV	4,694.86	0.00	37,039.29	41,734.15	37,039.29	1.0000000	0.0000000	4,694.86	0.00	41,734.15	0.00
0401401	Belton,138Kv	419,075.55	1,092,298.52	1,712,336.40	3,223,710.47	2,804,634.92	0.6105381	0.3894619	255,861.58	163,213.97	1,968,197.98	1,255,512.49
0401402	Corsicana,138Kv	1,638,193.47	1,599,500.24	8,062,204.54	11,300,898.25	9,661,704.78	0.8344495	0.1655505	1,367,824.14	271,369.33	9,430,028.68	1,870,869.57
0401403	Hillsboro,,138Kv	1,850,464.77	2,004,184.50	8,181,259.20	12,035,908.47	10,185,443.70	0.8032305	0.1967695	1,486,349.77	364,115.00	9,667,608.97	2,368,299.50
0401409	Minerva, 138Kv	413,311.07	873,560.03	2,904,504.53	4,191,375.63	3,778,064.56	0.7687811	0.2312189	317,745.73	95,565.34	3,222,250.26	969,125.37
0401411	Waco, East 138Kv	528,554.27	2,790,906.81	4,681,506.48	8,000,967.56	7,472,413.29	0.6265053	0.3734947	331,142.05	197,412.22	5,012,648.53	2,988,319.03
0401412	Waco, West 138Kv	671,536.39	325,834.82	2,885,763.39	3,883,134.60	3,211,598.21	0.8985443	0.1014557	603,405.22	68,131.17	3,489,168.61	393,965.99

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 353 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: W. A. LEDBETTER

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 353 (T + G)	Total DIST of 353 (D + H)
0401413	Whitney Switching Station,138K	158,839.35	78,990.91	1,071,654.46	1,309,484.72	1,150,645.37	0.9313508	0.0686492	147,935.15	10,904.20	1,219,589.61	89,895.11
0401418	Temple, North 138Kv	380,109.41	3,188,369.41	940,604.51	4,509,083.33	4,128,973.92	0.2278059	0.7721941	86,591.16	293,518.25	1,027,195.67	3,481,887.66
0401421	Mcgregor-Phillips,138Kv	187,716.25	107,588.13	601,230.52	896,534.90	708,818.65	0.8482149	0.1517851	159,223.71	28,492.54	760,454.23	136,080.67
0401424	Elgin Switch Station (Lcra) 13	333,423.00	87,684.19	2,415,570.95	2,836,678.14	2,503,255.14	0.9849719	0.0350281	321,743.84	11,679.16	2,737,314.79	99,363.35
0401426	Navarro,138Kv	351,763.44	168,792.19	3,843,463.90	4,364,019.53	4,012,256.09	0.9579309	0.0420691	336,965.05	14,798.39	4,180,428.95	183,590.58
0401431	Walnut Springs,138Kv	275,878.19	346,788.59	2,660,471.86	3,283,138.64	3,007,260.45	0.8846829	0.1153171	244,064.71	31,813.48	2,904,536.57	378,602.07
0401434	Sandow,Alcoa Sub,138Kv	25,478.94	74,964.44	476,785.52	577,228.90	551,749.96	0.8641333	0.1358667	22,017.20	3,461.74	498,802.72	78,426.18
0401447	Salado, 138Kv	1,805,492.68	1,635,381.53	7,704,214.54	11,145,088.75	9,339,596.07	0.8248980	0.1751020	1,489,347.38	316,145.30	9,193,561.92	1,951,526.83
0401451	Round Rock,138Kv	2,667,417.55	3,897,647.68	12,427,455.10	18,992,520.33	16,325,102.78	0.7612482	0.2387518	2,030,566.81	636,850.74	14,458,021.91	4,534,498.42
0401455	Taylor,138Kv	337,218.12	1,005,273.90	2,490,683.85	3,833,175.87	3,495,957.75	0.7124468	0.2875532	240,249.96	96,968.16	2,730,933.81	1,102,242.06
0401460	Temple Pecan Creek 345KV Sw	1,133,650.00	763,066.38	8,216,708.08	10,113,424.46	8,979,774.46	0.9150239	0.0849761	1,037,316.82	96,333.18	9,254,024.90	859,399.56
0401464	Monford Tap 138 Kv	171,053.20	27,235.70	1,402,599.86	1,600,888.76	1,429,835.56	0.9809519	0.0190481	167,794.96	3,258.24	1,570,394.82	30,493.94
0401477	Temple Elm Creek 138KV Sw Sta	519,498.82	5,190.97	3,338,605.01	3,863,294.80	3,343,795.98	0.9984476	0.0015524	518,692.34	806.48	3,857,297.35	5,997.45
0401482	Navarro Communication Hut	125,128.02	142.54	121,445.29	246,715.85	121,587.83	0.9988277	0.0011723	124,981.33	146.69	246,426.62	289.23
0401487	Hutto Switching Station	2,299,141.44	6,420,201.52	25,980,057.30	34,699,400.26	32,400,258.82	0.8018472	0.1981528	1,843,560.16	455,581.28	27,823,617.46	6,875,782.80
0401493	Bell County East Switching Sta	1,068,431.11	17,187.06	8,360,520.41	9,446,138.58	8,377,707.47	0.9979485	0.0020515	1,066,239.20	2,191.91	9,426,759.61	19,378.97
0401496	Briar Creek 69KV POI	73,702.92	11,773.96	71,519.91	156,996.79	83,293.87	0.8586455	0.1413545	63,284.68	10,418.24	134,804.59	22,192.20
0401501	Tradinghouse, 345Kv	1,109,212.87	323,562.16	5,147,475.35	6,580,250.38	5,471,037.51	0.9408591	0.0591409	1,043,613.01	65,599.86	6,191,088.36	389,162.02
0401502	Sandow,345Kv	538,129.27	220,457.73	1,568,155.38	2,326,742.38	1,788,613.11	0.8767438	0.1232562	471,801.48	66,327.79	2,039,956.86	286,785.52
0401504	Lake Creek,345Kv	2,739,425.13	1,232,724.54	17,147,342.14	21,119,491.81	18,380,066.68	0.9329314	0.0670686	2,555,695.84	183,729.29	19,703,037.98	1,416,453.83
0401505	Richland Chambers Sw Sta. 345k	558,759.18	3,489.08	5,956,779.81	6,519,028.07	5,960,268.88	0.9994146	0.0005854	558,432.09	327.09	6,515,211.90	3,816.17
0401507	Killeen Sw.Station 345Kv	2,019,488.35	1,581,678.52	29,526,001.22	33,127,168.09	31,107,679.74	0.9491547	0.0508453	1,916,806.91	102,681.44	31,442,808.13	1,684,359.96
0401508	Sandow Sw.Sta,345Kv	2,253,032.67	892,569.92	25,434,304.57	28,579,907.16	26,326,874.49	0.9660966	0.0339034	2,176,647.26	76,385.41	27,610,951.83	968,955.33
0401509	Temple Sw.Sta,345Kv	857,911.36	1,259,737.71	19,094,920.65	21,482,569.72	20,624,658.36	0.9258297	0.0741703	794,279.79	63,631.57	19,889,200.44	1,593,369.28
0401510	Elm Mott,345Kv	389,992.64	649,809.56	6,036,509.05	7,076,411.25	6,686,418.61	0.9028015	0.0971985	352,085.96	37,906.68	6,388,595.01	687,816.24
0401512	Trinidad Ses 345Kv Trans	2,115,447.04	707,887.55	24,553,100.57	27,376,435.16	25,260,988.12	0.9719770	0.0280230	2,056,185.96	59,281.08	26,609,266.53	767,168.63
0401512	Twin Oak, 345Kv	1,486,902.41	325,456.28	13,588,289.40	15,400,648.09	13,913,745.68	0.9766090	0.0233910	1,452,122.29	34,780.12	15,040,411.69	360,234.40
0401514	Sandow #4,345Kv	0.00	176,139.23	770,588.34	946,727.57	813,949.44	0.1860506	0.00	0.00	770,588.34	176,139.23	
0401515	Rattlesnake Road 345KV	526,429.41	21,260.80	2,834,920.43	3,381,610.44	2,856,181.03	0.9925563	0.0074437	521,518.26	3,911.15	3,356,438.69	25,171.75
0401516	CREZ NEWTON SW STA	228,029.27	628.48	107,315.62	335,973.37	107,944.10	0.9941777	0.0058223	226,701.62	1,327.65	334,017.24	1,956.13
0401519	Knob Creek Switching Station	1,131,629.46	4,909.54	7,614,388.93	8,750,927.93	7,619,298.47	0.9993556	0.0066444	1,130,900.29	729.17	8,745,289.22	5,638.71
0401527	Ashton POD	3,355.76	5,947.92	6,806.61	16,110.29	12,754.53	0.5336622	0.4663378	1,790.84	1,564.92	8,597.45	7,512.84
0401532	Battalion POD	110,210.57	56,227.38	1,021,443.75	1,187,881.70	1,077,671.13	0.9478251	0.0521749	104,460.34	5,750.23	1,125,904.09	61,977.61
0401503	Wortham Swesco Gulf Pump P	136,815.99	3,372.36	153,077.27	293,265.62	156,449.63	0.9784444	0.0215556	133,866.84	2,949.15	286,944.11	6,321.51
0401904	Waco Atlas Cement 69Kv	0.00	0.00	8,458.76	8,458.76	8,458.76	1.0000000	0.0000000	0.00	0.00	8,458.76	0.00
0401905	Wortham Utilities 69Kv	60,134.21	1,410.91	14,929.53	76,474.65	16,340.44	0.9136553	0.0863447	54,941.94	5,192.27	69,871.47	6,603.18
0401907	Groesbeck 138 KV	309,827.20	203,781.29	1,845,213.23	2,358,821.72	2,048,994.52	0.9005457	0.0994543	279,013.56	30,813.64	2,124,226.79	234,594.93
0401909	Southern Div Dispatch Center	597,965.68	2,240.25	28,237.59	628,443.52	30,477.84	0.9264958	0.0735042	554,012.68	43,953.00	582,250.27	46,193.25
0401910	Johnsville Bepci 138Kv Pod	0.00	0.00	72,644.98	72,644.98	72,644.98	1.0000000	0.0000000	0.00	0.00	72,644.98	0.00
0401911	Lingleville Bepci 138Kv Pod	1,913.22	0.00	111,044.98	112,958.20	111,044.98	1.0000000	0.0000000	1,913.22	0.00	112,958.20	0.00
0401913	Selden Bepci 138Kv Pod	0.00	0.00	96,876.01	96,876.01	96,876.01	1.0000000	0.0000000	0.00	0.00	96,876.01	0.00
0401917	Marlin SES 69 KV	581,649.70	1,114,877.98	336,143.17	2,032,670.85	1,451,021.15	0.2316597	0.7683403	134,744.81	446,904.89	470,887.98	1,561,782.87
0401922	Waco, M-M Mars #2 P.O.D.	88,123.95	60,230.98	346,097.67	494,452.60	406,328.65	0.8517678	0.1482322	75,061.15	13,062.80	421,158.82	73,293.78
0401924	College Station Switch Pod	21,286.20	0.00	71,363.51	92,649.71	71,363.51	1.0000000	0.0000000	21,286.20	0.00	92,649.71	0.00
0401925	Greens Prairie Pod	1,296.83	0.00	99,515.22	100,812.05	99,515.22	1.0000000	0.0000000	1,296.83	0.00	100,812.05	0.00
0401926	Southwood Valley Substation PO	0.00	0.00	14,251.93	14,251.93	14,251.93	1.0000000	0.0000000	0.00	0.00	14,251.93	0.00
0401931	Groesbeck Main 138 KV	141,504.59	598,374.08	197,046.86	936,925.53	795,420.94	0.2477265	0.7522735	35,054.44	106,450.15	232,101.30	704,824.23
0401933	Killeen Clarke Road, POI	59,121.08	0.00	367,653.07	426,774.15	367,653.07	1.0000000	0.0000000	59,121.08	0.00	426,774.15	0.00

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
TCOS ALLOCATION OF FERC ACCOUNT 353 WITHOUT NTUSU  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 353 (T + G)	Total DIST of 353 (D + H)
0501402	Decatur,138Kv	256,129.56	874,676.92	1,666,143.48	2,796,949.96	2,540,820.40	0.6557502	0.3442498	167,957.01	88,172.55	1,834,100.49	962,849.47
0501403	Euless,138Kv	812,815.51	4,826,573.89	5,847,196.23	11,486,585.63	10,673,770.12	0.5478098	0.4521902	445,268.33	367,547.18	6,292,464.56	5,194,121.07
0501405	Palo Pinto Tap 138KV	51,168.67	11,012.51	0.00	62,181.18	11,012.51	0.0000000	1.0000000	0.00	51,168.67	0.00	62,181.18
0501409	Bennett Road Switching Station	613,288.57	103,448.44	4,445,464.14	5,162,201.15	4,548,912.58	0.9772586	0.0227414	599,341.56	13,947.01	5,044,805.70	117,395.45
0501415	Blue Dove POI	293,817.11	0.00	1,290,305.93	1,584,123.04	1,290,305.93	1.0000000	0.0000000	293,817.11	0.00	1,584,123.04	0.00
0501427	Brownwood,138Kv	383,102.77	1,364,485.41	2,336,663.50	4,084,251.68	3,701,148.91	0.6313346	0.3686654	241,866.05	141,236.72	2,578,529.55	1,505,722.13
0501428	Dublin,138Kv	443,978.90	658,378.05	1,214,001.14	2,316,358.09	1,872,379.19	0.6483735	0.3516265	287,864.17	156,114.73	1,501,865.31	814,492.78
0501430	Stephenville,138Kv	771,781.93	4,463,501.50	4,224,650.99	9,459,934.42	8,688,152.49	0.4862542	0.5137458	375,282.24	396,499.69	4,599,933.23	4,860,001.19
0501434	Flat Creek 138 KV Sw Sta	759,748.83	61,050.89	2,108,554.60	2,929,354.32	2,169,605.49	0.9718608	0.0281392	738,370.13	21,379.70	2,846,924.73	82,429.59
0501435	Mercer Gap Switching Station	1,035,795.54	859.56	3,011,251.45	4,047,906.55	3,012,111.01	0.9997146	0.0002854	1,035,499.96	295.58	4,046,751.41	1,155.14
0501440	Oran, 138Kv	691,842.39	703,045.20	5,429,612.19	6,824,499.78	6,132,657.39	0.8853604	0.1146396	612,529.88	79,312.51	6,042,142.07	782,357.71
0501449	Brownwood Sw Station,138Kv	321,659.16	119,663.45	2,595,745.79	3,037,068.40	2,715,409.24	0.9559317	0.0440683	307,484.19	14,174.97	2,903,229.98	133,838.42
0501452	Vineyard Switch	1,520,157.39	0.00	7,305,458.86	8,825,616.25	7,305,458.86	1.0000000	0.0000000	1,520,157.39	0.00	8,825,616.25	0.00
0501461	Cleburne Sw Station 138Kv	274,419.72	36,040.04	1,366,364.72	1,696,824.48	1,422,404.76	0.9746626	0.0253374	267,466.64	6,953.08	1,653,831.36	42,993.12
0501472	Elizabeth Creek Sw Sta	0.00	0.00	0.00	0.00	0.00	0.8900680	0.1099320	0.00	0.00	0.00	0.00
0501473	Park Vista 138KV POI	499,976.90	237,354.31	1,527,115.90	2,264,447.11	1,764,470.21	0.8564813	0.1345187	432,720.64	67,256.26	1,859,836.54	304,610.57
0501474	Mitchell Bend Switching Sta	1,077,133.61	0.00	8,058,620.14	9,135,753.75	8,058,620.14	1.0000000	0.0000000	1,077,133.61	0.00	9,135,753.75	0.00
0501489	Weatherford, West 138Kv	193,713.47	332,352.00	1,669,039.93	2,195,105.40	2,001,391.93	0.8339396	0.1660604	161,545.33	32,168.14	1,830,585.26	364,520.14
0501501	Jacksboro Sw. Sta., 345KV	1,976,791.78	1,508.12	6,538,243.50	8,516,543.40	6,539,751.62	0.9997694	0.0002306	1,976,335.92	455.86	8,514,579.42	1,963.98
0501502	Wolf Hollow Sw. Sta. 345 KV	626,720.82	0.00	5,676,799.61	6,303,520.43	5,676,799.61	1.0000000	0.0000000	626,720.82	0.00	6,303,520.43	0.00
0501506	Comanche Sw Station 345KV	906,473.82	3,418,421.37	6,876,458.43	11,201,353.62	10,294,879.80	0.6679494	0.3320506	605,478.61	300,995.21	7,481,937.04	3,719,416.58
0501507	Willow Creek Sw. Station	1,852,564.46	35,825.16	17,375,844.33	19,264,233.95	17,411,669.49	0.9979425	0.0020575	1,848,752.74	3,811.72	19,224,597.07	39,636.88
0501510	CREZ BROWN SW STA	6,927,894.21	121,792.99	70,056,262.92	77,105,950.12	70,178,055.91	0.9982645	0.0017355	6,915,870.95	12,023.26	76,972,133.87	133,816.25
0501511	HENDERSON RANCH SW STA	1,122,583.60	1,299.24	4,102,965.27	5,226,848.11	4,104,404.51	0.9996834	0.0003166	1,122,228.24	355.36	5,225,193.51	1,654.60
0501512	HICKS 345KV SW STA	3,031,657.72	1,866,420.40	35,005,398.40	39,903,476.52	36,871,818.80	0.9493808	0.0506192	2,878,197.76	153,459.96	37,883,596.16	2,019,880.36
0501515	Corn Trail Switch	1,453,065.29	0.00	4,687,934.34	6,140,999.63	4,687,934.34	1.0000000	0.0000000	1,453,065.29	0.00	6,140,999.63	0.00
0501902	Weatherford, Tesco 138Kv	938.66	0.00	157,989.31	158,927.97	157,989.31	1.0000000	0.0000000	938.66	0.00	158,927.97	0.00
0601300	Deaf Smith 345KV	3,054,632.61	0.00	9,023,809.19	12,078,441.80	9,023,809.19	1.0000000	0.0000000	3,054,632.61	0.00	12,078,441.80	0.00
5171903	Sofst Mobile Sub #2 20,000K	0.00	102,056.34	291,734.81	393,791.15	393,791.15	0.7408364	0.2591636	0.00	0.00	291,734.81	102,056.34
5171908	Mobile MAS01 Switch, AS	0.00	0.00	73,404.54	73,404.54	73,404.54	1.0000000	0.0000000	0.00	0.00	73,404.54	0.00
5171915	Mobile MAS06 Switch, Flash Bus	3,351.70	0.00	13,185.04	16,536.74	13,185.04	1.0000000	0.0000000	3,351.70	0.00	16,536.74	0.00
5171916	Mobile MAS02 Switch, AS	0.00	0.00	10,098.33	10,098.33	10,098.33	1.0000000	0.0000000	0.00	0.00	10,098.33	0.00
5171925	Mobile MT004 XFMR	0.00	0.00	101,821.30	101,821.30	101,821.30	1.0000000	0.0000000	0.00	0.00	101,821.30	0.00
5171993	Mobile Transformer MT25	0.00	2,268,919.59	0.00	2,268,919.59	2,268,919.59	0.0000000	1.0000000	0.00	0.00	0.00	2,268,919.59
5172004	Mobile HV Capacitor Bank #1	56,947.57	0.00	1,392,100.62	1,449,048.19	1,392,100.62	1.0000000	0.0000000	56,947.57	0.00	1,449,048.19	0.00
5172006	Mobile MLB18	31,248.01	0.00	191,952.23	223,200.24	191,952.23	1.0000000	0.0000000	31,248.01	0.00	223,200.24	0.00
5172015	Mobile MLB19 Switch	7,973.91	0.00	205,805.04	213,778.95	205,805.04	1.0000000	0.0000000	7,973.91	0.00	213,778.95	0.00
5172016	Mobile MLB20 Switch	7,956.79	0.00	204,793.20	212,749.99	204,793.20	1.0000000	0.0000000	7,956.79	0.00	212,749.99	0.00
5172017	Mobile MLB21 Switch	18,005.68	0.00	189,672.57	207,678.25	189,672.57	1.0000000	0.0000000	18,005.68	0.00	207,678.25	0.00
5172018	Mobile MLB22 Switch	18,026.37	0.00	189,880.69	207,917.06	189,880.69	1.0000000	0.0000000	18,026.37	0.00	207,917.06	0.00
S610045	Koch Tap	60,786.50	602.25	2,244.00	63,632.75	2,846.25	0.7884058	0.2115942	47,924.43	12,862.07	50,168.43	13,464.32
0005185	Burleson Switch	1,856,582.60	2,718,334.54	5,616,174.35	10,191,091.49	8,334,508.89	0.6738459	0.3261541	1,251,050.51	605,532.09	6,867,224.86	3,323,866.63
0005599	Fullerton Switch	808,862.37	39,032.05	5,018,169.18	5,866,163.60	5,057,201.23	0.9922819	0.0077181	802,718.71	6,243.66	5,820,887.89	45,275.71
0005571	Long Pasture POD	96,872.40	0.00	761,644.91	858,517.31	761,644.91	1.0000000	0.0000000	96,872.40	0.00	858,517.31	0.00
0005903	Chimney Well POD	290,977.51	0.00	896,529.29	1,187,506.80	896,529.29	1.0000000	0.0000000	290,977.51	0.00	1,187,506.80	0.00
0005939	Turnbaugh Corner Switch	1,055,170.62	11,020.04	2,623,167.86	3,689,358.52	2,634,187.90	0.9958165	0.0041835	1,050,756.35	4,414.27	3,673,924.21	15,434.31
0101526	Craig Ranch POI	32,051.88	304.12	0.00	32,356.00	304.12	0.0000000	1.0000000	0.00	32,051.88	0.00	32,356.00
S610008	Clearfork 345KV	366.45	0.00	3,624,469.46	3,624,835.91	3,624,469.46	1.0000000	0.0000000	366.45	0.00	3,624,835.91	0.00

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 353 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 353 (T + G)	Total DIST of 353 (D + H)
S610048	Tule Canyon 345KV	463,030.65	112.42	202,652.35	665,795.42	202,764.77	0.9994456	0.0005544	462,773.93	256.72	665,426.28	369.14
0005643	Camp Pasture POD	517,815.64	21,641.98	114,052.09	653,509.71	135,694.07	0.8405090	0.1594910	435,228.72	82,586.92	549,280.81	104,228.90
0005648	Kelton Windmill POD	559,145.97	24,335.77	127,817.00	711,298.74	152,152.77	0.8400570	0.1599430	469,714.49	89,431.48	597,531.49	113,767.25
0005651	Hazel POD	4,530.84	2,074.76	0.00	6,605.60	2,074.76	0.0000000	1.0000000	0.00	4,530.84	0.00	6,605.60
0005915	Boulder POD	99,199.07	0.00	561,270.16	660,469.23	561,270.16	1.0000000	0.0000000	99,199.07	0.00	660,469.23	0.00
0005917	Cloverdale POD	369,660.29	91,587.61	174,308.56	635,556.46	265,896.17	0.6555512	0.3444488	242,331.26	127,329.03	416,639.82	218,916.64
0201454	Forehand POD	44,494.42	52,485.09	0.00	96,979.51	52,485.09	0.0000000	1.0000000	0.00	44,494.42	0.00	96,979.51
0301481	Prolina POI	235,015.29	597.23	725,253.01	960,865.53	725,850.24	0.9991772	0.0008228	234,821.92	193.37	960,074.93	790.60
0301486	Altens Creek POI	568,238.93	14,062.68	121,132.85	703,434.46	135,195.53	0.8959827	0.1040173	509,132.23	59,106.70	630,265.08	73,169.38
0301511	Woodard Switch	1,047,328.38	0.00	4,629,416.23	5,676,744.61	4,629,416.23	1.0000000	0.0000000	1,047,328.38	0.00	5,676,744.61	0.00
0501903	Slager Lake POD	503,648.19	43,499.53	182,209.79	729,357.51	225,709.32	0.8072763	0.1927237	406,583.26	97,064.93	588,793.05	140,564.46
0601200	Dog House 345KV	1,227,356.01	0.00	4,301,937.17	5,529,292.18	4,301,937.17	1.0000000	0.0000000	1,227,355.01	0.00	5,529,292.18	0.00
S610038	Vealmoor 345 KV Station	303,855.35	3,878,672.06	27,037,400.07	31,219,927.48	30,916,072.13	0.8745419	0.1254581	265,734.23	38,121.12	27,303,134.30	3,916,793.18
S610051	Windmill 345KV	346,149.26	0.00	187,418.55	533,567.81	187,418.55	1.0000000	0.0000000	346,149.26	0.00	533,567.81	0.00
0501475	Carmichael Bend Switch	1,847,566.54	330,109.82	21,403,009.98	23,580,686.34	21,733,119.80	0.9848107	0.0151893	1,819,503.39	28,063.15	23,222,513.37	358,172.97
S610023	Pronghorn 138 - 25KV	14,581.07	117,948.44	13,009.02	145,538.53	130,957.46	0.0993378	0.9006622	1,448.45	13,132.62	14,457.47	131,081.06
S610027	Roughneck Tap	25,070.35	115,480.70	4,679.65	145,230.70	120,160.35	0.0389450	0.9610550	976.37	24,093.98	5,656.02	139,574.68
S610002	Bliss Acres 138 - 25KV	26,052.79	1,162.50	0.00	27,215.29	1,162.50	0.0000000	1.0000000	0.00	26,052.79	0.00	27,215.29
S610004	Buffalo 138 - 25KV	26,489.84	1,182.01	0.00	27,671.85	1,182.01	0.0000000	1.0000000	0.00	26,489.84	0.00	27,671.85
S610005	Bulldog 138 - 12.5KV	23,968.53	2,285,336.14	732,922.13	3,042,226.80	3,018,258.27	0.2428295	0.7517105	5,820.27	18,148.26	738,742.40	2,303,484.40
S610012	Eiland 138 - 25KV	43,934.33	2,226.66	0.00	46,160.99	2,226.66	0.0000000	1.0000000	0.00	43,934.33	0.00	46,160.99
S610013	Einstein 345 - 138 - 25KV	6,809.66	15,952.83	0.00	22,762.49	15,952.83	0.0000000	1.0000000	0.00	6,809.66	0.00	22,762.49
S610022	Pemkiff 138KV	15,809.21	2,963.06	0.00	18,872.27	2,963.06	0.0000000	1.0000000	0.00	15,909.21	0.00	18,872.27
S610026	Rocky Road 138 - 25KV	26,659.34	1,189.58	0.00	27,848.92	1,189.58	0.0000000	1.0000000	0.00	26,659.34	0.00	27,848.92
S610028	Safe Ranch 138 - 25KV	29,098.02	3,154.26	0.00	32,252.28	3,154.26	0.0000000	1.0000000	0.00	29,098.02	0.00	32,252.28
S610031	Skywest 138KV	14,845.81	12,846.43	0.00	27,692.24	12,846.43	0.0000000	1.0000000	0.00	14,845.81	0.00	27,692.24
S610032	South Midland 138 - 25KV	28,035.85	1,251.13	0.00	29,286.98	1,251.13	0.0000000	1.0000000	0.00	28,035.85	0.00	29,286.98
S610034	Stiles 138 - 25KV	29,767.03	1,508.64	0.00	31,275.67	1,508.64	0.0000000	1.0000000	0.00	29,767.03	0.00	31,275.67
S610035	Tall City 138 - 25KV	25,106.54	1,272.43	0.00	26,378.97	1,272.43	0.0000000	1.0000000	0.00	25,106.54	0.00	26,378.97
S610036	Telephone Road 345 kV Station	26,757.13	982.80	0.00	27,739.93	982.80	0.0000000	1.0000000	0.00	26,757.13	0.00	27,739.93
0005422	Deen Switch	1,865,224.01	8,586.59	14,238,015.57	16,111,826.17	14,246,602.16	0.9993973	0.0006027	1,864,099.82	1,124.19	16,102,115.39	9,710.78
0005841	CREZ ODESSA EHV #2	450,400.10	2,285.26	0.00	452,685.36	2,285.26	0.0000000	1.0000000	0.00	450,400.10	0.00	452,685.36
0005907	Gardendale Switch	835,342.08	0.00	4,627,939.58	5,463,281.66	4,627,939.58	1.0000000	0.0000000	835,342.08	0.00	5,463,281.66	0.00
0005918	Fairgrounds POD	410,349.12	27,809.57	51,279.19	489,437.88	79,088.76	0.6483752	0.3516248	266,060.19	144,288.93	317,339.38	172,098.50
0201487	Shady Grove POI	21,600.89	161.03	0.00	21,761.92	161.03	0.0000000	1.0000000	0.00	21,600.89	0.00	21,761.92
0301321	Cedar Elm Switch	1,013,290.97	0.00	5,504,397.85	6,517,688.82	5,504,397.85	1.0000000	0.0000000	1,013,290.97	0.00	6,517,688.82	0.00
0301484	Ray Roberts Switch	821,838.85	0.00	2,627,909.29	3,449,748.14	2,627,909.29	1.0000000	0.0000000	821,838.85	0.00	3,449,748.14	0.00
0301485	Gober Switch	979,963.06	0.00	2,712,983.41	3,692,946.47	2,712,983.41	1.0000000	0.0000000	979,963.06	0.00	3,692,946.47	0.00
0301514	Monticello Tap	18,523.36	162.53	0.00	18,685.89	162.53	0.0000000	1.0000000	0.00	18,523.36	0.00	18,685.89
0401533	Lake Hall Switch	1,055,539.35	0.00	5,131,464.49	6,187,003.84	5,131,464.49	1.0000000	0.0000000	1,055,539.35	0.00	6,187,003.84	0.00
0401938	Olive Spring POD	37,399.45	25,896.52	21,181.72	84,477.69	47,078.24	0.4499259	0.5500741	16,826.98	20,572.47	38,008.70	46,468.99
0601800	Lenorah POD	494,208.05	36,429.18	842,406.81	1,373,044.04	878,835.99	0.9585484	0.0414516	473,722.32	20,485.73	1,316,129.13	56,914.91
0602010	Red Salt POD	352,042.14	103,072.30	98,284.35	553,398.79	201,356.65	0.4881108	0.5118892	171,835.56	180,206.58	270,119.91	283,278.88
0602020	Oceanic POD	438,516.92	31,265.91	92,938.35	562,721.18	124,204.26	0.7482702	0.2517298	328,129.16	110,387.76	421,087.51	141,653.67
S610042	Alibates 345KV	314,783.74	0.00	228,267.28	543,051.02	228,267.28	1.0000000	0.0000000	314,783.74	0.00	543,051.02	0.00
S610047	Ogallala 345KV	90,670.98	0.00	1,676,851.52	1,767,522.60	1,676,851.52	1.0000000	0.0000000	90,670.98	0.00	1,767,522.60	0.00
0101527	Will White POI	314,179.59	0.00	54,279.39	368,458.98	54,279.39	1.0000000	0.0000000	314,179.59	0.00	368,458.98	0.00
0101345	Italy, 69KV	5,025.36	0.00	0.00	5,025.36	0.00	0.8900680	0.1099320	4,472.91	552.45	4,472.91	552.45

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
TCOS ALLOCATION OF FERC ACCOUNT 353 WITHOUT NTUSU  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 353 (T + G)	Total DIST of 353 (D + H)
0000611	Topeka Termination	49,663.43	0.00	486.45	50,149.88	486.45	1.0000000	0.0000000	49,663.43	0.00	50,149.88	0.00
0005072	Germany POD	432,730.01	117,664.75	90,671.05	641,065.81	208,335.80	0.4352159	0.5647841	188,330.98	244,399.03	279,002.03	362,063.78
0005073	Landfill POD	371,270.35	0.00	88,524.66	459,795.01	88,524.66	1.0000000	0.0000000	371,270.35	0.00	459,795.01	0.00
0005105	Thirtysix Draw POD	502,772.31	54,917.18	71,269.59	628,959.08	126,186.77	0.5647945	0.4352055	283,963.02	218,809.29	355,232.61	273,726.47
0005107	Tecumseh Creek Switch	1,029,036.45	45,880.85	5,556,377.28	6,631,294.58	5,602,258.13	0.9918103	0.0081897	1,020,608.94	8,427.51	6,576,986.22	54,308.36
0005375	Trinity 345/138-12.5KV	7,508.26	0.00	0.00	7,508.26	0.00	0.8900680	0.1099320	6,682.86	825.40	6,682.86	825.40
0005411	Timberview Switch	1,723,895.16	0.00	12,939,713.86	14,663,609.02	12,939,713.86	1.0000000	0.0000000	1,723,895.16	0.00	14,663,609.02	0.00
0005646	Roadrunner POD	295,556.32	106,634.88	478,968.33	881,159.53	585,603.21	0.8179059	0.1820941	241,737.26	53,819.06	720,705.59	160,453.94
0005654	Johnson Draw POD	745,897.32	38,428.06	94,577.72	878,903.10	133,005.78	0.7110798	0.2889202	530,392.50	215,504.82	624,970.22	253,932.88
0005664	Nobles POD	382,054.48	50,331.72	538,324.94	970,711.14	588,656.66	0.9144973	0.0855027	349,387.80	32,666.68	887,712.74	82,998.40
0005896	Rustler Hills POD	446,580.51	116,666.13	598,937.28	1,162,183.92	715,603.41	0.8369682	0.1630318	373,773.67	72,806.84	972,710.95	189,472.97
0005947	Drill Hole Switch	708,433.07	0.00	3,646,707.59	4,355,140.66	3,646,707.59	1.0000000	0.0000000	708,433.07	0.00	4,355,140.66	0.00
0005953	CREZ Bowman Sw Sta	1,056,301.00	0.00	5,158,712.16	6,215,013.16	5,158,712.16	1.0000000	0.0000000	1,056,301.00	0.00	6,215,013.16	0.00
0101523	Pebble Creek Switch	178,307.79	154.70	421,518.04	599,980.53	421,672.74	0.9996331	0.0003669	178,242.37	65.42	599,760.41	220.12
0101642	Shankle Switch	1,243,842.25	0.00	3,830,275.55	5,074,117.80	3,830,275.55	1.0000000	0.0000000	1,243,842.25	0.00	5,074,117.80	0.00
0201484	Flat Branch POI	419,262.25	0.00	259,139.19	678,401.44	259,139.19	1.0000000	0.0000000	419,262.25	0.00	678,401.44	0.00
0201485	Jin English POI	351,651.06	0.00	175,687.83	527,338.89	175,687.83	1.0000000	0.0000000	351,651.06	0.00	527,338.89	0.00
0201521	Redland Switch	1,917,199.54	0.00	5,724,813.75	7,642,013.29	5,724,813.75	1.0000000	0.0000000	1,917,199.54	0.00	7,642,013.29	0.00
0301487	Loring POI	495,505.63	0.00	138,108.36	633,613.99	138,108.36	1.0000000	0.0000000	495,505.63	0.00	633,613.99	0.00
0301510	Copperhead Switch	1,071,344.33	0.00	2,210,494.04	3,281,838.37	2,210,494.04	1.0000000	0.0000000	1,071,344.33	0.00	3,281,838.37	0.00
0301513	Thorn Tree Switch	1,500,663.10	75,028.13	10,991,626.57	12,567,217.80	11,066,654.70	0.9932203	0.0067797	1,490,389.80	10,173.30	12,482,016.37	85,201.43
0401449	Pflugerville, South Sw.	32,771.99	2,014.10	0.00	34,786.09	2,014.10	0.0000000	1.0000000	0.00	32,771.99	0.00	34,786.09
0401524	Buckhorn Switching Stallion	1,359,816.86	0.00	4,520,932.21	5,880,749.07	4,520,932.21	1.0000000	0.0000000	1,359,816.86	0.00	5,880,749.07	0.00
0401537	Big Onion Switch	1,103,142.98	0.00	4,828,733.17	5,931,876.15	4,828,733.17	1.0000000	0.0000000	1,103,142.98	0.00	5,931,876.15	0.00
0401538	EIrod Switch	880,553.67	0.00	4,726,866.29	5,607,419.96	4,726,866.29	1.0000000	0.0000000	880,553.67	0.00	5,607,419.96	0.00
0501517	Latigo POI	382,329.43	0.00	425,895.54	808,224.97	425,895.54	1.0000000	0.0000000	382,329.43	0.00	808,224.97	0.00
0601000	Fiddlewood Sw 345 KV Station	1,270,280.95	0.00	10,781,260.77	12,051,541.72	10,781,260.77	1.0000000	0.0000000	1,270,280.95	0.00	12,051,541.72	0.00
0601100	Double Mt Sw 345 KV Station	1,112,654.93	22,372.58	9,526,330.60	10,661,358.11	9,548,703.18	0.9976570	0.0023430	1,110,047.98	2,606.95	10,636,378.58	24,979.53
0601500	Blackwater Draw Sw 345KV	1,656,347.12	0.00	11,373,136.51	12,929,483.63	11,373,136.51	1.0000000	0.0000000	1,556,347.12	0.00	12,929,483.63	0.00
0602000	Folsom Point Switch	1,089,209.80	0.00	4,893,077.41	5,982,287.21	4,893,077.41	1.0000000	0.0000000	1,089,209.80	0.00	5,982,287.21	0.00
5172023	Mobile Auto MT038	0.00	0.00	2,703,013.02	2,703,013.02	2,703,013.02	1.0000000	0.0000000	0.00	0.00	2,703,013.02	0.00
5172043	Mobile Batt Trailer 18 BS	6,384.86	0.00	0.00	6,384.86	0.00	0.8900680	0.1099320	5,682.96	701.90	5,682.96	701.90
S610041	AJ Swope 345 KV	12,203.98	0.00	0.00	12,203.98	0.00	0.8900680	0.1099320	10,862.37	1,341.61	10,862.37	1,341.61
S610044	Farmland 345 KV	127,082.47	0.00	3,805,300.54	3,932,383.01	3,805,300.54	1.0000000	0.0000000	127,082.47	0.00	3,932,383.01	0.00
S610050	White River 345KV	22,617.79	0.00	0.00	22,617.79	0.00	0.8900680	0.1099320	20,131.37	2,486.42	20,131.37	2,486.42

406,107,881.82 348,946,705.10 2,825,258,375.69 3,580,312,962.61 3,174,205,080.79 361,237,844.53 44,870,037.29 3,186,496,220.22 393,816,742.39

Total 353 0.8900680 0.1099320

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 353 NTUSU ONLY**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: W. A. LEDBETTER

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 353 (T + G)	Total DIST of 353 (D + H)		
N006340	South Midland 138 - 25KV	950,280.67	2,831,242.37	1,120,596.45	4,902,119.49	3,951,838.82	0.2835633	0.7164367	269,464.72	680,815.95	1,390,061.17	3,512,058.32		
N006390	Telephone Road 345 KV Station	2,372,154.92	5,505,929.18	22,062,286.31	29,940,370.41	27,568,215.49	0.8002798	0.1997202	1,888,387.69	473,767.23	23,960,674.00	5,979,696.41		
N006520	Koch Tap	3,302,438.91	7,271,924.17	561,652.18	11,136,015.26	7,833,576.35	0.0716981	0.9283019	236,778.44	3,065,660.47	798,430.62	10,337,584.64		
N006130	Einstein 345 - 138 - 25KV	306,806.64	2,382,394.93	12,813,062.18	15,502,263.75	15,195,457.11	0.8432166	0.1567834	258,704.46	48,102.18	13,071,766.64	2,430,497.11		
N006280	Rocky Road 138 - 25KV	159,064.88	2,188,584.73	1,976,891.12	4,324,540.73	4,165,475.85	0.4745895	0.5254105	75,490.52	83,574.36	2,052,381.64	2,272,169.09		
N006370	Stiles 138 - 25KV	754,449.97	4,873,835.69	3,897,574.74	9,525,860.40	8,771,410.43	0.4443498	0.5556502	335,239.72	419,210.25	4,232,814.46	5,293,045.94		
N006300	Sale Ranch 138 - 25KV	247,968.58	1,992,374.06	3,699,961.12	5,940,303.76	5,692,335.18	0.6499900	0.3500100	161,177.10	86,791.48	3,861,138.22	2,079,165.54		
N006120	Eiland 138 - 25KV	1,039,848.18	2,258,866.74	2,473,124.31	5,771,839.23	4,731,991.05	0.5226393	0.4773607	543,465.49	496,382.69	3,016,589.80	2,755,249.43		
N006040	Buffalo 138 - 25KV	629,808.26	500,581.69	1,954,443.77	3,084,833.72	2,455,025.46	0.796092	0.2039008	501,389.84	128,418.42	2,455,833.61	629,000.11		
N006050	Bulldog 138 - 12.5KV	422,963.97	2,041,947.60	4,063,275.91	6,528,187.48	6,105,223.51	0.6655409	0.3344591	281,499.82	141,464.15	4,344,775.73	2,183,411.75		
N006330	Skywest 138KV	271,085.66	252,172.00	1,320,016.24	1,843,273.90	1,572,188.24	0.8396044	0.1603956	227,604.73	43,480.93	1,547,620.97	295,652.93		
N006410	Vealmoor 345 KV Station	180,626.36	287,012.85	9,596,749.88	10,064,389.09	9,883,762.73	0.9709612	0.0290388	175,381.18	5,245.18	9,772,131.06	292,258.03		
N006450	Alibates 345KV	900,374.62	627,710.71	22,175,257.94	23,703,343.27	22,802,968.65	0.9724724	0.0275276	875,589.48	24,785.14	23,050,847.42	652,495.85		
N006570	Ogallala 345KV	1,382,070.34	416,321.45	19,649,454.28	21,447,846.07	20,065,775.73	0.9792522	0.0207478	1,353,395.37	28,674.97	21,002,849.65	444,996.42		
N006660	Windmill 345KV	1,740,812.94	599,952.71	27,150,727.06	29,491,492.71	27,750,679.77	0.9783806	0.0216194	1,703,177.63	37,635.31	28,853,904.69	637,588.02		
N006440	AJ Swope 345 KV	1,356,502.29	601,881.64	18,815,030.91	20,773,414.84	19,416,912.55	0.9890022	0.0309978	1,314,453.70	42,048.59	20,129,484.61	643,930.23		
N006080	Clearfork 345KV	399,026.59	0.00	2,660,691.37	3,059,717.96	2,660,691.37	1.0000000	0.0000000	399,026.59	0.00	3,059,717.96	0.00		
N006380	Tall City 138 - 25KV	874,626.76	1,600,465.87	2,619,670.55	5,094,763.18	4,220,136.42	0.6207549	0.3792451	542,928.89	331,697.87	3,162,599.44	1,932,163.74		
N006650	White River 345KV	3,901,880.82	0.00	16,886,216.00	20,788,096.82	16,886,216.00	1.0000000	0.0000000	3,901,880.82	0.00	20,788,096.82	0.00		
N006020	Blue Acres 138 - 25KV	241,133.53	3,754,641.92	2,357,987.74	6,353,763.19	6,112,629.66	0.3857567	0.6142433	93,018.87	148,114.66	2,451,006.61	3,902,756.58		
N006240	Pemkiff 138KV	122,908.19	0.00	2,755,266.38	2,878,174.57	2,755,266.38	1.0000000	0.0000000	122,908.19	0.00	2,878,174.57	0.00		
N006250	Pronghorn 138 - 25KV	1,008,955.57	4,066,815.99	1,103,092.92	6,178,864.48	5,169,908.91	0.2133680	0.7866320	215,278.79	793,676.78	1,318,371.71	4,860,492.77		
N006430	Abernathy 345KV	0.00	0.00	253,422.57	253,422.57	253,422.57	1.0000000	0.0000000	0.00	0.00	253,422.57	0.00		
N006290	Roughneck Tap	1,023.09	0.00	532,687.22	533,710.31	532,687.22	1.0000000	0.0000000	1,023.09	0.00	533,710.31	0.00		
N006460	Alibates Synchronous Condenser	14,872,247.68	0.00	17,946,289.21	32,818,536.89	17,946,289.21	1.0000000	0.0000000	14,872,247.68	0.00	32,818,536.89	0.00		
N006510	Farmland 345 KV	205,223.91	0.00	3,046,421.21	3,251,645.12	3,046,421.21	1.0000000	0.0000000	205,223.91	0.00	3,251,645.12	0.00		
N006640	Tule Canyon Synchronous Condenser	14,985,910.32	0.00	17,553,664.56	32,539,574.88	17,553,664.56	1.0000000	0.0000000	14,985,910.32	0.00	32,539,574.88	0.00		
N006630	Tule Canyon 345KV	698,916.51	706,102.99	29,567,340.46	30,972,359.96	30,273,443.45	0.9766758	0.0233242	682,614.86	16,301.65	30,249,955.32	722,404.64		
53,329,110.16						250,612,854.59	348,702,724.04	295,373,613.88			46,233,261.90	7,095,848.26	296,846,116.49	51,856,607.55
									Total 353	0.8484605	0.1515395			

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
DC TIE INVESTMENT  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Construction Work Location	FERC Account	Description	Vintage Year	Total Investment	TRAN	DIST
0301505	352	YARD IMPROVEMENTS AND SURFACING	1997	46,940.71	46,940.71	
0301505	352	GROUNDING SYSTEM	2005	3,447.49	3,447.49	
0301505	352	ELECTRICAL SYSTEM	2014	573.31	573.31	
0301920	352	HVAC SYSTEM	1997	78,485.96	78,485.96	
0301920	352	YARD IMPROVEMENTS AND SURFACING	1997	454,697.84	454,697.84	
0301920	352	SERVICE BUILDING	1997	470,916.41	470,916.41	
0301920	352	PLUMBING SYSTEM	1997	78,485.96	78,485.96	
0301920	352	ELECTRICAL SYSTEM	1997	156,971.93	156,971.93	
0301920	352	ELECTRICAL SYSTEM	2014	10,706.80	10,706.80	
0301920	352	GROUNDING SYSTEM	2014	10,706.80	10,706.80	
0301920	352	ELECTRICAL SYSTEM	2015	2,964.59	2,964.59	
0301920	352	GROUNDING SYSTEM	2015	2,964.59	2,964.59	
0301920	352	OUTDOOR LIGHTING SYSTEM	2017	116,573.29	116,573.29	
0301920	352	GROUNDING SYSTEM	2017	233,146.61	233,146.61	
0301920	352	OUTDOOR LIGHTING SYSTEM	2018	6,327.52	6,327.52	
0301920	352	GROUNDING SYSTEM	2018	12,655.08	12,655.08	
0301920	352	OUTDOOR LIGHTING SYSTEM	2019	1.35	1.35	
0301920	352	GROUNDING SYSTEM	2019	2.70	2.70	
<b>352 Total</b>				<b>1,686,568.94</b>	<b>1,686,568.94</b>	<b>0 00</b>
0301505	353	STRUCTURES, 345KV	1974	0.00	0.00	
0301505	353	CONDUIT OR DUCT SYSTEM	1997	30,240.70	29,106.82	1,133.88
0301505	353	TRANSFORMER - AUXILIARY AND STATION SERVICE	1997	8,129.86	7,825.03	304.83
0301505	353	FENCES, PROTECTIVE	1997	2,134.56	2,054.52	80.04
0301505	353	BUILDING, ELECTRICAL EQUIPMENT	1997	26,979.80	25,968.19	1,011.61
0301505	353	SUPERVISORY CONTROL EQUIPMENT	1997	56,627.65	54,504.39	2,123.26
0301505	353	BUSS ASSEMBLY - 345KV	1997	138,647.19	138,647.19	
0301505	353	POWER CIRCUIT BREAKER 345 KV	1997	20,409.26	20,409.26	
0301505	353	SWITCHBOARD PANEL, INTERCONNECT METERING, 345KV	1997	25,481.45	25,481.45	
0301505	353	SWITCHBOARD PANEL, CONTROL CABLE, 345KV	1997	51,293.37	51,293.37	
0301505	353	STRUCTURES, 345KV	1997	262,736.94	262,736.94	
0301505	353	SWITCH 345 KV	1997	0.00	0.00	
0301505	353	SWITCH, AIRBREAK, 345KV	1997	484,501.51	484,501.51	
0301505	353	CARRIER X/MTR/RCVR, 345KV	1997	40,620.40	40,620.40	
0301505	353	CARRIER LINE TUNER, 345KV	1997	5,506.47	5,506.47	
0301505	353	CARRIER LINE TRAP, 345KV	1997	26,567.56	26,567.56	
0301505	353	COUPLING CAPACITOR, 345KV	1997	4,717.07	4,717.07	
0301505	353	BATTERY CHARGING SET	1998	0.00	0.00	0.00
0301505	353	STORAGE BATTERY	1998	0.00	0.00	0.00
0301505	353	SWITCHBOARD PANEL, BUS DIFFERENTIAL, 345KV	1998	0.00	0.00	
0301505	353	BATTERY CHARGING SET	1999	0.00	0.00	0.00
0301505	353	STORAGE BATTERY	1999	0.00	0.00	0.00
0301505	353	SWITCHBOARD PANEL, BUS DIFFERENTIAL, 345KV	1999	0.00	0.00	
0301505	353	STATION METERING	2002	0.00	0.00	
0301505	353	STATION METERING	2002	59,482.93	59,482.93	
0301505	353	TRANSFORMER, INSTRUMENT 0-60 KV	2002	0.00	0.00	0.00
0301505	353	TRANSFORMER, INSTRUMENT 0-60 KV	2002	15,517.28		15,517.28
0301505	353	TRANSFORMER, INSTRUMENT 345 KV	2002	0.00	0.00	
0301505	353	TRANSFORMER, INSTRUMENT 345 KV	2002	1,293.10	1,293.10	
0301505	353	TRANSFORMER, INSTRUMENT 345 KV	2002	0.00	0.00	
0301505	353	CONDUIT OR DUCT SYSTEM	2005	6,033.11	5,806.90	226.21
0301505	353	STORAGE BATTERY	2005	0.00	0.00	0.00
0301505	353	SUPERVISORY CONTROL EQUIPMENT	2005	184.07	177.17	6.90
0301505	353	TRANSFORMER, INSTRUMENT 0-60 KV	2005	861.87		861.87
0301505	353	TRANSFORMER, INSTRUMENT 0-60 KV	2005	6,953.96		6,953.96
0301505	353	BUSS ASSEMBLY - 345KV	2005	8,618.73	8,618.73	
0301505	353	CIRCUIT BREAKER, 3000 AMPERE, 345KV	2005	7,756.85	7,756.85	
0301505	353	SWITCHBOARD 345KV	2005	25,856.17	25,856.17	
0301505	353	RELAYS, 345KV	2005	1,723.74	1,723.74	
0301505	353	SWITCHBOARD PANEL, CONTROL CABLE, 345KV	2005	6,894.98	6,894.98	
0301505	353	SWITCHBOARD PANEL, CONTROL CABLE, 345KV	2005	772.66	772.66	
0301505	353	STRUCTURES, 345KV	2005	14,651.83	14,651.83	
0301505	353	SWITCH, AIRBREAK, 345KV	2005	10,342.47	10,342.47	
0301505	353	BATTERY CHARGING SET	2008	280.50	269.98	10.52
0301505	353	CONDUIT OR DUCT SYSTEM	2008	0.00	0.00	0.00
0301505	353	CONDUIT OR DUCT SYSTEM	2008	1,178.69	1,134.49	44.20
0301505	353	SUPERVISORY CONTROL EQUIPMENT	2008	7,822.24	7,528.94	293.30
0301505	353	SWITCHBOARD PANEL, CONTROL CABLE, 0-60KV	2008	1,714.46		1,714.46
0301505	353	STORAGE BATTERY	2009	0.00	0.00	0.00
0301505	353	HEATING - VENTILATING - AIR CONDITIONING SYSTEM	2009	183.95	177.05	6.90
0301505	353	BATTERY CHARGING SET	2010	786.35	756.87	29.48
0301505	353	STATION METERING	2011	(14,491.51)	(14,491.51)	
0301505	353	TRANSFORMER, INSTRUMENT 0-60 KV	2011	(3,780.39)		(3,780.39)
0301505	353	TRANSFORMER, INSTRUMENT 345 KV	2011	(315.03)	(315.03)	
0301505	353	TRANSFORMER, INSTRUMENT 345 KV	2011	(12,916.34)	(12,916.34)	
0301505	353	TRANSFORMER, INSTRUMENT 345 KV	2011	52,673.99	52,673.99	
0301505	353	SWITCHBOARD PANEL, BUS DIFFERENTIAL, 345KV	2014	53,097.51	53,097.51	

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**DC TIE INVESTMENT**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Construction Work Location	FERC Account	Description	Vintage Year	Total Investment	TRAN	DIST
0301505	353	SWITCHBOARD PANEL, LINE RELAYING, 345KV	2014	112,441.80	112,441.80	
0301505	353	SWITCHBOARD PANEL, BUS DIFFERENTIAL, 345KV	2015	(5,401.15)	(5,401.15)	
0301505	353	SWITCHBOARD PANEL, LINE RELAYING, 345KV	2015	(11,437.70)	(11,437.70)	
0301505	353	SWITCHBOARD PANEL, BUS DIFFERENTIAL, 345KV	2016	(374.24)	(374.24)	
0301505	353	SWITCHBOARD PANEL, LINE RELAYING, 345KV	2016	(792.50)	(792.50)	
0301505	353	COUPLING CAPACITOR, 345KV	2016	50,675.10	50,675.10	
0301505	353	SWITCHBOARD PANEL, BUS DIFFERENTIAL, 345KV	2017	(25.87)	(25.87)	
0301505	353	SWITCHBOARD PANEL, LINE RELAYING, 345KV	2017	(54.81)	(54.81)	
0301505	353	STORAGE BATTERY	2018	1,716.83	1,652.46	64.37
0301505	353	STORAGE BATTERY	2019	1,714.07	1,649.80	64.27
0301920	353	CRANE OR HOIST	1997	218,858.49	129,648.22	89,210.27
0301920	353	FIRE PROTECTION SYSTEM	1997	328,448.86	194,567.78	133,881.08
0301920	353	STORAGE BATTERY	1997	80,581.31	47,735.06	32,846.25
0301920	353	TRANSFORMER - AUXILIARY AND STATION SERVICE	1997	132,153.23	78,285.43	53,867.80
0301920	353	BUILDING, ELECTRICAL EQUIPMENT	1997	547,146.53	324,120.73	223,025.80
0301920	353	HEATING - VENTILATING - AIR CONDITIONING SYSTEM	1997	109,429.24	64,824.11	44,605.13
0301920	353	BUSS ASSEMBLY - 0 - 60KV	1997	2,844,860.23		2,844,860.23
0301920	353	SWITCHGEAR, METAL ENCLOSED 0-60 KV	1997	93,474.37		93,474.37
0301920	353	CAPACITOR BANK 345 KV	1997	803,265.99	803,265.99	
0301920	353	POWER CIRCUIT BREAKER 345 KV	1997	996,374.45	996,374.45	
0301920	353	REACTOR OR RESISTOR 345 KV (OBSOLETE JUN 2009)	1997	1,560,729.46	1,560,729.46	
0301920	353	SWITCH 345 KV	1997	0.00	0.00	
0301920	353	TRANSFORMER, POWER 345 KV	1997	6,777,110.07		6,777,110.07
0301920	353	CARRIER CURRENT TONE AND TRANSFER TRIP EQUIP345 KV	1997	150,928.70	150,928.70	
0301920	353	TRANSFORMER, INSTRUMENT 345 KV	1997	325,135.06	325,135.06	
0301920	353	CIRCUIT BREAKER, 3000 AMPERE, 345KV	2003	17,562.26	17,562.26	
0301920	353	SWITCH, DISCONNECT, 345KV	2003	17,562.26	17,562.26	
0301920	353	TRANSFORMER, AUTO 345 KV	2003	215,764.98	215,764.98	
0301920	353	FIRE PROTECTION SYSTEM	2011	53,184.22	31,505.47	21,678.75
0301920	353	CONDUIT OR DUCT SYSTEM	2014	10,706.80	6,342.53	4,364.27
0301920	353	TRANSFORMER - AUXILIARY AND STATION SERVICE	2014	10,706.80	6,342.53	4,364.27
0301920	353	BUSS ASSEMBLY - 0 - 60KV	2014	10,706.80		10,706.80
0301920	353	BUSS ASSEMBLY - 0 - 60KV	2014	10,706.80		10,706.80
0301920	353	FUSE EQUIPMENT 0-60 KV	2014	10,706.80		10,706.80
0301920	353	SWITCHBOARD PANEL, STATION METERING, 0-60KV	2014	10,706.80		10,706.80
0301920	353	SWITCHBOARD PANEL, CONTROL CABLE, 0-60KV	2014	10,706.80		10,706.80
0301920	353	STRUCTURES, 0-60KV	2014	10,706.80		10,706.80
0301920	353	SWITCH, AIRBREAK, 0-60KV	2014	10,706.80		10,706.80
0301920	353	MOTOR OPERATORS, 0-60KV	2014	10,706.80		10,706.80
0301920	353	TRANSFORMER, INSTRUMENT 0-60 KV	2014	10,706.80		10,706.80
0301920	353	SWITCHBOARD PANEL, TRANSFORMER DIFFERENTIAL, 138KV	2014	21,413.60	21,413.60	
0301920	353	SWITCHBOARD PANEL, CONTROL CABLE, 138KV	2014	10,706.80	10,706.80	
0301920	353	SWITCH, GROUNDING, 138KV	2014	7,066.13	7,066.13	
0301920	353	MOTOR OPERATORS, 138KV	2014	10,706.80	10,706.80	
0301920	353	BUSS ASSEMBLY - 345KV	2014	14,507.30	14,507.30	
0301920	353	BUSS ASSEMBLY - 345KV	2014	10,706.80	10,706.80	
0301920	353	BUSS ASSEMBLY - 345KV	2014	10,706.80	10,706.80	
0301920	353	LIGHTNING ARRESTOR 345 KV	2014	10,706.80	10,706.80	
0301920	353	CIRCUIT BREAKER, 3000 AMPERE, 345KV	2014	53,534.01	53,534.01	
0301920	353	SWITCHBOARD PANEL, LINE RELAYING, 345KV	2014	21,760.96	21,760.96	
0301920	353	SWITCHBOARD PANEL, LINE RELAYING, 345KV	2014	10,706.80	10,706.80	
0301920	353	SWITCHBOARD PANEL, CONTROL CABLE, 345KV	2014	10,706.80	10,706.80	
0301920	353	REACTOR OR RESISTOR 345 KV (OBSOLETE JUN 2009)	2014	652,828.94	652,828.94	
0301920	353	STRUCTURES, 345KV	2014	10,706.80	10,706.80	
0301920	353	SWITCH, AIRBREAK, 345KV	2014	21,760.96	21,760.96	
0301920	353	MOTOR OPERATORS, 345KV	2014	10,706.80	10,706.80	
0301920	353	TRANSFORMER, POWER 345 KV	2014	14,507.30	14,507.30	
0301920	353	CONDUIT OR DUCT SYSTEM	2015	2,964.59	1,756.18	1,208.41
0301920	353	TRANSFORMER - AUXILIARY AND STATION SERVICE	2015	2,964.59	1,756.18	1,208.41
0301920	353	BUSS ASSEMBLY - 0 - 60KV	2015	2,964.59		2,964.59
0301920	353	BUSS ASSEMBLY - 0 - 60KV	2015	2,964.59		2,964.59
0301920	353	FUSE EQUIPMENT 0-60 KV	2015	2,964.59		2,964.59
0301920	353	SWITCHBOARD PANEL, STATION METERING, 0-60KV	2015	2,964.59		2,964.59
0301920	353	SWITCHBOARD PANEL, CONTROL CABLE, 0-60KV	2015	2,964.59		2,964.59
0301920	353	STRUCTURES, 0-60KV	2015	2,964.59		2,964.59
0301920	353	SWITCH, AIRBREAK, 0-60KV	2015	2,964.59		2,964.59
0301920	353	MOTOR OPERATORS, 0-60KV	2015	2,964.59		2,964.59
0301920	353	TRANSFORMER, INSTRUMENT 0-60 KV	2015	2,964.59		2,964.59
0301920	353	SWITCHBOARD PANEL, TRANSFORMER DIFFERENTIAL, 138KV	2015	5,929.20	5,929.20	
0301920	353	SWITCHBOARD PANEL, CONTROL CABLE, 138KV	2015	2,964.59	2,964.59	
0301920	353	MOTOR OPERATORS, 138KV	2015	2,964.59	2,964.59	
0301920	353	BUSS ASSEMBLY - 345KV	2015	2,964.59	2,964.59	

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**DC TIE INVESTMENT**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: W. A. LEDBETTER

Construction Work Location	FERC Account	Description	Vintage Year	Total Investment	TRAN	DIST
0301920	353	BUSS ASSEMBLY - 345KV	2015	2,964.59	2,964.59	
0301920	353	LIGHTNING ARRESTOR 345 KV	2015	2,964.59	2,964.59	
0301920	353	CIRCUIT BREAKER, 3000 AMPERE, 345KV	2015	14,823.02	14,823.02	
0301920	353	SWITCHBOARD PANEL, LINE RELAYING, 345KV	2015	2,964.59	2,964.59	
0301920	353	SWITCHBOARD PANEL, CONTROL CABLE, 345KV	2015	2,964.59	2,964.59	
0301920	353	STRUCTURES, 345KV	2015	2,964.59	2,964.59	
0301920	353	SWITCH, AIRBREAK, 345KV	2015	2,964.59	2,964.59	
0301920	353	TRANSFORMER, POWER 345 KV	2015	204,558.67		204,558.67
0301920	353	TRANSFORMER, INSTRUMENT 345 KV	2015	2,964.59	2,964.59	
0301920	353	CONDUIT OR DUCT SYSTEM	2017	116,573.29	69,056.13	47,517.16
0301920	353	CONTROL CENTER AND ELECTRICAL EQUIP.	2017	816,013.15	483,392.96	332,620.19
0301920	353	BUSS ASSEMBLY - 0 - 60KV	2017	116,573.29		116,573.29
0301920	353	BUSS ASSEMBLY - 138KV	2017	116,573.29	116,573.29	
0301920	353	SWITCHBOARD PANEL, CONTROL CABLE, 138KV	2017	116,573.29	116,573.29	
0301920	353	MOTOR OPERATORS, 138KV	2017	1,165,733.09	1,165,733.09	
0301920	353	BUSS ASSEMBLY - 345KV	2017	116,573.29	116,573.29	
0301920	353	BUSS ASSEMBLY - 345KV	2017	233,146.61	233,146.61	
0301920	353	BUSS ASSEMBLY - 345KV	2017	233,146.61	233,146.61	
0301920	353	CAPACITOR BANK 345 KV	2017	582,866.54	582,866.54	
0301920	353	LIGHTNING ARRESTOR 345 KV	2017	233,146.61	233,146.61	
0301920	353	CIRCUIT BREAKER, 3000 AMPERE, 345KV	2017	582,866.54	582,866.54	
0301920	353	CIRCUIT BREAKER, 3000 AMPERE, 345KV	2017	1,165,733.44	1,165,733.44	
0301920	353	SWITCHBOARD 345KV	2017	582,866.54	582,866.54	
0301920	353	SWITCHBOARD PANEL, LINE RELAYING, 345KV	2017	582,866.54	582,866.54	
0301920	353	SWITCHBOARD PANEL, CONTROL CABLE, 345KV	2017	233,146.61	233,146.61	
0301920	353	REACTOR OR RESISTOR 345 KV (OBSOLETE JUN 2009)	2017	582,866.54	582,866.54	
0301920	353	REACTOR 345KV	2017	582,866.54	582,866.54	
0301920	353	STRUCTURES, 345KV	2017	233,146.61	233,146.61	
0301920	353	SWITCH, AIRBREAK, 345KV	2017	1,165,733.09	1,165,733.09	
0301920	353	SWITCH, DISCONNECT, 345KV	2017	582,866.54	582,866.54	
0301920	353	COUPLING CAPACITOR, 345KV	2017	582,866.54	582,866.54	
0301920	353	TRANSFORMER, INSTRUMENT 345 KV	2017	582,866.54	582,866.54	
0301920	353	CONDUIT OR DUCT SYSTEM	2018	6,327.52	3,748.32	2,579.20
0301920	353	CONTROL CENTER AND ELECTRICAL EQUIP.	2018	44,292.88	26,238.38	18,054.50
0301920	353	BUSS ASSEMBLY - 0 - 60KV	2018	6,327.52		6,327.52
0301920	353	BUSS ASSEMBLY - 138KV	2018	6,327.52	6,327.52	
0301920	353	SWITCHBOARD PANEL, CONTROL CABLE, 138KV	2018	6,327.52	6,327.52	
0301920	353	MOTOR OPERATORS, 138KV	2018	63,275.55	63,275.55	
0301920	353	BUSS ASSEMBLY - 345KV	2018	6,327.52	6,327.52	
0301920	353	BUSS ASSEMBLY - 345KV	2018	12,655.08	12,655.08	
0301920	353	BUSS ASSEMBLY - 345KV	2018	12,655.08	12,655.08	
0301920	353	CAPACITOR BANK 345 KV	2018	31,637.77	31,637.77	
0301920	353	LIGHTNING ARRESTOR 345 KV	2018	12,655.08	12,655.08	
0301920	353	CIRCUIT BREAKER, 3000 AMPERE, 345KV	2018	31,637.77	31,637.77	
0301920	353	CIRCUIT BREAKER, 3000 AMPERE, 345KV	2018	63,276.37	63,276.37	
0301920	353	SWITCHBOARD 345KV	2018	31,637.77	31,637.77	
0301920	353	SWITCHBOARD PANEL, LINE RELAYING, 345KV	2018	31,637.77	31,637.77	
0301920	353	SWITCHBOARD PANEL, CONTROL CABLE, 345KV	2018	12,655.08	12,655.08	
0301920	353	REACTOR OR RESISTOR 345 KV (OBSOLETE JUN 2009)	2018	31,637.77	31,637.77	
0301920	353	REACTOR 345KV	2018	31,637.77	31,637.77	
0301920	353	STRUCTURES, 345KV	2018	12,655.08	12,655.08	
0301920	353	SWITCH, AIRBREAK, 345KV	2018	63,275.55	63,275.55	
0301920	353	SWITCH, DISCONNECT, 345KV	2018	31,637.77	31,637.77	
0301920	353	COUPLING CAPACITOR, 345KV	2018	31,637.77	31,637.77	
0301920	353	TRANSFORMER, INSTRUMENT 345 KV	2018	31,637.77	31,637.77	
0301920	353	CONDUIT OR DUCT SYSTEM	2019	1.35	0.80	0.55
0301920	353	CONTROL CENTER AND ELECTRICAL EQUIP.	2019	9.46	5.60	3.86
0301920	353	BUSS ASSEMBLY - 0 - 60KV	2019	1.35		1.35
0301920	353	BUSS ASSEMBLY - 138KV	2019	1.35	1.35	
0301920	353	SWITCHBOARD PANEL, CONTROL CABLE, 138KV	2019	1.35	1.35	
0301920	353	MOTOR OPERATORS, 138KV	2019	13.51	13.51	
0301920	353	BUSS ASSEMBLY - 345KV	2019	1.35	1.35	
0301920	353	BUSS ASSEMBLY - 345KV	2019	2.70	2.70	
0301920	353	BUSS ASSEMBLY - 345KV	2019	2.70	2.70	
0301920	353	CAPACITOR BANK 345 KV	2019	6.75	6.75	
0301920	353	LIGHTNING ARRESTOR 345 KV	2019	2.70	2.70	
0301920	353	CIRCUIT BREAKER, 3000 AMPERE, 345KV	2019	6.75	6.75	
0301920	353	CIRCUIT BREAKER, 3000 AMPERE, 345KV	2019	13.65	13.65	
0301920	353	SWITCHBOARD 345KV	2019	6.75	6.75	
0301920	353	SWITCHBOARD PANEL, LINE RELAYING, 345KV	2019	6.75	6.75	
0301920	353	SWITCHBOARD PANEL, CONTROL CABLE, 345KV	2019	2.70	2.70	
0301920	353	REACTOR OR RESISTOR 345 KV (OBSOLETE JUN 2009)	2019	6.75	6.75	
0301920	353	REACTOR 345KV	2019	6.75	6.75	
0301920	353	STRUCTURES, 345KV	2019	2.70	2.70	
0301920	353	SWITCH, AIRBREAK, 345KV	2019	13.51	13.51	
0301920	353	SWITCH, DISCONNECT, 345KV	2019	6.75	6.75	

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
DC TIE INVESTMENT  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Construction Work Location	FERC Account	Description	Vintage Year	Total Investment	TRAN	DIST
0301920	353	COUPLING CAPACITOR, 345KV	2019	6.75	6.75	
0301920	353	TRANSFORMER, INSTRUMENT 345 KV	2019	6.75	6.75	
	353 Total			30,852,548.71	18,896,457.18	11,956,091.53
	Grand Total			32,539,117.65	20,583,026.12	11,956,091.53

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**DISTRIBUTION CAPACITOR BANKS CLASSIFIED AS TCOS**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: W. A. LEDBETTER

Location	Location Name	FERC Account	Property Unit	Property Unit Description	Amount	Meets 3 Prong Test to be Classified as TCOS
0000503	Alpha Rd S/Sta T&D	362	0060	CAPACITOR BANK STATION	142,960.71	Yes
0000504	Welch Rd S/Sta T&D	362	0060	CAPACITOR BANK STATION	43,981.30	Yes
0000505	Amelia S/Sta T&D	362	0060	CAPACITOR BANK STATION	40,099.15	Yes
0000506	Belt Line S/Sta T&D	362	0060	CAPACITOR BANK STATION	47,474.45	Yes
0000507	Blackwell St S/Sta T&D	362	0060	CAPACITOR BANK STATION	38,864.06	No
0000507	Blackwell St S/Sta T&D	362	106A	CAPACITOR UNIT 0-60KV	10,826.45	No
0000508	Buntin Dr S/Sta T&D	362	0060	CAPACITOR BANK STATION	20,698.63	Yes
0000509	Calumet S/Sta T&D	362	0060	CAPACITOR BANK STATION	35,049.89	Yes
0000509	Calumet S/Sta T&D	362	106A	CAPACITOR UNIT 0-60KV	2,533.01	Yes
0000511	Cedar Crest S/Sta T&D	362	0060	CAPACITOR BANK STATION	102,990.25	No
0000512	Central Exp S/Sta T&D	362	0060	CAPACITOR BANK STATION	32,088.92	Yes
0000513	Chancellor Row S/Sta T&D	362	0060	CAPACITOR BANK STATION	42,419.29	Yes
0000514	Compton St S/Sta T&D	362	0060	CAPACITOR BANK STATION	22,122.54	Yes
0000517	Dragon St S/Sta T&D	362	0060	CAPACITOR BANK STATION	20,596.52	Yes
0000519	East Network S/Station T&D	362	0060	CAPACITOR BANK STATION	202.27	No
0000520	Davis St S/Sta T&D	362	0060	CAPACITOR BANK STATION	41,360.74	Yes
0000521	East Zacha S/Station T&D	362	0060	CAPACITOR BANK STATION	33,456.95	Yes
0000522	Fairmont S/Sta T&D	362	0060	CAPACITOR BANK STATION	193,048.36	Yes
0000523	Garland Rd S/Station T&D	362	0060	CAPACITOR BANK STATION	126,415.73	Yes
0000524	Greenville Ave S/Station T&D	362	0060	CAPACITOR BANK STATION	150,074.80	Yes
0000524	Greenville Ave S/Station T&D	362	106A	CAPACITOR UNIT 0-60KV	4,284.90	Yes
0000525	Haskell Ave S/Station T&D	362	0060	CAPACITOR BANK STATION	85,834.57	Yes
0000526	Thornton East S/Station T&D	362	0060	CAPACITOR BANK STATION	51,093.15	Yes
0000526	Thornton East S/Station T&D	362	106A	CAPACITOR UNIT 0-60KV	1,194.73	Yes
0000527	Lake Highlands S/Station T&D	362	0060	CAPACITOR BANK STATION	126,041.39	Yes
0000528	Lakemont S/Sta T&D	362	0060	CAPACITOR BANK STATION	32,540.61	Yes
0000529	Lawther Dr S/Station T&D	362	0060	CAPACITOR BANK STATION	8,271.32	Yes
0000529	Lawther Dr S/Station T&D	362	106A	CAPACITOR UNIT 0-60KV	143,868.26	Yes
0000530	Lomo Alto S/Sta T&D	362	0060	CAPACITOR BANK STATION	73,422.25	Yes
0000531	Maple Ave S/Sta T&D	362	0060	CAPACITOR BANK STATION	37,734.05	Yes
0000532	Marsh Ln S/Sta T&D	362	0060	CAPACITOR BANK STATION	41,640.04	Yes
0000533	Morrison Ln S/Station T&D	362	0060	CAPACITOR BANK STATION	17,501.29	Yes
0000533	Morrison Ln S/Station T&D	362	106A	CAPACITOR UNIT 0-60KV	7,479.36	Yes
0000536	Plano Rd S/Sta T&D	362	0060	CAPACITOR BANK STATION	40,202.23	No
0000536	Plano Rd S/Sta T&D	362	106A	CAPACITOR UNIT 0-60KV	2,573.07	No
0000537	Pleasant Grove S/Station T&D	362	0060	CAPACITOR BANK STATION	23,321.06	Yes
0000538	Polk St S/Sta T&D	362	0060	CAPACITOR BANK STATION	42,715.57	Yes
0000539	Record Crossing S/Station T&D	362	0060	CAPACITOR BANK STATION	44,570.39	Yes
0000540	St Augustine S/Station T&D	362	0060	CAPACITOR BANK STATION	28,572.81	Yes
0000541	Scyene Rd S/Sta T&D	362	106A	CAPACITOR UNIT 0-60KV	7,046.33	No
0000543	South Oak Cliff S/Station T&D	362	0060	CAPACITOR BANK STATION	43,036.44	Yes
0000546	Wall St S/Sta T&D	362	0060	CAPACITOR BANK STATION	84,333.81	Yes
0000547	West Dallas S/Station T&D	362	0060	CAPACITOR BANK STATION	1,836.08	Yes
0000548	Westmoreland S/Station T&D	362	0060	CAPACITOR BANK STATION	42,079.69	Yes
0000549	White Rock S/Station T&D	362	0060	CAPACITOR BANK STATION	12,876.04	Yes
0000550	Matilda S/Sta T&D	362	0060	CAPACITOR BANK STATION	44,267.68	Yes
0000551	Simpson Stuart S/Station T&D	362	0060	CAPACITOR BANK STATION	136,227.74	Yes
0000553	Hampton Rd S/Station T&D	362	0060	CAPACITOR BANK STATION	125,061.91	No
0000554	Prairie Creek S/Station T&D	362	0060	CAPACITOR BANK STATION	45,634.94	No
0000555	So Hampton S/Station T&D	362	0060	CAPACITOR BANK STATION	58,705.11	Yes
0000556	Meadowcreek S/Station T&D	362	0060	CAPACITOR BANK STATION	121,753.58	Yes
0000557	Collville S/Sta T&D	362	0060	CAPACITOR BANK STATION	42,019.19	Yes
0000558	Armstrong S/Sta T&D	362	0060	CAPACITOR BANK STATION	61,734.41	Yes
0000560	Cockrell Hill S/Sta T&D	362	0060	CAPACITOR BANK STATION	42,376.32	Yes
0000561	Cockrell Hill S/Sta T&D	362	106A	CAPACITOR UNIT 0-60KV	1,869.16	Yes
0000561	Preston North S/Station T&D	362	0060	CAPACITOR BANK STATION	46,677.67	Yes
0000561	Preston North S/Station T&D	362	106A	CAPACITOR UNIT 0-60KV	3,351.95	Yes
0000562	Regal Row S/Sta T&D	362	0060	CAPACITOR BANK STATION	42,273.92	Yes
0000563	Abrams Rd S/Sta T&D	362	0060	CAPACITOR BANK STATION	41,747.09	Yes
0000565	Schroeder Rd S/Station T&D	362	0060	CAPACITOR BANK STATION	45,310.13	Yes
0000566	Centerville Rd S/Sta T&D	362	0060	CAPACITOR BANK STATION	43,905.87	No
0000567	Forestview S/Station T&D	362	0060	CAPACITOR BANK STATION	43,870.25	Yes
0000568	Bandera S/Sta T&D	362	0060	CAPACITOR BANK STATION	49,859.66	Yes
0000569	Bryan St S/Sta T&D	362	0060	CAPACITOR BANK STATION	147,704.05	Yes
0000569	Bryan St S/Sta T&D	362	106A	CAPACITOR UNIT 0-60KV	2,949.44	Yes
0000571	Crown Rd S/Sta T&D	362	0060	CAPACITOR BANK STATION	43,326.33	Yes
0000572	Murdock Rd S/Station T&D	362	0060	CAPACITOR BANK STATION	46,510.30	Yes
0000573	Southerland S/Station T&D	362	0060	CAPACITOR BANK STATION	53,222.96	Yes
0000573	Southerland S/Station T&D	362	106A	CAPACITOR UNIT 0-60KV	5,604.31	Yes
0000574	Fair Oaks S/Sta T&D	362	0060	CAPACITOR BANK STATION	79,172.06	Yes
0000574	Fair Oaks S/Sta T&D	362	115A	REACTOR 0-60 KV	10,125.04	Yes
0000575	Coit Rd S/Sta T&D	362	0060	CAPACITOR BANK STATION	171,834.09	Yes
0000575	Coit Rd S/Sta T&D	362	115A	REACTOR 0-60 KV	102,899.97	Yes
0000577	Sorcery Rd S/Sta T&D	362	0060	CAPACITOR BANK STATION	107,704.35	Yes
0000579	North Parkway S/Station T&D	362	0060	CAPACITOR BANK STATION	243,004.32	Yes

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**DISTRIBUTION CAPACITOR BANKS CLASSIFIED AS TCOS**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: W. A. LEDBETTER

Location	Location Name	FERC Account	Property Unit	Property Unit Description	Amount	Meets 3 Prong Test to be Classified as TCOS
0000581	Frankford Rd S/Station T&D	362	0060	CAPACITOR BANK STATION	162,674.84	Yes
0000582	Judd Court Rd S/Station T&D	362	0060	CAPACITOR BANK STATION	188,566.77	Yes
0000583	Kleburg S/Sta T&D	362	0060	CAPACITOR BANK STATION	143,339.01	Yes
0000585	Knoll Trail S/Station T&D	362	0060	CAPACITOR BANK STATION	153,076.93	Yes
0000586	North Network S/Station T&D	362	0060	CAPACITOR BANK STATION	788,246.75	Yes
0000589	Reagan St S/Sta T&D	362	0060	CAPACITOR BANK STATION	80,379.11	Yes
0000589	Reagan St S/Sta T&D	362	106A	CAPACITOR UNIT 0-60KV	190,928.99	Yes
0000590	Lovebird S/Sta T&D	362	0060	CAPACITOR BANK STATION	160,851.75	Yes
0000595	Empire Central S/Station T&D	362	0060	CAPACITOR BANK STATION	113,450.47	No
0000595	Empire Central S/Station T&D	362	106A	CAPACITOR UNIT 0-60KV	9,519.23	No
0000602	WESTMORELAND, NORTH SUBSTATION	362	0060	CAPACITOR BANK STATION	45,495.43	No
0000610	Inwood Road	362	106A	CAPACITOR UNIT 0-60KV	50,759.20	Yes
0000705	Lombardy S/Sta T&D	362	0060	CAPACITOR BANK STATION	131,185.71	Yes
0000708	Walnut Street	362	0060	CAPACITOR BANK STATION	95,210.79	Yes
0005110	Eastland 69-12.5Kv	362	115A	REACTOR 0-60 KV	103,863.72	No
0005154	Arlington 138-12.5Kv	362	106A	CAPACITOR UNIT 0-60KV	9,628.25	No
0005192	Carswell Air Force Base 13	362	0060	CAPACITOR BANK STATION	2,258.77	No
0005225	Electric Power Dist 138Kv	362	0060	CAPACITOR BANK STATION	130,098.78	No
0005268	Heritage 138-13.2KV	362	0060	CAPACITOR BANK STATION	301,007.25	No
0005268	Heritage 138-13.2KV	362	106A	CAPACITOR UNIT 0-60KV	11,935.94	No
0005282	Laguna Vista 69-25Kv	362	0060	CAPACITOR BANK STATION	42,617.84	Yes
0005282	Laguna Vista 69-25Kv	362	106A	CAPACITOR UNIT 0-60KV	3,224.08	Yes
0005287	Mansfield 138-25Kv	362	106A	CAPACITOR UNIT 0-60KV	4,634.16	No
0005370	Trailwood 138-25Kv	362	0060	CAPACITOR BANK STATION	50,835.15	No
0005456	Brand 138-12.5Kv	362	0060	CAPACITOR BANK STATION	114,069.27	No
0005491	Sacroc 138-12.5Kv	362	0060	CAPACITOR BANK STATION	204,272.61	No
0005495	Scurry-Chevron 138-12 5Kv	362	0060	CAPACITOR BANK STATION	135,424.32	No
0005525	Westbrook 69-12.5Kv	362	0060	CAPACITOR BANK STATION	66,284.95	No
0005566	Barnsley 69-12.5Kv	362	0060	CAPACITOR BANK STATION	474.28	No
0005584	Dollarhide 138-22Kv	362	0060	CAPACITOR BANK STATION	93,321.73	No
0005597	Elmar 138-22Kv	362	0060	CAPACITOR BANK STATION	1,746.49	No
0005619	Goldsmith 69-12 5Kv	362	0060	CAPACITOR BANK STATION	27,174.82	No
0005655	Midland Basin 69-4 16Kv	362	0060	CAPACITOR BANK STATION	109,131.49	No
0005661	MIDLAND GULF 69-4,16KV	362	0060	CAPACITOR BANK STATION	119,081.38	No
0005672	Mockingbird 138-12 5Kv	362	0060	CAPACITOR BANK STATION	1,889.76	No
0005676	North Cowden 69-12 5Kv	362	115A	REACTOR 0-60 KV	18,048.99	No
0005871	Bowie 69-12.5Kv	362	0060	CAPACITOR BANK STATION	860.49	No
0005882	Cryovac 69-12.5Kv	362	0060	CAPACITOR BANK STATION	2,866.55	Yes
0005883	Electra 69-12.5Kv	362	106A	CAPACITOR UNIT 0-60KV	314,540.86	No
0005883	Electra 69-12.5Kv	362	106B	CAPACITOR RACK & COMPONENTS 0-60KV	44,934.41	No
0005913	Seymour 69-12 5/2 4Kv	362	106B	CAPACITOR RACK & COMPONENTS 0-60KV	8,382.02	No
0005916	Seymour Basin 69-4 1Kv	362	0060	CAPACITOR BANK STATION	6,630.96	No
0005925	Iatan-Magnolia 69-2 4Kv	362	0060	CAPACITOR BANK STATION	142.81	No
0005928	Wichita Falls Basin 69Kv	362	0060	CAPACITOR BANK STATION	6,515.73	No
0101360	Caddo Mills,Explorer	362	0060	CAPACITOR BANK STATION	39,569.47	Yes
0101360	Caddo Mills,Explorer	362	106A	CAPACITOR UNIT 0-60KV	5,356.99	Yes
0101363	Maypearl Texaco 69KV	362	106A	CAPACITOR UNIT 0-60KV	1,468.04	No
0101404	Irving 138Kv	362	0060	CAPACITOR BANK STATION	90,141.64	Yes
0101404	Irving 138Kv	362	106A	CAPACITOR UNIT 0-60KV	8,586.85	Yes
0101408	Irving, North 138Kv	362	0060	CAPACITOR BANK STATION	106,573.49	Yes
0101408	Irving, North 138Kv	362	106A	CAPACITOR UNIT 0-60KV	20,236.63	Yes
0101409	Richardson, 138Kv	362	0060	CAPACITOR BANK STATION	118,899.26	Yes
0101411	Desoto-Pleasant Run,138Kv	362	0060	CAPACITOR BANK STATION	122,782.29	Yes
0101411	Desoto-Pleasant Run,138Kv	362	106A	CAPACITOR UNIT 0-60KV	19,217.92	Yes
0101421	Lancaster,138Kv	362	0060	CAPACITOR BANK STATION	67,048.14	Yes
0101421	Lancaster,138Kv	362	106A	CAPACITOR UNIT 0-60KV	4,756.55	Yes
0101430	Carrollton, 138Kv	362	0060	CAPACITOR BANK STATION	211,342.85	Yes
0101430	Carrollton, 138Kv	362	106A	CAPACITOR UNIT 0-60KV	34,589.26	Yes
0101436	Garland-Dalrock Rd. 138Kv	362	0060	CAPACITOR BANK STATION	58,079.27	Yes
0101436	Garland-Dalrock Rd 138Kv	362	106A	CAPACITOR UNIT 0-60KV	9,295.90	Yes
0101438	Plano, 138Kv	362	0060	CAPACITOR BANK STATION	59,954.08	Yes
0101439	Mesquite, North 138Kv	362	0060	CAPACITOR BANK STATION	62,967.14	Yes
0101439	Mesquite, North 138Kv	362	106A	CAPACITOR UNIT 0-60KV	5,718.39	Yes
0101444	Carrollton-Josey Lane	362	106A	CAPACITOR UNIT 0-60KV	7,427.47	Yes
0101445	Farmers Branch,138Kv	362	106A	CAPACITOR UNIT 0-60KV	12,363.31	Yes
0101449	Rowlett 138Kv	362	0060	CAPACITOR BANK STATION	57,712.15	Yes
0101449	Rowlett 138Kv	362	106A	CAPACITOR UNIT 0-60KV	33,462.06	Yes
0101451	Desoto-Hampton Road,138Kv	362	0060	CAPACITOR BANK STATION	73,383.77	Yes
0101452	Crandall 138Kv	362	106A	CAPACITOR UNIT 0-60KV	2,918.32	No
0101454	Airport, S W 138Kv	362	0060	CAPACITOR BANK STATION	14,389.14	No
0101456	Garland 138Kv	362	0060	CAPACITOR BANK STATION	51,252.05	Yes
0101456	Garland 138Kv	362	106A	CAPACITOR UNIT 0-60KV	5,464.98	Yes
0101457	Garland, West 138Kv	362	0060	CAPACITOR BANK STATION	34,014.33	Yes
0101459	Mesquite, West 138Kv	362	0060	CAPACITOR BANK STATION	73,216.02	No
0101459	Mesquite, West 138Kv	362	106A	CAPACITOR UNIT 0-60KV	2,311.49	No

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**DISTRIBUTION CAPACITOR BANKS CLASSIFIED AS TCOS**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: W. A. LEDBETTER

Location	Location Name	FERC Account	Property Unit	Property Unit Description	Amount	Meets 3 Prong Test to be Classified as TCOS
0101463	Allen, North 138Kv	362	106A	CAPACITOR UNIT 0-60KV	20,233.56	No
0101463	Allen, North 138Kv	362	115C	RESISTOR 0-60 KV	1,566.15	No
0101465	Plano-Shiloh Rd 138Kv	362	106A	CAPACITOR UNIT 0-60KV	8,011.03	No
0101467	Plano-Parker Rd.138Kv	362	0060	CAPACITOR BANK STATION	130,085.40	Yes
0101467	Plano-Parker Rd.138Kv	362	106A	CAPACITOR UNIT 0-60KV	6,643.21	Yes
0101474	Carrollton-Upfield Dr.138Kv	362	0060	CAPACITOR BANK STATION	119,337.60	Yes
0101477	Ennis, 138Kv	362	0060	CAPACITOR BANK STATION	27,667.59	No
0101481	Plano-Custer Rd. 138Kv	362	0060	CAPACITOR BANK STATION	130,235.51	Yes
0101483	Duncanville, South 138Kv	362	0060	CAPACITOR BANK STATION	138,275.03	No
0101484	Waxahachie, North 138Kv	362	0060	CAPACITOR BANK STATION	61,765.26	Yes
0101488	Carrollton-Tarpley Rd	362	0060	CAPACITOR BANK STATION	101,366.66	Yes
0101488	Carrollton-Tarpley Rd	362	106A	CAPACITOR UNIT 0-60KV	11,728.55	Yes
0101513	Irving-Valley Ranch 345Kv	362	0060	CAPACITOR BANK STATION	47,979.96	Yes
0101602	Garland-Bobtown,138K	362	0060	CAPACITOR BANK STATION	25,070.66	No
0101602	Garland-Bobtown,138K	362	106A	CAPACITOR UNIT 0-60KV	2,115.87	No
0101608	Midlothian, South 138Kv	362	0060	CAPACITOR BANK STATION	58,860.98	No
0101608	Midlothian, South 138Kv	362	106A	CAPACITOR UNIT 0-60KV	11,007.57	No
0101625	Celina Southeast 138-25 KV	362	106A	CAPACITOR UNIT 0-60KV	3,365.89	No
0201305	Elkhart, 69Kv	362	0060	CAPACITOR BANK STATION	21,643.69	No
0201308	GrapeLand, 69Kv	362	0060	CAPACITOR BANK STATION	25,219.24	Yes
0201403	Tyler, East 138Kv	362	0060	CAPACITOR BANK STATION	35,715.59	Yes
0201414	Tyler, South 138Kv	362	0060	CAPACITOR BANK STATION	23,000.48	Yes
0201417	Tyler, GE Co. 138KV	362	0060	CAPACITOR BANK STATION	8,153.29	No
0201421	Huntington, 138Kv	362	0060	CAPACITOR BANK STATION	10,547.76	No
0201422	Centererville, 138Kv	362	0060	CAPACITOR BANK STATION	137,763.23	Yes
0201433	Lufkin, South 138Kv	362	106A	CAPACITOR UNIT 0-60KV	1,362.41	Yes
0201442	Nacogdoches, South 138KV	362	0060	CAPACITOR BANK STATION	24,777.40	Yes
0201446	Hudson 138Kv	362	0060	CAPACITOR BANK STATION	110,606.84	Yes
0201453	Lufkin, East 138Kv	362	0060	CAPACITOR BANK STATION	20,207.41	Yes
0201464	Nacogdoches, North 138Kv	362	0060	CAPACITOR BANK STATION	21,961.43	Yes
0201464	Nacogdoches, North 138Kv	362	106A	CAPACITOR UNIT 0-60KV	3,818.93	Yes
0301353	Wills Point, 69Kv	362	0060	CAPACITOR BANK STATION	36,002.39	No
0301422	Sherman-Line Material Co 1	362	0060	CAPACITOR BANK STATION	24,000.68	Yes
0301432	Allen 138Kv	362	106A	CAPACITOR UNIT 0-60KV	9,167.29	No
0301436	Gainesville, East 138Kv	362	106A	CAPACITOR UNIT 0-60KV	3,333.80	Yes
0301439	Mckinney, Southwest 138Kv	362	0060	CAPACITOR BANK STATION	93,503.14	Yes
0301439	Mckinney, Southwest 138Kv	362	106A	CAPACITOR UNIT 0-60KV	14,381.16	Yes
0301449	Sulphur Springs 138Kv	362	0060	CAPACITOR BANK STATION	29,328.18	Yes
0301449	Sulphur Springs 138Kv	362	106A	CAPACITOR UNIT 0-60KV	43,251.20	Yes
0301450	Bridgeport 138Kv	362	106A	CAPACITOR UNIT 0-60KV	10,979.19	Yes
0301450	Bridgeport 138Kv	362	106B	CAPACITOR RACK & COMPONENTS 0-60KV	14,956.87	Yes
0301459	Corinth 138Kv	362	0060	CAPACITOR BANK STATION	111,988.78	Yes
0301459	Corinth 138Kv	362	106A	CAPACITOR UNIT 0-60KV	5,133.34	Yes
0301464	Whitesboro S E. 138 Kv	362	0060	CAPACITOR BANK STATION	83,414.60	No
0401306	Cameron 69KV	362	0060	CAPACITOR BANK STATION	129,235.06	Yes
0401343	West 69KV	362	0060	CAPACITOR BANK STATION	342.61	No
0401407	Killeen-Ft Hood 138Kv	362	0060	CAPACITOR BANK STATION	171,734.76	No
0401414	Copperas Cove,138KV	362	0060	CAPACITOR BANK STATION	18,113.40	Yes
0401415	Harker Heights,138Kv	362	0060	CAPACITOR BANK STATION	1,448.86	Yes
0401448	Corsicana, West 138Kv	362	0060	CAPACITOR BANK STATION	41,986.53	Yes
0401458	Round Rock-Wx,138Kv	362	0060	CAPACITOR BANK STATION	36,361.13	No
0401462	Round Rock, South 138Kv	362	0060	CAPACITOR BANK STATION	127,142.46	No
0401462	Round Rock, South 138Kv	362	106A	CAPACITOR UNIT 0-60KV	26,511.21	No
0401468	Mabank, 138Kv	362	0060	CAPACITOR BANK STATION	91,396.90	Yes
0401472	Temple-Taylor'S Valley 13	362	0060	CAPACITOR BANK STATION	63,244.16	Yes
0401479	Ennis, Southeast 138KV	362	106A	CAPACITOR UNIT 0-60KV	62,462.73	No
0401928	Coolidge 69 KV	362	0060	CAPACITOR BANK STATION	71,285.09	Yes
0501321	Jacksboro, 69Kv	362	0060	CAPACITOR BANK STATION	15,514.25	Yes
0501321	Jacksboro, 69Kv	362	106A	CAPACITOR UNIT 0-60KV	14,394.57	Yes
0501321	Jacksboro, 69Kv	362	106B	CAPACITOR RACK & COMPONENTS 0-60KV	10,193.58	Yes
0501363	Lake Brownwood,69Kv	362	0060	CAPACITOR BANK STATION	21,986.11	No
0501413	Bedford 138Kv	362	106A	CAPACITOR UNIT 0-60KV	5,175.23	No
0501429	Comanche, 138Kv	362	0060	CAPACITOR BANK STATION	36,781.65	Yes
0501432	Brownwood, South 138Kv	362	0060	CAPACITOR BANK STATION	123,653.42	Yes
0501432	Brownwood, South 138Kv	362	106A	CAPACITOR UNIT 0-60KV	22,641.65	Yes
0501450	Grapevine-Ball St. 138Kv	362	106A	CAPACITOR UNIT 0-60KV	3,280.12	No
0501498	Bedford Woodson	362	0060	CAPACITOR BANK STATION	110,426.76	Yes
0501498	Bedford Woodson	362	106A	CAPACITOR UNIT 0-60KV	25,014.80	Yes
5171901	Sosf Mobile Capacitor Bank	362	0060	CAPACITOR BANK STATION	3,144.72	No

12,889,125.91

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
TCOS ALLOCATION OF FERC ACCOUNT 362 WITHOUT NTUSU  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit		(D + T) Investment to Allocate to TCOS or DIST	(E) TCOS % Based on Property Unit Only	(F) DIST % Based on Property Unit (T / (D + T))	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 362 (T + G)	Total DIST of 362 (D + H)
0000096	Witt Rd. 138 KV	233,737.37	3,432,272.30	540,512.85	4,206,522.52	3,972,785.15	0.1360539	0.8639461	31,800.88	201,936.49	572,313.73	3,634,208.79
0000435	MILLERS FERRY ROAD SUBSTATION	630,716.34	934,714.47	880,853.97	2,446,284.78	1,815,568.44	0.4851670	0.5148330	306,002.78	324,713.56	1,186,856.75	1,259,428.03
0000503	Alpha Rd S/Sta T&D	549,023.19	3,706,479.60	1,069,285.17	5,324,787.96	4,775,764.77	0.2238982	0.7761018	122,925.31	426,097.88	1,192,210.48	4,132,577.48
0000504	Welch Rd S/Sta T&D	343,441.80	1,100,977.94	727,805.31	2,172,225.05	1,828,783.25	0.3979724	0.6020276	136,680.37	206,761.43	864,485.68	1,307,739.37
0000505	Amelia S/Sta T&D	336,145.51	928,613.83	406,182.95	1,670,942.29	1,334,796.78	0.3043032	0.6956968	102,290.16	233,855.35	508,473.11	1,162,469.18
0000506	Belt Line S/Sta T&D	257,910.66	2,558,277.10	201,011.74	3,017,199.50	2,759,288.84	0.0728491	0.9271509	18,788.56	239,122.10	219,800.30	2,797,399.20
0000507	Blackwell St S/Sta T&D	148,345.09	2,025,715.05	307,193.53	2,481,253.67	2,332,908.58	0.1316783	0.8683217	19,533.84	128,811.25	326,727.37	2,154,526.30
0000508	Buntin Dr S/Sta T&D	47,999.48	589,553.09	27,932.54	665,485.11	617,485.63	0.0452359	0.9547641	2,171.30	45,828.18	30,103.84	635,381.27
0000509	Calumet S/Sta T&D	394,115.09	713,732.62	54,893.81	1,162,741.52	766,626.43	0.0714181	0.9285819	28,146.94	365,968.15	83,040.75	1,079,700.77
0000510	Camp Wisdom S/Sta T&D	808,494.29	4,020,104.84	1,645,394.13	6,473,993.26	5,665,498.97	0.2904235	0.7095765	234,805.75	573,688.54	1,880,199.88	4,593,793.38
0000511	Cedar Crest S/Sta T&D	196,467.57	3,997,256.69	1,491,305.26	5,685,029.52	5,488,561.95	0.2717115	0.7282885	53,382.49	143,085.08	1,544,687.75	4,140,341.77
0000512	Central Exp S/Sta T&D	544,260.56	1,492,257.46	608,028.86	2,644,546.88	2,100,286.32	0.2894981	0.7105019	157,562.39	386,698.17	765,591.25	1,878,955.63
0000513	Chancellor Row S/Sta T&D	151,340.80	778,332.73	334,187.94	1,263,861.47	1,112,520.67	0.3003881	0.6996119	45,460.97	105,879.83	379,648.91	884,212.56
0000514	Compton St S/Sta T&D	94,833.75	799,089.60	198,823.11	1,092,746.46	997,912.71	0.1923930	0.8007610	18,894.58	75,939.17	217,717.69	875,028.77
0000515	Dealy St S/Sta T&D	999,740.68	2,394,274.05	856,373.17	4,250,387.90	3,250,647.22	0.2634470	0.7365530	263,378.66	736,362.02	1,119,751.83	3,130,636.07
0000516	Denton Dr S/Sta T&D	1,183,841.12	4,390,259.09	2,608,427.66	8,182,527.87	6,998,668.75	0.3727024	0.6272976	441,220.48	742,620.64	3,049,648.14	5,132,879.73
0000517	Dragon St S/Sta T&D	205,806.48	1,241,270.30	355,425.83	1,802,502.61	1,596,696.13	0.2226008	0.7773992	45,812.69	159,993.79	401,238.52	1,401,264.09
0000519	East Network S/Station T&D	580,068.38	4,979,042.02	185,946.43	5,745,056.83	5,184,988.45	0.0360013	0.9639987	20,883.23	559,185.15	206,829.66	5,538,227.17
0000520	Davis St S/Sta T&D	177,063.20	819,844.62	251,546.00	1,248,453.82	1,071,390.62	0.2347846	0.7652154	41,571.71	135,491.49	293,117.71	955,336.11
0000521	East Zacha S/Station T&D	198,621.12	1,845,869.87	269,422.01	2,313,913.00	2,115,291.88	0.1273687	0.8726313	25,298.12	173,323.00	294,720.13	2,019,192.87
0000522	Fairmont S/Sta T&D	484,647.45	3,979,159.65	826,643.43	5,290,450.53	4,805,803.08	0.1720094	0.8279906	83,363.93	401,283.52	910,007.36	4,380,443.17
0000523	Garland Rd S/Station T&D	344,218.56	882,411.71	293,429.46	1,520,059.73	1,175,841.17	0.2495486	0.7504514	85,899.24	258,319.32	379,328.70	1,140,731.03
0000524	Greenville Ave S/Station T&D	690,653.10	3,148,764.91	613,853.36	4,453,271.37	3,762,618.27	0.1631453	0.8368547	112,676.78	577,976.32	726,530.14	3,726,741.23
0000525	Haskell Ave S/Station T&D	288,880.75	1,956,204.46	128,744.26	2,373,829.47	2,084,948.72	0.0617494	0.9382506	17,838.20	271,042.55	146,582.46	2,227,247.01
0000526	Thornton East S/Station T&D	212,997.02	2,447,101.97	435,335.49	3,095,434.48	2,882,437.46	0.1510303	0.8489697	32,169.01	180,828.01	467,504.50	2,627,929.98
0000527	Lake Highlands S/Station T&D	374,029.57	1,320,706.62	411,647.93	2,106,384.12	1,732,354.55	0.2376234	0.7623766	88,878.17	285,151.40	500,526.10	1,605,858.02
0000528	Lakemont S/Sta T&D	420,370.53	1,515,436.20	61,779.00	1,997,585.73	1,577,215.20	0.0391697	0.9608303	16,465.78	403,904.75	78,244.78	1,919,340.95
0000529	Lawther Dr S/Station T&D	351,027.00	3,927,496.44	677,561.24	4,956,084.68	4,605,057.68	0.1471341	0.8528659	51,648.06	299,378.94	729,209.30	4,226,875.38
0000530	Lomo Alto S/Sta T&D	602,068.53	5,809,486.47	1,309,247.90	7,720,802.90	7,118,734.37	0.1839158	0.8160842	110,729.93	491,338.60	1,419,977.83	6,300,825.07
0000531	Maple Ave S/Sta T&D	203,801.70	2,322,181.72	302,574.02	2,828,557.44	2,624,755.74	0.1152770	0.8847230	23,493.65	180,308.05	326,067.67	2,502,489.77
0000532	Marsh Ln S/Sta T&D	285,523.94	1,772,268.64	411,774.86	2,469,567.44	2,184,043.50	0.1885378	0.8114622	53,832.07	231,691.87	465,606.93	2,003,960.51
0000533	Morrison Ln S/Station T&D	233,193.64	1,306,499.76	161,788.46	1,701,481.86	1,468,288.22	0.1101885	0.8898115	25,695.25	207,498.39	187,483.71	1,513,998.15
0000534	Northhaven S/Sta T&D	(3,452.50)	0.00	0.00	(3,452.50)	0.00	0.2418612	0.7581388	(835.03)	(2,617.47)	(835.03)	(2,617.47)
0000536	Piano Rd S/Sta T&D	750,399.35	1,649,086.28	470,114.99	2,869,600.62	2,119,201.27	0.2218359	0.7781641	166,465.54	583,933.81	636,580.53	2,233,020.09
0000537	Pleasant Grove S/Station T&D	198,929.57	1,004,562.68	73,102.45	1,276,594.70	1,077,665.13	0.0678341	0.9321659	13,494.21	185,435.36	86,596.66	1,189,998.04
0000538	Polk St S/Sta T&D	161,676.19	780,239.10	296,030.32	1,237,945.61	1,076,269.42	0.2750522	0.7249478	44,469.40	117,206.79	340,499.72	897,445.89
0000539	Record Crossing S/Station T&D	154,157.58	840,663.13	957,214.57	1,952,035.28	1,797,877.70	0.5324136	0.4675864	82,075.59	72,081.99	1,039,290.16	912,745.12
0000540	St Augustine S/Station T&D	170,826.94	2,103,377.38	47,621.87	2,321,826.19	2,150,999.25	0.0221394	0.9778606	3,782.01	167,044.93	51,403.88	2,270,422.31
0000541	Scyene Rd S/Sta T&D	757,580.12	4,766,608.62	551,246.03	6,075,434.77	5,317,854.65	0.1036595	0.8963405	78,530.36	679,049.76	629,776.39	5,445,658.38
0000542	Elm Fork North Pump Sta-Dallas	30,978.85	761,576.37	15,724.71	808,279.93	777,301.08	0.0202299	0.9797701	626.70	30,352.15	16,351.41	791,928.52
0000543	South Oak Cliff S/Station T&D	284,453.27	1,745,085.19	71,344.05	2,100,882.51	1,816,429.24	0.0392771	0.9607229	11,172.50	273,280.77	82,516.55	2,018,365.96
0000544	Texas Instruments S/Sta T&D	158,845.93	255,869.41	3,178,125.29	3,592,840.63	3,433,994.70	0.9254893	0.0745107	147,010.21	11,835.72	3,325,135.50	267,705.13

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 362 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 362 (T + G)	Total DIST of 362 (D + H)
0000546	Wall St S/Sta T&D	1,427,496.85	6,005,857.64	913,399.42	8,346,753.91	6,919,257.06	0.1320083	0.8679917	188,441.44	1,239,055.41	1,101,840.86	7,244,913.05
0000547	West Dallas S/Station T&D	473,548.11	3,435,092.31	256,720.98	4,165,361.40	3,691,813.29	0.0695379	0.9304621	32,929.55	440,618.56	289,650.53	3,875,710.87
0000548	Westmoreland S/Station T&D	254,697.31	1,689,275.15	720,591.22	2,664,563.68	2,409,866.37	0.2990171	0.7009829	76,158.85	178,538.46	796,750.07	1,867,813.61
0000549	White Rock S/Station T&D	183,373.97	1,435,405.12	283,047.10	1,901,826.19	1,718,452.22	0.1647105	0.8352895	30,203.62	153,170.35	313,250.72	1,588,575.47
0000550	Matilda S/Sta T&D	180,516.93	1,504,048.54	88,624.24	1,773,189.71	1,592,672.78	0.0556450	0.9443550	10,044.86	170,472.07	98,669.10	1,674,520.61
0000551	Simpson Stuart S/Station T&D	146,147.39	3,594,824.92	137,039.19	3,878,011.50	3,731,864.11	0.0367214	0.9632786	5,366.73	140,780.66	142,405.92	3,735,605.58
0000552	Oakland Ave S/Sta T&D	157,400.10	1,076,608.23	221,368.40	1,455,376.73	1,297,976.63	0.1705488	0.8294512	26,844.40	130,555.70	248,212.80	1,207,163.93
0000553	Hampton Rd S/Station T&D	261,277.80	1,094,272.56	70,561.35	1,426,111.71	1,164,833.91	0.0605763	0.9394237	15,827.25	245,450.55	86,388.60	1,339,723.11
0000554	Prairie Creek S/Station T&D	206,580.86	914,218.44	109,956.89	2,123,756.19	1,024,175.33	0.1073614	0.8926386	22,178.81	184,402.05	132,135.70	1,098,620.49
0000555	So Hampton S/Station T&D	382,822.29	1,686,631.91	1,576,196.97	3,645,651.17	3,262,828.88	0.4830768	0.5169232	184,932.57	197,889.72	1,761,129.54	1,884,521.63
0000556	Meadowcreek S/Station T&D	385,758.45	1,750,797.62	256,969.42	2,393,525.49	2,007,767.04	0.1297877	0.8720123	49,372.32	336,386.13	306,341.74	2,087,183.75
0000557	Colville S/Sta T&D	175,308.85	4,130,297.79	90,158.76	4,395,765.40	4,220,456.55	0.0213623	0.9786377	3,745.00	171,563.85	93,903.76	4,301,861.64
0000558	Armstrong S/Sta T&D	321,694.52	1,861,557.79	755,484.43	2,938,736.74	2,617,042.22	0.2886787	0.7113213	92,866.37	228,828.15	848,350.80	2,090,385.94
0000559	West Network S/Station T&D	623,670.85	17,373,260.72	1,238,036.76	19,234,968.33	18,611,297.48	0.0665207	0.9334793	41,487.03	582,183.82	1,279,523.79	17,955,444.54
0000560	Cockrell Hill S/Sta T&D	183,381.32	1,338,603.01	379,486.57	1,901,470.90	1,718,089.58	0.2208771	0.7791229	40,504.73	142,876.59	419,991.30	1,481,479.60
0000561	Preston North S/Station T&D	385,247.35	1,461,763.76	288,262.75	2,135,273.86	1,750,026.51	0.1647191	0.8352809	63,457.59	321,789.76	351,720.34	1,783,553.52
0000562	Regal Row S/Sta T&D	270,776.00	1,037,961.25	235,842.10	1,544,579.35	1,273,803.5	0.1851480	0.8148520	50,133.63	220,642.37	285,975.73	1,258,603.62
0000563	Abrams Rd S/Sta T&D	357,564.59	1,793,389.41	663,616.69	2,820,570.69	2,463,006.10	0.2718897	0.7281303	97,210.97	260,353.62	766,827.66	2,053,743.03
0000565	Schroeder Rd S/Station T&D	491,891.59	1,916,142.44	350,094.18	2,758,128.21	2,266,236.62	0.1544826	0.8455174	75,988.70	415,902.89	426,082.88	2,332,045.33
0000566	Centerville Rd S/Sta T&D	73,019.56	1,039,760.39	428,421.50	1,541,201.45	1,468,181.89	0.2918041	0.7081959	21,307.41	51,712.15	449,728.91	1,091,472.54
0000567	Forestview S/Station T&D	127,729.96	883,073.94	161,938.34	1,172,742.24	1,045,012.28	0.1549631	0.8450369	19,793.43	107,936.53	181,731.77	991,010.47
0000568	Bandera S/Sta T&D	518,208.31	2,602,726.51	1,361,455.83	4,482,390.65	3,964,182.34	0.3434393	0.6565607	177,973.08	340,235.23	1,539,428.91	2,942,961.74
0000569	Bryan St S/Sta T&D	254,874.42	1,547,791.10	187,947.62	1,990,613.14	1,735,738.72	0.1082811	0.8917189	27,598.07	227,276.35	215,545.69	1,775,067.45
0000571	Crown Rd S/Sta T&D	228,837.41	1,047,529.43	574,005.03	1,850,371.87	1,621,534.46	0.3539888	0.6460112	81,005.88	147,831.53	655,010.91	1,195,360.96
0000572	Murdock Rd S/Station T&D	354,488.54	980,668.42	67,340.39	1,402,497.35	1,048,008.81	0.0642556	0.9357444	22,777.86	331,710.68	90,118.25	1,312,379.10
0000573	Southerland S/Station T&D	337,510.20	851,412.12	237,040.93	1,425,963.25	1,088,453.05	0.2177778	0.7822222	73,502.23	264,007.97	310,543.16	1,115,420.09
0000574	Fair Oaks S/Sta T&D	355,054.56	1,739,279.43	413,451.51	2,507,785.50	2,152,730.94	0.1920591	0.8079409	68,191.45	286,863.11	481,642.96	2,026,142.54
0000575	Coit Rd S/Sta T&D	305,780.97	2,101,429.64	833,127.57	2,340,338.18	2,934,557.21	0.2839023	0.7160977	86,811.92	218,969.05	919,939.49	2,320,398.69
0000577	Soxey Rd S/Sta T&D	255,755.01	1,127,998.20	1,340,638.14	2,724,391.35	2,468,636.34	0.5430683	0.4569317	138,892.44	116,862.57	1,479,530.58	1,244,860.77
0000579	North Parkway S/Station T&D	1,123,146.75	7,588,709.59	649,029.51	9,360,885.85	8,237,739.10	0.0787873	0.9212127	88,489.74	1,034,657.01	737,519.25	8,623,366.60
0000580	Jenkins S/Station T&D	562,008.73	4,320,262.08	450,724.18	5,332,994.99	4,770,986.26	0.0944719	0.9055281	53,094.04	508,914.69	503,818.22	4,829,176.77
0000581	Frankford Rd S/Station T&D	165,761.31	1,856,338.40	194,398.95	2,216,498.66	2,050,737.35	0.0947947	0.9052053	15,713.29	150,048.02	210,112.24	2,006,386.42
0000582	Judd Court Rd S/Station T&D	175,786.56	1,561,119.40	366,095.16	2,103,001.12	1,927,214.56	0.1899608	0.8100392	33,392.55	142,394.01	399,487.71	1,703,513.41
0000583	Kleburg S/Sta T&D	234,335.65	1,624,543.46	169,024.84	2,027,903.95	1,793,568.30	0.0942394	0.9057606	22,083.66	212,251.99	191,108.50	1,836,795.45
0000585	Knoll Trail S/Station T&D	443,285.83	4,781,295.16	923,598.18	6,148,179.17	5,704,893.34	0.1618858	0.8381042	71,766.11	371,519.72	995,364.29	5,152,814.88
0000586	North Network S/Station T&D	1,019,284.43	6,203,513.48	1,862,596.90	9,085,394.81	8,066,110.38	0.2309164	0.7690836	235,369.46	783,914.97	2,097,966.36	6,987,428.45
0000589	Reagan St S/Sta T&D	362,756.28	7,137,587.95	955,533.37	8,455,877.60	8,093,121.32	0.1180673	0.8819327	42,829.67	319,926.61	998,363.04	7,457,514.56
0000590	Lovebird S/Sta T&D	89,952.48	1,808,809.03	160,851.75	2,059,613.26	1,969,660.78	0.0816647	0.9183353	7,345.94	82,606.54	168,197.69	1,891,415.57
0000594	Lemmon Ave. 138-12.5KV Sub.	133,447.34	3,830,219.27	561,535.20	4,525,201.81	4,391,754.47	0.1278612	0.8721388	17,062.74	116,384.60	578,597.94	3,946,603.87
0000595	Empire Central S/Station T&D	158,827.72	2,060,333.07	274,723.17	2,493,893.96	2,335,056.24	0.1176516	0.8823484	18,687.52	140,150.20	293,410.69	2,200,483.27
0000601	UTSWMC,138-13.2KV	468.04	45,869.66	0.00	46,337.70	45,869.66	0.0000000	1.0000000	0.00	468.04	0.00	46,337.70
0000602	WESTMORELAND, NORTH SUBSTATION	194,203.08	2,505,901.00	178,752.67	2,878,856.75	2,684,653.67	0.0665831	0.9334169	12,930.65	181,272.43	191,683.32	2,687,173.43

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 362 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: W. A. LEDBETTER

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit	(F) DIST % Based on Property Unit	(G) TCOS % of Common Investment	(H) DIST % of Common Investment	Total TCOS of 362 (T + G)	Total DIST of 362 (D + H)
0000610	Inwood Road	173,763.06	4,013,752.37	858,630.72	5,046,146.15	4,872,383.09	0.1762240	0.8237760	30,621.22	143,141.84	889,251.94	4,156,894.21
0000614	E Side Filtration Plant-Da	55,448.63	666,382.22	9,997.28	731,828.13	676,379.50	0.0147806	0.9852194	819.56	54,629.07	10,816.84	721,011.29
0000615	Elm Fork Filtration Plant-Da	179,421.90	1,986,530.63	367,997.44	2,533,949.97	2,354,528.07	0.1562935	0.8437065	28,042.48	151,379.42	396,039.92	2,137,910.05
0000616	Riverfront Substation	180,775.03	4,004,004.97	755,989.46	4,940,769.46	4,759,994.43	0.1588215	0.8411785	28,710.96	152,064.07	784,700.42	4,156,069.04
0000631	Lake June Pump Station-Dallas	34,458.30	502,443.26	10,755.49	547,657.05	513,198.75	0.0209577	0.9790423	722.17	33,736.13	11,477.66	536,179.39
0000634	Duck Creek Waste Water-Gar	6,707.12	365,444.71	150,606.03	522,757.86	516,050.74	0.2918435	0.7081565	1,957.43	4,749.69	152,563.46	370,194.40
0000657	S Oak Cliff Pump Sta.Dallas	21,025.62	157,059.44	64,250.93	242,335.99	221,310.37	0.2903205	0.7096795	6,104.17	14,921.45	70,355.10	171,980.89
0000664	Southside Waste Water Trtment	117,635.37	881,267.89	71,267.44	1,070,170.70	952,535.33	0.0748187	0.9251813	8,801.32	108,834.05	80,068.76	990,101.94
0000671	Trinity Portland Cement T&D	1,628.94	3,060.97	0.00	4,689.91	3,060.97	0.0000000	1.0000000	0.00	1,628.94	0.00	4,689.91
0000672	Air Liquide - Dallas 138Kv	0.00	4,412.91	3,236.03	7,648.94	7,648.94	0.4230691	0.5769309	0.00	0.00	3,236.03	4,412.91
0000682	Hensley Industries T&D	18,825.31	158,517.53	1,289.53	178,632.37	159,807.06	0.0080693	0.9919307	151.91	18,673.40	1,441.44	177,190.93
0000690	Lake Hubbard Raw Water Pump	82,862.13	269,536.61	20,482.28	372,881.02	290,018.89	0.0706240	0.9293760	5,852.05	77,010.08	26,334.33	346,546.69
0000691	Jim Miller Pump Station-Dallas	90,471.44	1,050,697.52	48,210.40	1,189,379.36	1,098,907.92	0.0438712	0.9561288	3,969.09	86,502.35	52,179.49	1,137,199.87
0000699	Temp Distribution S/Station Co	21,250.41	2,874,805.99	0.00	2,896,056.40	2,874,805.99	0.0000000	1.0000000	0.00	21,250.41	0.00	2,896,056.40
0000705	Lombardy S/Sta T&D	155,067.36	2,463,839.57	1,056,990.40	3,675,897.33	3,520,829.97	0.3002106	0.6997894	46,552.86	108,514.50	1,103,543.26	2,572,354.07
0000708	Walnut Street	118,067.44	1,728,798.60	199,979.85	2,046,845.89	1,928,778.45	0.1036821	0.8963179	12,241.48	105,825.96	212,221.33	1,834,624.56
0000710	Eagle Ford Substation T&D	193,621.40	3,120,487.34	791,639.60	4,105,748.34	3,912,126.94	0.2023553	0.7976447	39,180.32	154,441.08	830,819.92	3,274,928.42
0000852	Mobile S/Sta-Sw Service Center	0.00	252,662.19	0.00	252,662.19	252,662.19	0.0000000	1.0000000	0.00	0.00	0.00	252,662.19
0002037	FW-North North Service Center	0.00	23,818.24	0.00	23,818.24	23,818.24	0.0000000	1.0000000	0.00	0.00	0.00	23,818.24
0002090	Fort Worth Trans Div.Hdgtr.	87,226.10	268,003.28	61,698.93	416,928.31	329,702.21	0.1871353	0.8128647	16,323.08	70,903.02	78,022.01	338,906.30
0003103	Wichita Falls Dist. Hdqtr.	0.00	53,796.74	0.00	53,796.74	53,796.74	0.0000000	1.0000000	0.00	0.00	0.00	53,796.74
0003883	System Operating Serv Facility	20,357.90	32,514,189.04	2,112,941.61	34,647,488.55	34,627,130.65	0.0610198	0.9389802	1,242.24	19,115.66	2,114,183.85	32,533,304.70
0004090	Odessa Transmission Hdqtr.	35,875.43	6,653,989.04	0.00	6,689,864.47	6,653,989.04	0.0000000	1.0000000	0.00	35,875.43	0.00	6,689,864.47
0004103	Midland Service Center	0.00	28,554.57	0.00	28,554.57	28,554.57	0.0000000	1.0000000	0.00	0.00	0.00	28,554.57
0004153	Andrews Distribution Office	0.00	15,439.68	0.00	15,439.68	15,439.68	0.0000000	1.0000000	0.00	0.00	0.00	15,439.68
0004203	Big Spring Office Center	26,558.79	1,420,205.77	0.00	1,446,764.56	1,420,205.77	0.0000000	1.0000000	0.00	26,558.79	0.00	1,446,764.56
0005000	Bryan Tower Office Building	111,110.36	0.00	62,421.49	173,531.85	62,421.49	1.0000000	0.0000000	111,110.36	0.00	173,531.85	0.00
0005007	Big Spring Crmwd 69-2.4Kv	635.82	52,765.86	4,066.93	57,468.61	56,832.79	0.0715596	0.9284404	45.50	590.32	4,112.43	53,356.18
0005041	Forsan 138-12.5Kv	502,727.45	1,707,409.67	516,910.51	2,727,047.63	2,224,320.18	0.2323903	0.7676097	116,829.00	385,898.45	633,739.51	2,093,308.12
0005043	Getty Vealmoor 138-21.6Kv	131,183.75	1,564,183.85	75,712.40	1,771,080.00	1,639,896.25	0.0461690	0.9538310	6,056.62	125,127.13	81,769.02	1,689,310.98
0005044	Glasscock 69-22Kv	583,417.13	1,334,979.53	802,254.61	2,720,669.27	2,137,252.14	0.3753673	0.6246327	218,995.73	364,421.40	1,021,250.34	1,699,418.93
0005045	Howard 69-12.5Kv	113,519.86	84,290.38	31,017.03	228,827.27	115,307.41	0.2689942	0.7310058	30,536.19	82,983.67	61,553.22	167,274.05
0005054	Key 138-12.5Kv	35,805.64	215,901.92	24,511.97	276,219.53	240,413.89	0.1019574	0.8980426	3,650.65	32,154.99	28,162.62	248,056.91
0005055	Knott 69-12.5Kv	581,909.63	2,150,998.45	450,680.87	3,183,588.95	2,601,679.32	0.1732269	0.8267731	100,802.41	481,107.22	551,483.28	2,632,105.67
0005070	Welch 69-12.5Kv	98,977.42	160,072.08	104,272.82	363,322.32	264,344.90	0.3944575	0.6055425	39,042.38	59,935.04	143,315.20	220,007.12
0005083	Big Spring Airpark Substation	267,980.55	1,915,077.24	480,106.69	2,663,164.48	2,395,183.93	0.2004467	0.7995533	53,715.81	214,264.74	533,822.50	2,129,341.98
0005095	Garden City East Sub	316,926.72	1,903,674.15	680,226.09	2,900,826.96	2,583,900.24	0.2632556	0.7367444	83,432.72	233,494.00	763,658.81	2,137,168.15
0005101	Caddo 138-12.5Kv	150,891.14	214,904.81	48,476.10	414,272.05	263,380.91	0.1840532	0.8159468	27,772.00	123,119.14	76,248.10	338,023.95
0005103	Comyn-Humble 69-12.5Kv	12,582.62	70,509.71	16,468.73	99,561.06	86,978.44	0.1893427	0.8106573	2,382.43	10,200.19	18,851.16	80,709.90
0005104	Colony Creek 138-12.5Kv	93,114.76	327,259.94	32,937.04	453,311.74	360,196.98	0.0914417	0.9085583	8,514.58	84,600.16	41,451.62	411,860.12
0005106	Deleon 69-12.54Kv	442,969.06	1,449,107.90	591,533.21	2,483,610.17	2,040,641.11	0.2898762	0.7101238	128,406.17	314,562.89	719,939.38	1,763,670.79
0005109	Deleon-Magnolia 69-2.4Kv	0.00	1,521.82	0.00	1,521.82	1,521.82	0.0000000	1.0000000	0.00	0.00	0.00	1,521.82

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 362 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit	(F) DIST % Based on Property Unit	(G) TCOS % of Common Investment	(H) DIST % of Common Investment	Total TCOS of 362 (T + G)	Total DIST of 362 (D + H)
0005110	Eastland 69-12.5Kv	310,843.20	1,120,571.35	1,532,023.52	2,963,438.07	2,652,594.87	0.5775565	0.4224435	179,529.52	131,313.68	1,711,553.04	1,251,885.03
0005111	Mountain Branch Sub	241,640.13	718,124.77	183,136.48	1,142,901.38	901,261.25	0.2032002	0.7967998	49,101.33	192,538.80	232,237.81	910,663.57
0005112	Gorman 69-12.5Kv	189,404.04	350,811.09	333,302.16	873,517.29	684,113.25	0.4872032	0.5127968	92,278.25	97,125.79	425,580.41	447,936.88
0005113	Graham East 138-12.5Kv	87,313.68	1,406,465.61	203,185.74	1,696,965.03	1,609,651.35	0.1262297	0.8737703	11,021.58	76,292.10	214,207.32	1,482,757.71
0005115	Ivan 69-22Kv	215,479.83	500,373.49	37,512.96	753,366.28	537,886.45	0.0697414	0.9302586	15,027.87	200,451.96	52,540.83	700,825.45
0005118	Morton Valley 69-12.5Kv	139,496.14	483,601.40	167,888.29	790,985.83	651,489.69	0.2576991	0.7423009	35,948.03	103,548.11	203,836.32	587,149.51
0005120	Markley 138-12.5Kv	136,978.51	267,218.32	61,625.50	465,822.33	328,843.82	0.1874005	0.8125959	25,669.84	111,308.67	87,295.34	378,526.99
0005125	N. Breckenridge 138-12.5Kv	139,507.84	808,664.46	412,248.15	1,360,420.45	1,220,912.61	0.3376557	0.6623443	47,105.62	92,402.22	459,353.77	901,066.68
0005127	Ranger 69-12.5Kv	493,237.46	353,595.68	1,740,790.05	2,587,623.19	2,094,385.73	0.8311697	0.1688303	409,964.05	83,273.41	2,150,754.10	436,869.09
0005130	Ranger-Gulf 69-4.1Kv	165,486.24	165,634.32	302,248.77	633,369.33	467,883.09	0.6459921	0.3540079	106,902.80	58,583.44	409,151.57	224,217.76
0005133	South Bend 69-12.5Kv	76,967.40	292,008.87	30,430.56	399,406.83	322,439.43	0.0943761	0.9056239	7,263.88	69,703.52	37,694.44	361,712.39
0005150	Alliance 345-25Kv	325,141.96	6,770,887.89	1,795,576.76	8,891,606.61	8,566,464.65	0.2096053	0.7903947	68,151.49	256,990.47	1,863,728.25	7,027,878.36
0005151	American Mfg Co 138-12.5Kv	106,184.58	996,405.75	328,302.73	1,430,893.06	1,324,708.48	0.2478302	0.7521698	26,315.74	79,868.84	354,618.47	1,076,274.59
0005154	Arlington 138-12.5Kv	206,925.27	1,293,757.09	281,644.10	1,782,326.46	1,575,401.19	0.1787761	0.8212239	36,993.30	169,931.97	318,637.40	1,463,689.06
0005164	Ayers 138-12.5Kv	90,825.85	630,387.40	517,254.79	1,238,468.04	1,147,642.19	0.4507109	0.5492891	40,936.20	49,889.65	558,190.99	680,277.05
0005166	Azle 138-25Kv	818,830.90	4,584,907.44	1,341,916.11	6,745,654.45	5,926,823.55	0.2264140	0.7735860	185,394.82	633,436.08	1,527,310.93	5,218,343.52
0005170	Bear Creek 138-12.5Kv	282,414.32	4,397,073.22	515,034.69	5,194,522.23	4,912,107.91	0.1048500	0.8951500	29,611.15	252,803.17	544,645.84	4,649,876.39
0005172	Bell Helicopter-Hurst 138Kv	735.68	4,487.31	0.00	5,222.99	4,487.31	0.0000000	1.0000000	0.00	735.68	0.00	5,222.99
0005173	Mansfield Britton Road Sub	1,038,605.16	11,061,810.96	3,483,798.36	15,584,214.48	14,545,609.32	0.2395086	0.7604914	248,754.86	789,850.30	3,732,553.22	11,851,661.26
0005178	Blackstone 138-12.5Kv	295,987.94	1,700,192.36	151,312.41	2,147,492.71	1,851,504.77	0.0817240	0.9182760	24,189.32	271,798.62	175,501.73	1,971,990.98
0005179	Blue Mound 138-12.5Kv	681,377.78	3,192,945.31	892,105.74	4,766,428.83	4,085,051.05	0.2183830	0.7816170	148,801.33	532,576.45	1,040,907.07	3,725,521.76
0005181	Bowen 138 -12.5Kv	590,765.13	1,475,473.30	555,142.26	2,621,380.69	2,030,615.56	0.2733862	0.7266138	161,507.03	429,258.10	716,649.29	1,904,731.40
0005183	Brook Hollow 138-12.5Kv	830,252.01	4,219,423.28	466,810.77	5,516,486.06	4,686,234.05	0.0969132	0.9003868	82,704.06	747,547.95	549,514.83	4,966,971.23
0005190	Currie 138-12.5Kv	175,439.12	2,252,198.43	394,427.83	2,822,065.38	2,646,626.26	0.1490304	0.8509696	26,145.77	149,293.35	420,573.60	2,401,491.78
0005192	Carswell Air Force Base 13	39,304.76	422,975.18	80,647.12	542,927.06	503,622.30	0.1601341	0.8398659	6,294.03	33,010.73	86,941.15	455,985.91
0005193	Century 345-25Kv	662,049.59	8,319,024.27	1,772,901.86	10,753,975.72	10,091,926.13	0.1756753	0.8242347	116,305.74	545,743.85	1,889,207.60	8,864,768.12
0005194	Executive Parkway Substation	485,684.36	4,622,409.83	1,604,872.32	6,712,966.51	6,227,282.15	0.2577163	0.7422837	125,168.79	360,515.57	1,730,041.11	4,982,925.40
0005195	McDonough 69-2.4Kv	411.91	67,817.62	41,077.74	109,307.27	108,895.36	0.3772221	0.6227779	155.38	256.53	41,233.12	68,074.15
0005197	Courtfair 345-25Kv	984,702.19	9,419,026.36	3,048,814.49	13,452,543.04	12,467,840.85	0.2454534	0.7554657	240,793.44	743,908.75	3,289,607.93	10,162,935.11
0005216	Crowley 69-12.5Kv	559,822.84	3,835,195.79	893,834.15	5,288,852.78	4,729,029.94	0.1890100	0.8109000	105,812.14	454,010.70	999,646.29	4,289,206.49
0005217	Dalworth 138-12.5Kv	217,655.30	1,732,330.24	1,669,513.26	3,619,498.80	3,401,843.50	0.4907672	0.5092328	106,818.09	110,837.21	1,776,331.35	1,843,167.45
0005219	Davis 138-12.5Kv	261,108.80	1,954,722.46	1,139,220.07	3,355,051.33	3,093,942.53	0.3682098	0.6317902	96,142.83	164,965.97	1,235,362.90	2,119,688.43
0005220	Eagle Mtn Comp Station 138Kv	6,189.86	0.00	62,066.70	68,256.56	62,066.70	1.0000000	0.0000000	6,189.86	0.00	68,256.56	0.00
0005221	Morris Dido Substation	261,618.97	3,574,265.67	986,530.39	4,822,415.03	4,560,796.06	0.2163066	0.7836934	56,589.92	205,029.05	1,043,120.31	3,779,294.72
0005222	Edgecliff 138-12.5Kv	993,517.45	3,001,406.31	1,625,767.35	5,620,691.11	4,627,173.66	0.3513521	0.6486479	349,074.48	644,442.97	1,974,841.83	3,645,849.28
0005224	Bourland Sub	699,856.50	1,103,184.83	1,153,057.56	2,956,098.89	2,256,242.39	0.5110522	0.4889478	357,663.18	342,193.32	1,510,720.74	1,445,378.15
0005225	Electric Power Dist 138Kv	518,838.68	1,544,400.40	1,048,363.15	3,111,602.23	2,592,763.55	0.4043420	0.5956580	209,788.26	309,050.42	1,258,151.41	1,853,450.82
0005227	Faron St 138-12.5Kv	189,338.26	870,616.20	227,785.40	1,287,739.86	1,098,401.60	0.2073790	0.7926210	39,264.77	150,073.49	267,050.17	1,020,689.69
0005237	Fossil Creek 138-2.5Kv	480,334.00	4,275,697.89	1,519,967.91	6,275,999.80	5,795,665.80	0.2622594	0.7377406	125,972.11	354,361.89	1,645,940.02	4,630,059.78
0005240	Gemini Substation 138-25Kv	240,821.76	2,335,904.68	2,523,923.19	2,830,649.63	2,589,827.87	0.0980464	0.9019536	23,611.70	217,210.06	277,534.89	2,553,114.74
0005254	Grand Prairie 138-12.5Kv	428,254.65	1,147,623.17	474,108.77	2,049,986.59	1,621,731.94	0.2923472	0.7076528	125,199.04	303,055.61	599,307.81	1,450,678.78
0005255	Grand Prairie, West 138 KV	293,462.81	522,317.63	162,897.15	978,677.59	685,214.78	0.2377315	0.7622685	69,765.36	223,697.45	232,662.51	746,015.08

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 362 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (T / (D + T))	(F) DIST % Based on Property Unit (1 - E)	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 362 (T + G)	Total DIST of 362 (D + H)
0005262	Great Southwest 138-12.5Kv	1,712,773.55	10,261,105.77	1,452,529.92	13,426,409.24	11,713,635.69	0.1240033	0.8759967	212,389.64	1,500,383.91	1,664,919.56	11,761,489.68
0005266	Haltom 138-12.5Kv	151,502.53	884,580.00	528,617.81	1,564,700.34	1,413,197.81	0.3740579	0.6259421	56,670.72	94,831.81	585,288.53	979,411.81
0005268	Heritage 138-13.2Kv	335,805.04	5,404,121.21	900,826.41	6,640,752.66	6,304,947.62	0.1428761	0.8571239	47,978.52	287,826.52	948,804.93	5,691,947.73
0005270	Horne St 138-12.5Kv	1,102,935.71	6,146,247.33	2,013,158.31	9,262,341.35	8,169,405.64	0.2467285	0.7532715	272,125.73	830,809.98	2,285,284.04	6,977,057.31
0005272	Bryant Irvin 138-12.5Kv	158,014.07	1,815,999.07	281,695.39	2,255,708.53	2,097,694.46	0.1342881	0.8657119	21,219.41	136,794.66	302,914.80	1,952,793.73
0005274	Hurst 138-12.5Kv	1,025,726.97	1,952,932.54	956,714.42	3,935,373.93	2,909,646.96	0.3288077	0.6711923	337,266.96	688,460.01	1,293,981.38	2,641,392.55
0005277	Kennedale 345-25KV	938,570.22	9,148,686.62	3,154,581.29	13,242,020.13	12,303,449.91	0.2563981	0.7436019	240,647.63	697,922.59	3,395,228.92	9,846,791.21
0005282	Laguna Vista 69-25Kv	398,031.25	1,864,750.25	568,138.30	2,830,919.80	2,432,888.55	0.2335242	0.7664758	92,949.92	305,081.33	661,088.22	2,169,831.58
0005283	Lakewood 138-12.5Kv	153,660.89	3,108,916.82	1,572,413.05	4,834,990.76	4,681,329.87	0.3358902	0.6641098	51,613.19	102,047.70	1,624,026.24	3,210,964.52
0005285	Ltv 138-12.5Kv	887,097.20	2,113,038.51	418,024.43	3,418,160.14	2,531,062.94	0.1651577	0.8348423	146,510.90	740,586.30	564,535.33	2,853,624.81
0005287	Mansfield 138-25Kv	1,078,326.29	4,609,954.86	1,840,544.15	7,528,825.30	6,450,499.01	0.2853336	0.7146664	307,682.73	770,643.56	2,148,226.88	5,380,598.42
0005288	Meadow Park Sub 138 Kv	186,353.05	1,663,675.43	476,768.03	2,326,796.51	2,140,443.46	0.2227426	0.7772574	41,508.77	144,844.28	518,276.80	1,808,519.71
0005298	Mistletoe Heights 138-12.5Kv	256,835.27	2,972,603.45	402,089.24	3,631,527.96	3,374,692.69	0.1191484	0.8808516	30,601.51	226,233.76	432,690.75	3,198,837.21
0005303	Oak Hill 138-12.5Kv	200,625.55	597,085.16	806,113.47	1,603,824.18	1,403,198.63	0.5744828	0.4255172	115,255.93	85,369.62	921,369.40	682,454.78
0005307	Pafford St 138-12.5Kv	244,099.53	1,135,357.98	598,169.24	1,977,626.75	1,733,527.22	0.3450590	0.6549410	84,228.75	159,870.78	682,397.99	1,295,228.76
0005308	Park Row 138-12.5Kv	90,008.81	1,148,545.37	434,309.11	1,672,863.29	1,582,854.46	0.2743835	0.7256165	24,696.93	65,311.88	459,006.04	1,213,857.25
0005311	Primrose 138-25Kv	251,071.43	1,623,837.87	743,935.26	2,618,844.56	2,367,773.13	0.3141920	0.6858080	78,884.62	172,186.81	822,819.88	1,796,024.68
0005315	Pantego 138-12Kv	149,514.09	805,314.11	1,571,391.30	2,526,219.50	2,376,705.41	0.6611637	0.3388363	98,853.29	50,660.80	1,670,244.59	855,974.91
0005318	Randal Mill 138-12.5Kv	1,076,327.71	1,737,137.45	867,641.80	3,681,106.96	2,604,779.25	0.3330961	0.6669039	358,520.56	717,807.16	1,226,162.36	2,454,944.60
0005322	Richland Hills 138-12.5Kv	581,271.27	2,380,154.12	649,965.33	3,611,390.72	3,030,119.45	0.2145016	0.7854984	124,683.59	456,587.68	774,648.92	2,836,741.80
0005324	Rogers FW 138-12.5Kv	234,735.28	1,764,579.06	408,838.04	2,408,152.38	2,173,417.10	0.1881084	0.8118916	44,155.68	190,579.60	452,993.72	1,955,158.66
0005330	Rosen Heights 138-12.5Kv	136,268.83	1,105,500.79	240,357.67	1,482,127.29	1,345,856.46	0.1785906	0.8214094	24,336.33	111,932.50	264,694.00	1,217,433.29
0005331	Rolling Hills 138-4.1Kv	222,588.98	1,082,498.07	270,956.37	1,576,043.42	1,353,454.44	0.2001962	0.7998038	44,561.46	178,027.52	315,517.83	1,260,525.59
0005333	Samson 138-25Kv	389,232.46	2,486,379.92	484,555.36	3,360,167.74	2,970,935.28	0.1630986	0.8369014	63,483.27	325,749.19	548,038.63	2,812,129.11
0005334	Smithfield 138-12.5Kv	328,856.33	1,571,811.19	1,523,318.69	3,423,986.21	3,095,129.88	0.4921663	0.5078337	161,852.01	167,004.32	1,685,170.70	1,738,815.51
0005335	Shady Grove 138-12.5Kv	259,597.94	2,076,797.51	846,029.97	3,182,425.42	2,922,827.48	0.2894560	0.7105440	75,142.18	184,455.76	921,172.15	2,261,253.27
0005336	Springdale 138-12.5Kv	82,320.30	1,774,799.16	691,155.54	2,548,275.00	2,465,954.70	0.2802791	0.7197209	23,072.66	59,247.64	714,228.20	1,834,046.80
0005349	Sycamore Creek 345-25Kv	222,608.52	5,959,424.66	2,259,022.94	8,441,056.12	8,218,447.60	0.2748722	0.7251278	61,188.90	161,419.62	2,320,211.84	6,120,844.28
0005355	Tate Springs 138-12.5Kv	243,340.18	2,015,967.47	167,288.43	2,426,598.08	2,183,255.90	0.0766234	0.9237366	18,645.55	224,694.63	185,933.98	2,240,662.10
0005368	Texas Steel 138-12.5Kv	13,185.82	254,190.86	49,523.39	316,900.07	303,714.25	0.1630592	0.8369408	2,150.07	11,035.75	51,673.46	265,226.61
0005370	Trailwood 138-25Kv	252,116.89	1,652,559.05	197,154.00	2,101,829.94	1,849,713.05	0.1065863	0.8934137	26,872.20	225,244.69	224,026.20	1,877,803.74
0005375	Trinity 345/138-12.5Kv	259,021.73	955,378.50	339,480.69	1,553,880.92	1,294,859.19	0.2621758	0.7378242	67,909.22	191,112.51	407,389.91	1,146,491.01
0005377	Trinity River Auth(Tra)138	95,380.15	541,290.08	12,967.27	649,637.50	554,257.35	0.0233958	0.9766042	2,231.49	93,148.66	15,198.76	634,438.74
0005381	Village Creek 138-12.5Kv	64,549.21	1,833,107.05	194,949.90	2,092,606.16	2,028,056.95	0.0961264	0.9038736	6,204.89	58,344.32	201,154.79	1,891,451.37
0005383	Watauga 138-12.5Kv	170,933.47	2,016,196.87	473,148.59	2,660,278.93	2,489,345.46	0.1900695	0.8099305	32,489.24	138,444.23	505,637.83	2,154,641.10
0005384	Watson 138-12.5Kv	209,718.76	2,130,922.15	1,254,719.28	3,595,360.19	3,385,641.43	0.3706002	0.6293998	77,721.81	131,996.95	1,332,441.09	2,262,919.10
0005386	Webb 345-25Kv	889,659.68	11,351,520.27	2,433,121.30	14,674,301.25	13,784,641.57	0.1765096	0.8234904	157,033.46	732,626.22	2,590,154.76	12,084,146.49
0005388	Wedgewood 138-12.5Kv	246,282.15	1,455,108.73	958,447.55	2,659,838.43	2,413,556.28	0.3971101	0.6028899	97,801.13	148,481.02	1,056,248.68	1,603,589.75
0005390	Western Hills 138-25Kv	256,379.21	2,798,068.05	239,515.63	3,293,962.89	3,037,583.68	0.0788507	0.9211493	20,215.68	236,163.53	259,731.31	3,034,231.58
0005393	White 138-12.5Kv	170,751.50	1,273,608.64	118,776.90	1,563,137.04	1,392,385.54	0.0853046	0.9146954	14,565.89	156,185.61	133,342.79	1,429,744.25
0005394	Wind Creek Substation	714,670.18	1,519,882.06	893,640.18	3,128,192.42	2,413,522.24	0.3702639	0.6297361	264,616.57	450,053.61	1,158,256.75	1,969,935.67
0005402	Eagle Mountain Lake POI	15,413.06	10,680.07	51,749.02	77,842.15	62,429.09	0.8289248	0.1710752	12,776.27	2,636.79	64,525.29	13,316.86

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 362 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit	(F) DIST % Based on Property Unit	(G) TCOS % of Common Investment	(H) DIST % of Common Investment	Total TCOS of 362 (T+G)	Total DIST of 362 (D+H)
0005421	Bryan Ave 69-12.5Kv	336,084.17	3,040,162.91	822,182.80	4,198,429.88	3,862,345.71	0.2128714	0.7871286	71,542.70	264,541.47	893,725.50	3,304,704.38
0005440	Int Airport 138-12.5Kv	984,103.09	7,339,195.96	1,118,697.65	9,441,996.70	8,457,893.61	0.1322667	0.8677333	130,164.07	853,939.02	1,248,861.72	8,193,134.98
0005449	Property Conversion	315,464.43	0.00	0.00	315,464.43	0.00	0.2418612	0.7581388	76,298.61	239,165.82	76,298.61	239,165.82
0005451	AM MAGNESIUM 138 - 12.5KV	0.00	25,234.95	9,004.08	34,239.03	34,239.03	0.2629771	0.7370229	0.00	0.00	9,004.08	25,234.95
0005453	Cogdell 69-12.5Kv	0.00	16,606.19	11,044.23	27,650.42	27,650.42	0.3994236	0.6005764	0.00	0.00	11,044.23	16,606.19
0005454	Colorado Basin 69-4.1Kv	16,337.00	175,193.75	16,244.57	207,775.32	191,438.32	0.0848554	0.9151446	1,386.28	14,950.72	17,630.85	190,144.47
0005455	Amoco 69-2.4Kv	1,179.33	118,985.42	8,833.75	128,998.50	127,819.17	0.0691113	0.9308887	81.51	1,097.82	8,915.26	120,083.24
0005456	Brand 138-12.5Kv	3,475.17	307,239.98	66,090.49	376,805.64	373,330.47	0.1770295	0.8229705	615.21	2,859.96	66,705.70	310,099.94
0005457	Bullseye 138-12KV	0.00	9,730.95	0.00	9,730.95	9,730.95	0.0000000	1.0000000	0.00	0.00	0.00	9,730.95
0005460	Ennis Creek	(347.10)	87,520.25	11,030.57	98,203.72	98,550.82	0.119277	0.8880723	(38.85)	(308.25)	10,991.72	87,212.00
0005462	Flintkote 69Kv 480V	0.00	60,860.77	9,237.61	70,098.38	70,098.38	0.1317806	0.8682194	0.00	0.00	9,237.61	60,860.77
0005465	Irl 69-12.5Kv	96,398.66	210,517.69	52,574.23	359,490.58	263,091.92	0.1998322	0.8001678	19,263.55	77,135.11	71,837.78	287,652.80
0005466	Lake J.B. Thomas 69-12.5Kv	125,241.29	734,198.46	52,347.10	911,786.85	786,545.56	0.0665532	0.9334468	8,335.20	116,906.09	60,682.30	851,104.55
0005467	Knapp 138-12.5Kv	416,265.07	2,586,916.70	909,722.65	3,912,904.42	3,496,639.35	0.2601706	0.7398294	108,299.92	307,965.15	1,018,022.57	2,894,881.85
0005474	Lorraine 69-4.1Kv	0.00	3,821.67	0.00	3,821.67	3,821.67	0.0000000	1.0000000	0.00	0.00	0.00	3,821.67
0005486	Oak Creek 69-12.5Kv	263,126.95	195,484.31	329,058.50	787,669.76	524,542.81	0.6273244	0.3726756	165,065.95	98,061.00	494,124.45	293,545.31
0005490	Roscoe 69-12.5Kv	419.75	0.00	0.00	419.75	0.00	0.2418612	0.7581388	101.52	318.23	101.52	318.23
0005491	Sacroc 138-12.5Kv	162,236.22	1,536,523.63	36,952.23	1,735,712.08	1,573,476.86	0.0234845	0.9765155	3,810.03	158,426.19	40,762.26	1,694,949.82
0005493	Plowboy Substation	719,049.43	2,381,713.39	1,186,365.38	4,287,138.20	3,568,088.77	0.3324932	0.6675068	239,079.07	479,970.36	1,425,444.45	2,861,693.75
0005494	Scurry 69-12.5Kv	73,143.85	226,719.82	220,312.07	520,175.74	447,031.89	0.4928330	0.5071670	36,047.70	37,096.15	256,359.77	263,815.97
0005495	Scurry-Chevron 138-12.5Kv	(387,616.94)	468,916.19	126,883.13	208,182.38	595,799.32	0.2129629	0.7870371	(82,548.01)	(305,068.93)	44,335.12	163,847.26
0005496	Scurry-Santa Fe 69-4.2Kv	0.00	60,888.40	12,161.07	73,049.47	73,049.47	0.1664772	0.8335228	0.00	0.00	12,161.07	60,888.40
0005507	Colorado River Mun. Water #7	0.00	1,375.11	0.00	1,375.11	1,375.11	0.0000000	1.0000000	0.00	0.00	0.00	1,375.11
0005508	Colorado River Mun.Water #8	0.00	1,355.55	0.00	1,355.55	1,355.55	0.0000000	1.0000000	0.00	0.00	0.00	1,355.55
0005514	Sweetwater Downtown 138-12Kv	99,313.56	832,885.80	30,443.62	962,442.98	863,129.42	0.0352712	0.9647288	3,502.91	95,810.65	33,946.53	928,496.45
0005516	XTO Univ. Block 9 Substation	0.00	14,707.51	0.00	14,707.51	14,707.51	0.0000000	1.0000000	0.00	0.00	0.00	14,707.51
0005519	Tonkawa 1 WSL	17,501.03	40,835.76	0.00	58,336.79	40,835.76	0.0000000	1.0000000	0.00	17,501.03	0.00	58,336.79
0005520	U.S.Gypsum Plant 69Kv-480Kv	0.00	60,022.50	5,481.39	65,503.89	65,503.89	0.0836804	0.9163196	0.00	0.00	5,481.39	60,022.50
0005521	Tonkawa 2 WSL	15,643.50	36,501.57	0.00	52,145.07	36,501.57	0.0000000	1.0000000	0.00	15,643.50	0.00	52,145.07
0005522	U.S. Gypsum Plant #2 69-4Kv	0.00	57,831.45	7,738.67	65,570.12	65,570.12	0.1180213	0.8819787	0.00	0.00	7,738.67	57,831.45
0005525	Westbrook 69-12.5Kv	159,365.78	1,059,123.13	586,484.98	1,804,973.89	1,645,608.11	0.3563941	0.6436059	56,797.02	102,568.76	643,282.00	1,161,691.89
0005539	Deep Creek Sub	732,571.41	2,473,139.95	1,270,104.12	4,475,815.48	3,743,244.07	0.3393057	0.6606943	248,565.67	484,005.74	1,518,669.79	2,957,145.69
0005550	Andrews 138-12.5KV	150,856.95	374,343.25	1,128,347.56	1,653,547.76	1,502,690.81	0.7508847	0.2491153	113,276.18	37,580.77	1,241,623.74	411,924.02
0005552	Adobe Meadows 138-12.5Kv	226,241.24	2,509,242.17	646,949.70	3,382,433.11	3,156,191.87	0.2049779	0.7950221	46,374.46	179,866.78	693,324.16	2,689,108.95
0005560	Amoco-No Cowden 138-12.5Kv	(214,318.54)	330,731.36	69,838.68	186,251.50	400,570.04	0.1743482	0.82656518	(37,366.06)	(176,952.48)	32,472.62	153,778.88
0005563	Littman Substation	613,050.51	1,492,060.00	1,337,353.61	3,442,464.12	2,829,413.61	0.4726611	0.5273389	289,765.10	323,285.41	1,627,118.71	1,815,345.41
0005565	Bakk 138-12.5Kv	429,173.15	2,865,041.32	643,598.86	3,937,813.33	3,508,640.18	0.1834326	0.8165674	78,724.33	350,448.82	722,323.19	3,215,490.14
0005566	Barnsley 69-12.5Kv	724,894.30	1,723,757.92	1,042,514.89	3,491,167.11	2,766,272.81	0.3768663	0.6231337	273,188.20	451,706.10	1,315,703.09	2,175,464.02
0005567	Gasland Substation	770,562.90	1,606,414.16	965,115.83	3,342,092.89	2,571,529.99	0.3753080	0.6246920	289,198.44	481,364.46	1,254,314.27	2,087,778.62
0005570	Big Three Odessa 138-4.1Kv	14,703.70	198,880.73	28,870.60	242,455.03	227,751.33	0.1267637	0.8732363	1,863.90	12,839.80	30,734.50	211,720.53
0005572	Black River 138-12.5Kv.1Kv	266,279.87	2,099,981.09	304,268.94	2,670,529.90	2,404,250.03	0.1265564	0.8734454	33,698.95	232,580.92	337,967.89	2,332,562.01
0005573	Cheyenne 138-12.5Kv	604,108.30	2,798,725.56	667,481.60	4,070,315.46	3,466,207.16	0.1925683	0.8074317	116,332.10	487,776.20	783,813.70	3,286,501.76

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 362 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit Only	(F) DIST % Based on Property Unit	(G) TCOS % of Common Investment	(H) DIST % of Common Investment	Total TCOS of 362	Total DIST of 362
		(1 - E)	(T / (D + T))	(1 - E)	(C * E)	(C - G)	(T + G)	(D + H)				
0005574	Coyanosa 69-22Kv	39,138.55	109,698.94	22,011.15	170,848.64	131,710.09	0.1671182	0.8328818	6,540.76	32,597.79	28,651.91	142,296.73
0005575	Crane Atlantic 69-12.5Kv	0.00	77,481.54	24,864.33	102,345.87	102,345.87	0.2429441	0.7570559	0.00	0.00	24,864.33	77,481.54
0005576	Crane Humble 69-2.4Kv5Kv	0.00	57,018.81	13,012.90	70,031.71	70,031.71	0.1858144	0.8141856	0.00	0.00	13,012.90	57,018.81
0005577	Crane-Arco 138Kv (Arco Owned)	0.00	1.00	0.00	1.00	1.00	0.0000000	1.0000000	0.00	0.00	0.00	1.00
0005580	Castile Hill Substation	978,161.61	2,691,314.94	2,219,809.33	5,889,285.88	4,911,124.27	0.4519962	0.5480038	442,125.30	536,036.31	2,661,934.63	3,227,351.25
0005583	Yarbrough Sub	512,687.81	1,824,028.76	792,435.45	3,129,152.02	2,616,464.21	0.3028650	0.6971350	155,275.20	357,412.61	947,710.65	2,181,441.37
0005584	Dollarhide 138-22Kv	161,881.73	368,479.93	2,062,273.65	2,592,635.31	2,430,753.58	0.8484092	0.1515908	137,341.95	24,539.78	2,199,615.60	393,019.71
0005590	Ector-Harper 138-12.5Kv	496,218.57	2,504,218.68	480,172.00	3,480,609.25	2,984,390.68	0.1608945	0.8391055	79,838.83	416,379.74	560,010.83	2,920,598.42
0005591	Ector-Hillmont 138-12.5Kv	149,133.00	3,943,782.88	725,092.89	4,818,008.77	4,668,875.77	0.1553035	0.8446965	23,160.88	125,972.12	748,253.77	4,069,755.00
0005592	Ector-Shell 69-4.1Kv	0.00	43,206.59	8,070.75	51,277.34	51,277.34	0.1573941	0.8426059	0.00	0.00	8,070.75	43,206.59
0005593	Exxon Cordova 69-4.1Kv	0.00	24,290.56	6,055.14	30,345.70	30,345.70	0.1995386	0.8004614	0.00	0.00	6,055.14	24,290.56
0005594	Elcor 138-4.1Kv	4,207.28	56,969.34	7,812.36	68,988.98	64,781.70	0.1205952	0.8794048	507.38	3,699.90	8,319.74	60,669.24
0005595	Edwards 138-12.5Kv	106,293.53	558,373.93	42,658.08	707,325.54	601,032.01	0.0709747	0.9290253	7,544.15	98,749.38	50,202.23	657,123.31
0005596	Emma 69-12.5Kv	778,828.85	1,704,229.29	1,052,471.56	3,535,529.70	2,756,700.85	0.3817866	0.6182134	297,346.45	481,482.40	1,349,818.01	2,185,711.69
0005597	Elmar 138-22Kv	642,516.58	2,814,703.69	729,529.03	4,186,749.30	3,544,232.72	0.2058355	0.7941645	132,252.74	510,263.84	861,781.77	3,324,967.53
0005598	Frankel City 69-12.5Kv	810,482.96	1,539,176.07	984,833.36	3,334,492.39	2,524,009.43	0.3901861	0.6098139	316,239.17	494,243.79	1,301,072.53	2,033,419.86
0005600	Getty 69-12.5Kv	(67,636.19)	67,932.22	8,307.99	8,604.02	76,240.21	0.1089712	0.8910288	(7,370.40)	(60,265.79)	937.59	7,666.43
0005606	Glenhaven 138-12.5Kv	387,856.76	2,766,466.85	986,095.54	4,140,419.15	3,752,562.39	0.2627793	0.7372207	101,920.71	285,936.05	1,088,016.25	3,052,402.90
0005608	Goddard 138-12.5Kv	1,478,158.03	2,991,435.67	2,670,724.50	7,140,318.20	5,662,160.17	0.4716794	0.5283206	697,216.74	780,941.29	3,367,941.24	3,777,376.96
0005619	Goldsmith 69-12.5Kv	423,959.98	4,538,875.90	1,575,812.56	6,538,648.44	6,114,668.46	0.2577094	0.7422906	109,258.46	314,701.52	1,685,071.02	4,853,577.42
0005624	Grandview 138-12.5Kv	272,518.92	2,573,800.09	957,550.38	3,803,869.39	3,531,350.47	0.2711570	0.7288430	73,895.41	198,623.51	1,031,445.79	2,772,423.60
0005625	Goldsmith Gulf Sub (Cust)	0.00	3,694.40	0.00	3,694.40	3,694.40	0.0000000	1.0000000	0.00	0.00	0.00	3,694.40
0005628	Judkins 138-12.5Kv	262,418.58	1,031,342.24	613,622.67	1,907,383.49	1,644,964.91	0.3730309	0.6269691	97,890.23	164,528.35	711,512.90	1,195,870.59
0005630	Keystone 69-12.5Kv	111,956.27	332,818.73	27,964.84	472,739.84	360,783.57	0.0775114	0.9224886	8,677.89	103,278.38	36,642.73	436,097.11
0005634	Loving 138/33Kv	903,837.71	6,237,718.24	1,518,599.68	8,660,155.63	7,756,317.92	0.1957887	0.8042113	176,961.24	726,876.47	1,695,560.92	6,964,594.71
0005635	WGP Substation (CUST)	0.00	30,812.13	0.00	30,812.13	30,812.13	0.0000000	1.0000000	0.00	0.00	0.00	30,812.13
0005636	Mason 138/33Kv	1,400,799.26	5,950,172.82	2,939,785.73	10,290,757.81	8,889,958.55	0.3306861	0.6693139	463,224.85	937,574.41	3,403,010.58	6,887,747.23
0005637	Mayfield 138 Kv	782,039.21	3,467,653.47	1,055,782.40	5,305,475.08	4,523,435.87	0.2334028	0.7665972	182,530.11	599,509.10	1,238,312.51	4,067,162.57
0005638	Barstow Northwest	1,330,069.61	5,502,386.94	1,968,708.92	8,801,165.47	7,471,095.86	0.2635101	0.7364899	350,486.72	97,598.89	2,319,195.64	6,481,969.83
0005644	Means 69-12.5Kv	136,379.73	755,079.74	538,648.42	1,430,107.89	1,293,728.16	0.4163536	0.5836464	56,782.20	79,597.53	595,430.62	834,677.27
0005650	Midland Airport 138-12.5Kv	343,065.26	2,669,413.52	1,051,944.35	4,064,423.13	3,721,357.87	0.2826776	0.7173224	96,976.85	246,088.41	1,148,921.20	2,915,501.93
0005653	Mariensfield Substation	681,258.50	2,480,882.11	1,124,146.06	4,286,286.67	3,605,028.17	0.3118273	0.6881727	212,434.97	468,823.53	1,336,581.03	2,949,705.64
0005655	Midland Basin 69-4.16Kv	68,247.29	330,903.44	22,313.26	421,463.99	353,216.70	0.0631716	0.9368284	4,311.29	63,936.00	26,624.55	394,839.44
0005656	Oxy Oil Sub 69Kv	103,864.65	215,763.72	139,028.39	458,656.76	354,792.11	0.3918587	0.6081413	40,700.27	63,164.38	179,728.66	278,928.10
0005657	Midland Downtown 138-12Kv	350,397.78	3,691,827.02	1,799,768.18	5,841,992.98	5,491,595.20	0.3277314	0.6722686	114,836.35	235,561.43	1,914,604.53	3,927,388.45
0005658	Midland Farms 69-12.5Kv	120,195.15	2,094,294.89	720,623.95	2,935,113.99	2,814,918.84	0.2560017	0.7439983	30,770.16	89,424.99	751,394.11	2,183,719.88
0005661	MIDLAND GULF 69-4.16KV	85,650.91	344,927.33	127,338.33	557,916.57	472,265.66	0.2696328	0.7303672	23,094.30	62,556.61	150,432.63	407,483.94
0005662	Midessa Substation	572,153.86	4,101,045.77	831,480.86	5,504,680.49	4,932,526.63	0.1685710	0.8314290	96,448.54	475,705.32	927,929.40	4,576,751.09
0005663	Buchanan Ranch Sub	691,063.38	2,020,836.21	403,187.47	3,115,087.06	2,424,023.68	0.1663298	0.8336702	114,944.46	576,118.92	518,131.93	2,596,955.13
0005665	High Sky Sub	511,782.06	1,971,252.78	999,057.42	3,482,092.26	2,970,310.20	0.3363478	0.6636522	172,136.79	339,645.27	1,171,194.21	2,310,898.05
0005667	Midland West 138-12.5Kv	1,327,684.44	6,405,862.40	1,338,577.68	9,072,124.52	7,744,440.08	0.1728437	0.8271563	229,481.89	1,098,202.55	1,568,059.57	7,504,064.95
0005668	Gravel Pit Sub	578,052.51	4,217,462.67	1,048,531.39	5,844,046.57	5,265,994.06	0.1991137	0.8008863	115,098.16	462,954.35	1,163,629.55	4,680,417.02

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
TCOS ALLOCATION OF FERC ACCOUNT 362 WITHOUT NTUSU  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit	(F) DIST % Based on Property Unit	(G) TCOS % of Common Investment	(H) DIST % of Common Investment	Total TCOS of 362 (T+G)	Total DIST of 362 (D+H)
0005670	Midway 69-12.5Kv	915,848.77	1,827,072.18	2,033,985.70	4,776,906.65	3,861,057.88	0.5267949	0.4732051	482,464.48	433,384.29	2,516,450.18	2,260,456.47
0005672	Mockingbird 138-12.5Kv	420,630.52	2,629,131.38	1,845,547.52	4,895,309.42	4,474,678.90	0.4124424	0.5875576	173,485.88	247,144.64	2,019,033.40	2,876,276.02
0005673	Monahans 138-12.5Kv	112,302.16	1,291,253.86	225,199.47	1,628,755.49	1,516,453.33	0.1485041	0.8514959	16,677.33	95,624.83	241,876.80	1,386,878.69
0005674	Mustang 138-22Kv	151,805.64	492,749.89	233,238.10	877,793.63	725,987.99	0.3212699	0.6787301	48,770.59	103,035.05	282,008.69	595,784.94
0005676	North Cowden 69-12.5Kv	624,946.93	1,140,798.67	649,989.28	2,415,734.88	1,790,787.95	0.3629627	0.6370373	226,832.44	398,114.49	876,821.72	1,538,913.16
0005677	Northern Natural Gas 69-2.Kv	3,040.11	68,126.45	21,774.26	92,940.82	89,900.71	0.2422034	0.7577966	736.33	2,303.78	22,510.59	70,430.23
0005679	Northward 69-12.5Kv	(8,786.42)	119,157.93	0.00	110,371.51	119,157.93	0.0000000	1.0000000	0.00	(8,786.42)	0.00	110,371.51
0005680	Thorntonville Sub	737,164.69	3,611,903.60	1,470,377.57	5,819,445.86	5,082,281.17	0.2893145	0.7106855	213,272.42	523,892.27	1,683,649.99	4,135,795.87
0005686	Odessa Basin 69KV	0.00	41,814.35	4,094.83	45,909.18	45,909.18	0.0891941	0.9108059	0.00	0.00	4,094.83	41,814.35
0005688	Odessa Southwest 138Kv	280,040.93	3,703,969.71	642,163.73	4,626,174.37	4,346,133.44	0.1477552	0.8522448	41,377.50	238,663.43	683,541.23	3,942,633.14
0005714	Peck 69-12.5Kv	262,069.63	1,807,706.09	706,864.44	2,776,640.16	2,514,570.53	0.2811074	0.7188926	73,669.72	188,399.91	780,534.16	1,996,106.00
0005715	Pegasus 138-12.5Kv	527,340.23	3,299,099.38	374,758.34	4,201,197.95	3,673,857.72	0.1020068	0.8979932	53,792.27	473,547.96	428,550.61	3,772,647.34
0005716	Pegasus Tap Sw Station 69Kv	0.00	0.00	0.00	0.00	0.00	0.2418612	0.7581388	0.00	0.00	0.00	0.00
0005718	Pembrook 69-12.5Kv	0.00	6,351.96	0.00	6,351.96	6,351.96	0.0000000	1.0000000	0.00	0.00	0.00	6,351.96
0005719	Phillips-Andrews 69-2.4Kv	3,901.87	470,675.25	110,458.64	585,035.76	581,133.89	0.1900743	0.8099257	741.65	3,160.22	111,200.29	473,835.47
0005720	Alkali Lake Sub	1,013,357.39	11,508,870.13	1,218,632.41	13,740,859.93	12,727,502.54	0.0957480	0.9042520	97,026.90	916,330.49	1,315,659.31	12,425,200.62
0005721	Reagan-Shell 69-2.4Kv	0.00	964.24	0.00	964.24	964.24	0.0000000	1.0000000	0.00	0.00	0.00	964.24
0005727	Rexall Sw. Station 138Kv	111,100.50	168,447.04	981,874.45	1,261,421.99	1,150,321.49	0.8535652	0.1464348	94,831.53	16,268.97	1,076,705.98	184,716.01
0005740	Royalty 69-12.5Kv	145,559.82	281,239.07	161,396.80	588,195.69	442,635.87	0.3646266	0.6353734	53,074.98	92,484.84	214,471.78	373,723.91
0005741	San Andres 69-2.4Kv	134,263.28	1,511,997.00	249,346.44	1,895,606.72	1,761,343.44	0.1415661	0.8584339	19,007.12	115,256.16	268,353.56	1,627,253.16
0005743	Sandhills 138-12.5Kv	687,956.64	3,989,337.05	1,216,977.57	5,894,271.26	5,206,314.62	0.2337503	0.7662497	160,810.07	527,146.57	1,377,787.64	4,516,483.62
0005745	Screwbean 138-22Kv	1,042,517.67	6,498,408.21	3,313,552.35	10,854,478.23	9,811,960.56	0.3377054	0.6622946	352,063.88	690,453.79	3,665,616.23	7,188,862.00
0005746	Southwestern Portland 138-4Kv	110,564.23	413,183.13	29,112.76	552,860.12	442,295.89	0.0658219	0.9341781	7,277.55	103,286.68	36,390.31	516,469.81
0005747	South Pegasus 69-12.5Kv	200,244.54	4,156,875.42	533,463.06	4,890,583.02	4,690,338.48	0.1137366	0.8862634	22,775.13	177,469.41	556,238.19	4,334,344.83
0005752	Stanton Substation	405,283.88	3,445,137.86	979,333.94	4,829,755.68	4,424,471.80	0.2213448	0.7786552	89,707.49	315,576.39	1,069,041.43	3,760,714.25
0005755	Tex-Harvy 69-12.5Kv	762,244.43	2,005,658.40	588,902.30	3,356,815.13	2,594,570.70	0.2267949	0.7730251	173,010.32	589,234.11	761,912.62	2,594,902.51
0005756	Lonesome Draw Sub	1,443,249.56	7,111,499.14	1,391,364.37	9,946,113.07	8,502,863.51	0.1636348	0.8363652	236,165.85	1,207,083.71	1,627,530.22	8,318,582.85
0005758	Texas Instruments 138-12.5Kv	313,203.31	2,098,741.98	661,648.37	3,073,593.66	2,760,390.35	0.2396938	0.7603062	75,072.88	238,130.43	736,721.25	2,336,872.41
0005761	Upton 138-12.5Kv	164,923.31	769,196.10	458,979.17	1,393,098.58	1,228,175.27	0.3737082	0.6262918	61,633.19	103,290.12	520,612.36	872,486.22
0005764	Vest 138 - 13.2Kv	822,792.91	2,210,342.52	955,351.32	3,988,486.75	3,165,693.84	0.3017826	0.6982174	248,304.58	574,488.33	1,203,655.90	2,784,830.85
0005766	Alligator Draw Sub	578,704.84	3,548,871.91	956,305.77	5,083,882.52	4,505,177.68	0.2122682	0.7877318	122,840.61	455,864.23	1,079,146.38	4,004,736.14
0005771	Westover 138-12.5Kv	974,178.37	3,713,436.43	1,116,234.23	5,803,849.03	4,829,670.66	0.2311202	0.7688798	225,152.26	749,026.11	1,341,386.49	4,462,462.54
0005774	Wickett 69-12.5Kv	395,642.20	1,049,246.58	1,344,892.27	2,789,781.05	2,394,138.85	0.5617436	0.4382564	222,249.49	173,392.71	1,567,141.76	1,222,639.29
0005780	Windwood 138-12.5Kv	159,086.37	2,185,282.53	992,174.27	3,336,543.17	3,177,456.80	0.3122542	0.6877458	49,675.39	109,410.98	1,041,849.66	2,294,693.51
0005782	Wink Basin 69-4.1Kv	0.00	65,420.18	12,034.25	77,454.43	77,454.43	0.1553720	0.8446280	0.00	0.00	12,034.25	65,420.18
0005785	Wink-Gulf 69-12.5Kv	10,377.00	10,157.60	3,481.63	24,016.23	13,639.23	0.2552659	0.7447341	2,648.89	7,728.11	6,130.52	17,885.71
0005790	Wolfcamp 69-2.4Kv	64.69	71,349.29	21,711.81	93,125.79	93,061.10	0.2333070	0.7666930	15.09	49.60	21,726.90	71,398.89
0005802	Sheppard Afb 69K Pod	48,153.22	14,858.91	126,300.71	189,312.84	141,159.62	0.8947368	0.1052632	43,084.46	5,068.76	169,385.17	19,927.67
0005811	Parks Bell Ranch Sub	678,965.22	2,414,332.45	783,670.45	3,876,968.12	3,198,002.90	0.2450499	0.7549501	166,380.39	512,584.83	950,050.84	2,926,917.28
0005825	Glasscock County North Sub	298,010.83	1,621,522.37	661,886.16	2,581,419.36	2,283,408.53	0.2898676	0.7101324	86,383.69	211,627.14	748,269.85	1,833,149.51
0005831	Crane East Substation	431,822.96	3,565,339.44	498,259.60	4,495,422.00	4,063,599.04	0.1226153	0.8773847	52,948.12	378,874.84	551,207.72	3,944,214.28
0005832	Coyanosa Northwest Substation	264,145.45	3,138,835.95	1,119,946.66	4,522,928.06	4,258,782.61	0.2629734	0.7370266	69,463.23	194,682.22	1,189,409.89	3,333,518.17

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 362 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) Investment Total Only	(E) TCOS % Based on DIST & TCOS Investment Total Only	(F) DIST % Based on Property Unit (T / (D + T))	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 362 (T + G)	Total DIST of 362 (D + H)
0005835	Salt Lake Sub	414,786.15	2,074,798.63	898,703.28	3,388,288.06	2,973,501.91	0.3022373	0.6977627	125,363.86	289,422.29	1,024,067.14	2,364,220.92
0005839	Odessa 138-12.5KV	1,674,004.13	2,757,056.27	4,020,079.64	8,451,140.04	6,777,135.91	0.5931827	0.4068173	992,990.26	681,013.87	5,013,069.90	3,438,070.14
0005844	Centralia Substation	1,002,676.61	5,502,245.34	1,137,726.46	7,642,648.41	6,639,971.80	0.1713451	0.8286549	171,803.70	830,872.91	1,309,530.16	6,333,118.25
0005850	Shafter Lake Substation	580,545.66	2,476,270.10	726,534.55	3,783,350.31	3,202,804.65	0.2268432	0.7731568	131,692.85	448,852.81	858,227.40	2,925,122.91
0005853	Anarene 69-12.5Kv	0.00	72,968.47	12,030.44	84,998.91	84,998.91	0.1415364	0.8584636	0.00	0.00	12,030.44	72,968.47
0005856	Archer City 69-12.5Kv	134,387.02	247,925.39	89,114.81	471,427.22	337,040.20	0.2644041	0.7355959	35,532.48	98,854.54	124,647.29	346,779.93
0005858	Pirate Cove Sub	324,403.74	179,416.17	1,720,213.54	2,224,033.45	1,899,629.71	0.9055520	0.0944480	293,764.47	30,639.27	2,013,978.01	210,055.44
0005859	Arthur Stret 138-12.5Kv	227,808.41	1,703,283.67	442,614.89	2,373,706.97	2,145,898.56	0.2062609	0.7937391	46,987.96	180,820.45	489,602.85	1,884,104.12
0005862	Bellevue 69-12.5Kv	56,114.48	324,602.54	102,561.97	483,278.99	427,164.51	0.2400995	0.7599005	13,473.06	42,641.42	116,035.03	367,243.96
0005865	Blackwell 69-12.5Kv	128,553.07	219,596.11	46,708.00	394,857.18	266,304.11	0.1753935	0.8246065	22,547.37	106,005.70	69,255.37	325,601.81
0005868	Bomarton 69-12.5Kv	34,474.70	144,411.62	106,370.21	285,256.53	250,781.83	0.4241544	0.5758456	14,622.59	19,852.11	120,992.80	164,263.73
0005869	Boomtown 138-12.5Kv	74,565.07	318,871.45	30,474.98	423,911.50	349,346.43	0.0872343	0.9127657	6,504.63	68,060.44	36,979.61	386,931.89
0005871	Tower One Sub	76,482.26	212,063.76	255,065.95	543,611.97	467,129.71	0.5460281	0.4539719	41,761.46	34,720.80	296,827.41	246,784.56
0005874	Bowie Service 69-2.4Kv	0.00	34,486.18	10,988.31	45,474.49	45,474.49	0.2416368	0.7583632	0.00	0.00	10,988.31	34,486.18
0005877	Burkburnett 69-12.5Kv	318,111.36	1,185,699.82	146,864.39	1,650,675.57	1,332,564.21	0.1102119	0.8897881	35,059.65	283,051.71	181,924.04	1,468,751.53
0005878	City View 138-12.5Kv	122,316.43	949,763.72	294,273.99	1,366,354.14	1,244,037.71	0.2365475	0.7634525	28,933.64	93,382.79	323,207.63	1,043,146.51
0005881	Diamond Shamrock	8,370.49	209,060.30	9,118.06	226,548.85	218,178.36	0.0417918	0.9582082	349.82	8,020.67	9,467.88	217,080.97
0005882	Cryovac 69-12.5Kv	165,932.53	305,871.87	235,194.05	706,998.45	541,065.92	0.4346865	0.5653135	72,128.63	93,803.90	307,322.68	399,675.77
0005883	Electra 69-12.5Kv	86,935.76	865,152.09	835,378.10	1,787,465.95	1,700,530.19	0.4912457	0.5087543	42,706.82	44,228.94	878,084.92	909,381.03
0005884	Fisher Road 69-12.5Kv	65,576.27	348,049.68	66,047.34	479,673.29	414,097.02	0.1594973	0.8405027	10,459.24	55,117.03	76,506.58	403,166.71
0005885	Foundry 69-4.2Kv	0.00	2,270.84	0.00	2,270.84	2,270.84	0.0000000	1.0000000	0.00	0.00	0.00	2,270.84
0005889	Henrietta 69-12.5Kv	105,164.92	369,381.73	436,715.32	911,261.97	806,097.05	0.5417652	0.4582348	56,974.69	48,190.23	493,690.01	417,571.96
0005890	Henrietta, West 69-12.5Kv Subs	11,176.47	269,078.34	162,634.75	442,889.56	431,713.09	0.3767195	0.6232805	4,210.39	6,966.08	166,845.14	276,044.42
0005892	Iowa Park 69-12.5Kv	277,061.55	369,809.12	473,372.43	1,120,243.10	843,181.55	0.5614122	0.4385878	155,545.74	121,515.81	628,918.17	491,324.93
0005895	Kamay (Kma) 69-12.5Kv	46,859.93	251,069.82	190,850.47	488,780.22	441,920.29	0.4318663	0.5681337	20,237.22	26,622.71	211,087.69	277,692.53
0005898	Sikes 138-12.5 Kv	151,279.80	1,976,884.82	714,734.80	2,842,899.42	2,691,619.62	0.2655408	0.7344592	40,170.96	111,108.84	754,905.76	2,087,993.66
0005900	Lake Arrowhead 138-2.4Kv	61,683.22	154,879.29	394,289.83	610,852.34	549,169.12	0.7179752	0.2820248	44,287.02	17,396.20	438,576.85	172,275.49
0005901	Pumper Sub	1,144,310.00	2,011,128.28	1,289,768.80	4,445,207.08	3,300,897.08	0.3907328	0.6092672	447,119.46	697,190.54	1,736,888.26	2,708,318.82
0005902	Shipwreck Sub	1,338,595.02	5,050,695.60	2,142,661.76	8,571,952.38	7,233,357.36	0.2962195	0.7037805	396,518.00	942,077.02	2,539,179.76	6,032,772.62
0005904	Navy Kickapoo 69-2.4Kv	0.00	107,787.41	10,432.90	118,220.31	118,220.31	0.0882496	0.9117504	0.00	0.00	10,432.90	107,787.41
0005905	Northstar 138-12.5Kv	45,994.48	309,501.79	114,465.22	469,961.49	423,967.01	0.2699861	0.7300139	12,417.87	33,576.61	126,883.09	343,078.40
0005906	Parkway 138-12.5Kv	483,167.53	3,003,552.07	355,361.19	3,842,080.79	3,358,913.26	0.1057965	0.8942035	51,117.42	432,050.11	406,478.61	3,435,602.18
0005909	Rathgeber 138-12.5Kv	55,577.26	239,167.57	99,068.61	393,813.44	338,236.18	0.2928977	0.7071023	16,278.45	39,298.81	115,347.06	278,466.38
0005910	Ringgold-Magnolia 69Kv	30,838.45	234,879.73	15,012.21	280,730.39	249,891.94	0.0600748	0.9399252	1,852.61	28,985.84	16,864.82	263,865.57
0005911	Riverbend 138-12.5Kv	292,648.65	1,317,398.53	102,650.21	1,712,697.39	1,420,048.74	0.0722864	0.9277136	21,154.52	271,494.13	123,804.73	1,588,892.66
0005912	Robintech 69-12.5Kv	(34,940.50)	369,331.53	122,611.49	457,002.52	491,943.02	0.2492392	0.7507608	(8,708.54)	(26,231.96)	113,902.95	343,099.57
0005913	Seymour 69-12.5/2.4Kv	69,095.79	165,983.71	1,072,258.98	1,307,338.48	1,238,242.69	0.8659522	0.1340478	59,833.65	9,262.14	1,132,092.63	175,245.85
0005916	Seymour Basin 69-4.1Kv	15,315.77	88,777.63	5,848.26	109,941.66	94,625.89	0.0618040	0.9381960	946.58	14,369.19	6,794.84	103,146.82
0005920	Vetrotex Sub 138-12.5Kv	0.00	0.00	0.00	0.00	0.00	0.2418612	0.7581388	0.00	0.00	0.00	0.00
0005921	Big Springs 69-2.4Kv	65,164.51	49,514.50	161,824.74	276,503.75	211,339.24	0.7657108	0.2342892	49,897.17	15,267.34	211,721.91	64,781.84
0005922	Big Springs West 138-12.5Kv	246,596.20	713,139.72	760,016.72	1,719,752.64	1,473,156.44	0.5159104	0.4840896	127,221.54	119,374.66	887,238.26	832,514.38
0005923	Coahoma 69-12.5/22Kv	62,007.56	359,797.70	73,049.93	494,855.19	432,847.63	0.1687659	0.8312341	10,464.76	51,542.80	83,514.69	411,340.50

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 362 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit	(F) DIST % Based on Property Unit	(G) TCOS % of Common Investment	(H) DIST % of Common Investment	Total TCOS of 362 (T+G)	Total DIST of 362 (D+H)
0005924	Dawson,69-12.5Kv	74,973.55	404,439.07	12,089.14	491,501.76	416,528.21	0.0290236	0.9709764	2,176.00	72,797.55	14,265.14	477,336.62
0005925	Iatan-Magnolia 69-2.4Kv	1,790.12	108,718.42	14,101.43	124,609.97	122,819.85	0.1148139	0.8851861	205.53	1,584.59	14,306.96	110,303.01
0005926	Ackerly 69-12.5Kv	87,579.15	158,828.03	196,673.18	443,080.36	355,501.21	0.5532279	0.4467721	48,451.23	39,127.92	245,124.41	197,955.95
0005928	Wichita Falls Basin 69Kv	20,906.03	912,366.10	13,438.72	946,710.85	925,804.82	0.0145157	0.9854843	303.47	20,602.56	13,742.19	932,968.66
0005930	PPG Oxygen Plant	0.00	9,312.92	0.00	9,312.92	9,312.92	0.0000000	1.0000000	0.00	0.00	0.00	9,312.92
0005937	Flower Grove Sub	822,164.91	1,816,361.16	824,822.85	3,463,348.92	2,641,184.01	0.3122928	0.6877072	256,756.21	565,408.70	1,081,579.06	2,381,769.86
0005938	Wichita Falls State Hospital 1	17,218.60	179,426.04	466,151.81	662,796.45	645,577.85	0.720691	0.2779309	12,433.02	4,785.58	478,584.83	184,211.62
0005954	Horsehead Draw Sub	673,843.13	4,431,143.74	1,248,267.76	6,353,254.63	5,679,411.50	0.2197882	0.7802118	148,102.78	525,740.35	1,396,370.54	4,956,884.09
0005980	CULBERSON 138-22KV SUB	500,195.63	1,754,137.98	623,319.77	2,877,653.38	2,377,457.75	0.2621791	0.7378209	131,140.85	369,054.78	754,460.62	2,123,192.76
0005988	Maverick Draw Sub	355,698.51	2,277,198.20	966,294.10	3,599,190.81	3,243,492.30	0.2979178	0.7020822	105,968.92	249,729.59	1,072,263.02	2,526,927.79
0007134	Rolling Hills TRWD Substation	0.00	33,929.27	0.00	33,929.27	33,929.27	0.0000000	1.0000000	0.00	0.00	0.00	33,929.27
0007137	Eulless Trinity 138-12.5KV	673,280.96	4,109,346.35	1,217,638.00	6,000,265.31	5,326,984.35	0.2285792	0.7714208	153,898.05	519,382.91	1,371,536.05	4,628,729.26
0007630	Magellan LP Substation	0.00	3,346.67	0.00	3,346.67	3,346.67	0.0000000	1.0000000	0.00	0.00	0.00	3,346.67
0101316	Files-Sinclair	2,177.53	421,723.85	254,499.22	678,400.60	676,223.07	0.3763539	0.6236461	819.52	1,358.01	255,318.74	423,081.86
0101317	Forreston	234,638.17	1,361,902.78	750,729.08	2,347,270.03	2,112,631.88	0.3553525	0.6446475	83,379.27	151,258.90	834,108.35	1,513,161.68
0101319	Grandview, 69Kv	413,652.25	777,715.36	1,020,467.00	2,211,834.61	1,798,182.36	0.5674992	0.4325008	234,747.31	178,904.94	1,255,214.31	956,620.30
0101331	Palmer, 69Kv	70,930.71	376,657.21	53,789.53	501,377.45	430,446.74	0.1249621	0.8750379	8,863.65	62,067.06	62,653.18	438,724.27
0101343	Waxahachie Ocf	594,103.79	759,251.40	1,407,973.03	2,761,328.22	2,167,224.43	0.6496665	0.3503335	385,969.31	208,134.48	1,793,942.34	967,385.88
0101345	Italy, 69KV	271,969.21	1,544,946.32	289,683.61	2,106,599.14	1,834,629.93	0.1578976	0.8421024	42,943.28	229,025.93	332,626.89	1,773,972.25
0101346	Graford 69Kv	34,485.87	200,493.59	20,612.88	265,592.34	221,106.47	0.0932260	0.9067740	3,214.98	31,270.89	23,827.86	231,764.48
0101348	Maypearl 69Kv	92,409.24	641,082.06	51,011.41	784,502.71	692,093.47	0.0737060	0.9262940	6,811.11	85,598.13	57,822.52	726,680.19
0101353	Grandview-Gulf 69Kv	3,191.78	330,018.09	43,554.12	376,763.99	373,572.21	0.1165882	0.8834118	372.12	2,819.66	43,926.24	332,837.75
0101354	Caddo Mills Hwy 66	236,373.17	49,896.89	1,068,062.59	1,354,332.65	1,117,959.48	0.9553679	0.0446321	225,823.34	10,549.83	1,293,885.93	60,446.72
0101355	India 69Kv	135,626.86	430,475.30	87,720.92	653,823.08	518,196.22	0.1692813	0.8307187	22,959.09	112,667.77	110,680.01	543,143.07
0101356	Munson 69Kv	7,183.20	138,838.79	21,052.99	167,074.98	159,891.78	0.1316702	0.8683298	945.81	6,237.39	21,998.80	145,076.18
0101357	Quinlan 69Kv	537,395.79	824,945.46	1,817,279.53	3,179,620.78	2,642,224.99	0.6877838	0.3122162	369,612.12	167,783.67	2,186,891.65	992,729.13
0101358	Caddo Mills, 69Kv	90,014.07	608,895.63	75,892.25	774,801.95	684,787.88	0.1108259	0.8891741	9,975.89	80,038.18	85,868.14	688,933.81
0101360	Caddo Mills,Explorer	121,097.77	486,797.00	143,178.29	751,073.06	629,975.29	0.2272760	0.7727240	27,522.62	93,575.15	170,700.91	580,372.15
0101362	Live Oak 69Kv	438,723.40	667,743.37	147,551.96	1,254,018.73	815,295.33	0.1809798	0.8190202	79,400.06	359,323.34	226,952.02	1,027,066.71
0101363	Maypearl Texaco 69KV	342,480.05	1,619,826.27	728,713.11	2,691,019.43	2,348,539.38	0.3102835	0.6897165	106,265.92	236,214.13	834,979.03	1,856,040.40
0101402	Air Products,138Kv	163,490.84	952,657.28	254,834.16	1,370,982.28	1,207,491.44	0.2110443	0.7889557	34,503.81	128,987.03	289,337.97	1,081,644.31
0101404	Irving 138Kv	243,978.39	2,042,349.45	801,868.70	3,088,196.54	2,844,218.15	0.2819294	0.7180706	68,784.68	175,193.71	870,653.38	2,217,543.16
0101405	Keller-Magnolia 138Kv	36,160.58	179,875.30	87,696.01	303,731.89	267,571.31	0.3277482	0.6722518	11,851.56	24,309.02	99,547.57	204,184.32
0101406	Alvarado, 138Kv	365,197.70	2,363,056.03	2,276,252.66	5,004,506.39	4,639,308.69	0.4906448	0.6093552	179,182.35	186,015.35	2,455,435.01	2,549,071.38
0101407	Midlothian Tx1 138Kv	296,478.41	1,864,312.62	847,238.08	3,008,029.11	2,711,550.70	0.3124552	0.6875448	92,636.22	203,842.19	939,874.30	2,068,154.81
0101408	Irving, North 138Kv	833,291.99	5,836,750.52	832,176.67	7,502,219.18	6,668,927.19	0.1247842	0.8752158	103,981.67	729,310.32	936,158.34	6,566,060.84
0101409	Richardson, 138Kv	136,891.89	2,279,519.30	356,149.24	2,772,560.43	2,635,668.54	0.1351267	0.8648733	18,497.75	118,394.14	374,646.99	2,397,913.44
0101411	Desoto-Pleasant Run,138Kv	336,818.66	2,147,339.69	417,819.72	2,901,978.07	2,565,159.41	0.1628826	0.8371174	54,861.88	281,956.78	472,681.60	2,429,296.47
0101418	Godley 138Kv	150,367.38	459,188.88	126,715.58	736,271.84	585,904.46	0.2162735	0.7837265	32,520.47	117,846.91	159,236.05	577,035.79
0101421	Lancaster,138Kv	173,159.37	1,259,687.22	215,118.22	1,647,964.81	1,474,805.44	0.1456621	0.8541379	25,257.39	147,901.98	240,375.61	1,407,589.20
0101422	Midlothian, North 138Kv	236,519.11	692,581.75	574,788.43	1,503,889.29	1,267,370.18	0.4535284	0.5464716	107,268.14	129,250.97	682,056.57	821,832.72
0101423	Duncanville 138Kv	309,564.44	1,056,896.61	87,838.99	1,454,300.04	1,144,735.60	0.0767330	0.9232670	23,753.81	285,810.63	111,592.80	1,342,707.24

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 362 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit	(F) DIST % Based on Property Unit	(G) TCOS % of Common Investment	(H) DIST % of Common Investment	Total TCOS of 362	Total DIST of 362
		(T / (D + T))	(1 - E)	(C * E)	(C - G)	(T + G)	(D + H)					
0101424	Irving, Northeast 138Kv	298,331.71	1,136,259.79	576,449.96	2,011,041.46	1,712,709.75	0.3365719	0.6634281	100,410.07	197,921.64	676,860.03	1,334,181.43
0101425	Irving-Grant Street 138Kv	275,637.18	864,300.54	535,202.87	1,675,140.59	1,399,503.41	0.3824234	0.6175766	105,410.11	170,227.07	640,612.98	1,034,527.61
0101426	Seagoville,138Kv	686,586.79	4,592,855.94	921,565.81	6,201,008.54	5,514,421.75	0.1671192	0.8328808	114,741.84	571,844.95	1,036,307.65	5,164,700.89
0101427	Mesquite, 138Kv	396,327.18	2,342,860.10	609,757.31	3,348,944.39	2,952,617.21	0.2065141	0.7934859	81,847.15	314,480.03	691,604.26	2,657,340.13
0101428	Ennis, South 138Kv	290,987.72	1,607,927.49	520,647.54	2,419,562.75	2,128,575.03	0.2445991	0.7554009	71,175.33	219,812.39	591,822.87	1,827,739.88
0101429	Addison 138Kv	373,843.22	2,441,456.62	506,321.66	3,321,621.50	2,947,778.28	0.1717638	0.8282362	64,212.74	309,630.48	570,534.40	2,751,087.10
0101430	Carrollton, 138Kv	670,366.50	3,250,745.09	1,970,565.53	5,891,677.12	5,221,310.62	0.3774082	0.6225918	253,001.83	417,364.67	2,223,567.36	3,668,109.76
0101434	Carrollton-Frankford Rd,138Kv	634,752.08	5,380,124.26	2,052,530.41	8,067,406.75	7,432,654.67	0.2761504	0.7238496	175,287.03	459,465.05	2,227,817.44	5,839,589.31
0101436	Garland-Dalrock Rd. 138Kv	426,845.41	3,052,430.86	453,943.31	3,933,219.58	3,506,374.17	0.1294623	0.8705377	55,260.39	371,585.02	509,203.70	3,424,015.88
0101437	Lavon, 138Kv	610,552.80	3,251,068.27	958,111.46	4,819,732.53	4,209,179.73	0.2276243	0.7723757	138,976.63	471,576.17	1,097,088.09	3,722,644.44
0101438	Plano, 138Kv	341,137.07	1,682,564.52	359,895.98	2,383,597.57	2,042,460.50	0.1620717	0.8237929	60,110.76	281,026.31	420,006.74	1,963,590.83
0101439	Mesquite, North 138Kv	183,309.04	1,118,056.98	282,317.50	1,583,683.52	1,400,374.48	0.2016014	0.7983986	36,955.36	146,353.68	319,272.86	1,264,410.66
0101441	Irving-Belt Line 138Kv	242,047.74	1,847,288.43	134,154.42	2,223,490.59	1,981,442.85	0.0677054	0.9322946	16,387.94	225,659.80	150,542.36	2,072,948.23
0101442	CARROLLTON COUNTRY CLUB 138 KV	199,481.38	1,934,726.79	533,342.82	2,667,559.09	2,468,069.61	0.2160972	0.7839028	43,107.36	156,374.02	576,450.18	2,091,100.81
0101443	Balch Springs,138Kv	301,372.15	849,422.70	253,960.29	1,404,755.14	1,103,382.99	0.2301651	0.7698349	69,365.36	232,006.79	323,325.65	1,081,429.49
0101444	Carrollton-Josey Lane	351,108.83	1,969,786.18	185,987.13	2,506,882.14	2,155,773.31	0.0862740	0.9137260	30,291.55	320,817.28	216,278.68	2,290,603.46
0101445	Farmers Branch,138Kv	1,170,465.80	4,154,684.46	929,620.40	6,254,770.66	5,084,304.86	0.1828412	0.8171588	214,009.37	956,456.43	1,143,629.77	5,111,140.89
0101446	Mesquite-Forney Rd. 138KV	151,197.26	846,195.43	71,484.12	1,068,876.81	917,679.55	0.0778966	0.9221034	11,777.75	139,419.51	83,261.87	985,614.94
0101448	Red Oak 138Kv	211,528.10	2,137,686.92	166,380.73	2,515,595.75	2,304,067.65	0.0722117	0.9277883	15,274.81	196,253.29	181,655.54	2,333,940.21
0101449	Rowlett 138Kv	142,973.31	2,232,084.09	445,113.79	2,820,171.19	2,677,197.88	0.1626611	0.8337389	23,770.90	119,202.41	468,884.69	2,351,286.50
0101451	Desoto-Hampton Road,138Kv	297,062.63	2,863,705.70	390,948.26	3,551,716.59	3,254,653.96	0.1201198	0.8798802	35,683.09	261,379.54	426,631.35	3,125,085.24
0101452	Crandall 138Kv	232,686.22	1,063,609.75	1,150,295.46	2,446,591.43	2,213,905.21	0.5195776	0.4804224	120,898.54	111,787.68	1,271,194.00	1,175,397.43
0101453	Airport, N.W. 138Kv	1,169,771.48	3,106,100.14	2,131,516.21	6,407,387.83	5,237,616.35	0.4069630	0.5930370	476,053.74	693,717.74	2,607,569.95	3,799,817.88
0101454	Airport, S. W. 138Kv	1,858,537.89	2,556,060.09	2,060,195.68	6,514,793.66	4,656,255.77	0.4424576	0.5575424	822,324.19	1,036,213.70	2,882,519.87	3,632,273.79
0101455	Airport, S. E. 138Kv	1,087,175.17	3,749,123.17	996,295.14	5,832,593.48	4,745,418.31	0.2099489	0.7900511	228,251.18	858,923.99	1,224,546.32	4,608,047.16
0101456	Garland 138Kv	162,969.43	775,612.64	378,006.87	1,316,588.94	1,153,619.51	0.3276703	0.6723297	53,400.24	109,569.19	431,407.11	885,181.83
0101457	Garland, West 138Kv	234,241.98	1,164,952.79	589,053.54	1,988,248.31	1,754,006.33	0.3358332	0.6641668	78,666.23	155,575.75	667,719.77	1,320,528.54
0101458	Mesquite-Western Electric	868,807.29	1,198,293.77	1,275,172.88	3,342,273.94	2,473,466.65	0.5155408	0.4844592	447,905.57	420,901.72	1,723,078.45	1,619,195.49
0101459	Mesquite, West 138Kv	403,044.47	1,653,590.25	470,722.85	2,527,357.57	2,124,313.10	0.2215883	0.7784117	89,309.92	313,734.55	560,032.77	1,967,324.80
0101460	Hutchins, 138Kv	112,365.05	1,276,431.80	131,652.45	1,520,449.30	1,408,084.25	0.0934976	0.9065024	10,505.86	101,859.19	142,158.31	1,378,290.99
0101461	Murphy Road Substation, 138Kv	478,167.38	5,478,217.86	552,114.37	6,508,499.61	6,030,332.23	0.0915562	0.9084438	43,779.19	434,388.19	595,893.56	5,912,606.05
0101462	Mcdermott Road Sub. 138Kv	616,651.25	4,791,957.22	1,027,800.31	6,436,408.78	5,819,757.53	0.1766053	0.8233947	108,903.91	507,747.34	1,136,704.22	5,299,704.56
0101463	Allen, North 138Kv	833,825.57	4,416,172.23	1,732,028.21	6,982,026.01	6,148,200.44	0.2817130	0.7182870	234,899.53	598,926.04	1,966,927.74	5,015,098.27
0101464	Plano Jupiter Rd. 138KV	359,600.26	3,705,771.54	317,822.50	4,383,194.30	4,023,594.04	0.0789897	0.9210103	28,404.72	331,195.54	346,227.22	4,036,967.08
0101465	Plano-Shiloh Rd.138Kv	1,401,543.62	5,311,794.02	1,029,476.79	7,742,814.43	6,341,270.81	0.1623455	0.8376545	227,534.30	1,174,009.32	1,257,011.09	6,485,803.34
0101467	Plano-Parker Rd.138Kv	384,422.17	1,964,940.46	364,364.59	2,713,727.22	2,329,305.05	0.1564263	0.8435737	60,133.74	324,288.43	424,498.33	2,289,228.89
0101469	Cottonwood Creek Substation	136,224.42	108,114.87	239,068.48	483,407.77	347,183.35	0.6885943	0.3114057	93,803.36	42,421.06	332,871.84	150,535.93
0101470	Mesquite-Town East, 138Kv	284,668.94	2,620,236.65	216,286.00	3,121,191.59	2,836,522.65	0.0762504	0.9237496	21,706.12	262,962.82	237,992.12	2,883,199.47
0101471	Richardson-Woodhaven 138Kv	358,211.03	1,808,926.23	266,678.69	2,433,815.95	2,075,604.92	0.1284824	0.8715176	46,023.81	312,187.22	312,702.50	2,121,113.45
0101472	Irving-Valley View, 138Kv	698,983.66	4,397,665.83	949,494.08	6,046,143.57	5,347,159.91	0.1775698	0.8224302	124,188.38	574,865.28	1,073,612.46	4,972,581.11
0101473	Cedar Hill-Clark Rd	367,997.87	2,220,420.14	563,801.73	3,152,119.74	2,784,221.87	0.0204989	0.7975011	74,498.90	293,398.97	638,300.63	2,513,819.11
0101474	Carrollton-Upfield Dr.138Kv	416,149.77	1,501,923.14	806,329.88	2,724,402.79	2,308,253.02	0.0393247	0.6506753	145,371.41	270,778.36	951,701.29	1,772,701.50

**2022 RATE CASE**  
**ONCOR ELECTRIC DELIVERY COMPANY LLC**  
**TCOS ALLOCATION OF FERC ACCOUNT 362 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit (1 - E)	(F) DIST % Based on Property Unit (T / (D + T))	(G) TCOS % of Common Investment (C * E)	(H) DIST % of Common Investment (C - G)	Total TCOS of 362 (T + G)	Total DIST of 362 (D + H)
0101475	Plano-Coit Rd. 138Kv	782,102.14	4,069,406.79	1,631,854.66	6,483,363.59	5,701,261.45	0.2862269	0.7137731	223,858.71	558,243.43	1,855,713.37	4,627,650.22
0101476	Richardson, Spring Creek, 138Kv	688,518.96	5,549,488.11	707,158.53	6,945,165.60	6,256,646.64	0.1130252	0.8869748	77,819.97	610,698.99	784,978.50	6,160,187.10
0101477	Ennis, 138Kv	362,383.09	1,199,487.76	179,865.24	1,741,736.09	1,379,353.00	0.1303983	0.8696017	47,254.13	315,128.96	227,119.37	1,514,616.72
0101478	Joshua, 138Kv	239,887.01	1,321,776.20	261,132.94	1,822,796.15	1,582,909.14	0.1649703	0.8350297	39,574.22	200,312.79	300,707.16	1,522,088.99
0101479	Lipan, 138 Kv	81,451.26	430,527.58	224,860.35	736,839.19	655,387.93	0.3430950	0.6569050	27,945.52	53,505.74	252,805.87	484,033.32
0101480	Crisp, 138Kv	229,846.10	2,244,779.51	908,043.09	3,382,668.70	3,152,822.60	0.2880096	0.7119904	66,197.88	163,648.22	974,240.97	2,408,427.73
0101481	Plano-Custer Rd. 138Kv	527,609.62	5,206,802.52	1,426,229.36	7,160,641.50	6,633,031.88	0.2150192	0.7849808	113,446.21	414,163.41	1,539,675.57	5,620,965.93
0101482	Farmers Branch-Gillis Rd,138Kv	419,115.66	3,175,082.50	500,728.26	4,094,926.42	3,675,810.76	0.1362225	0.8637775	57,093.00	362,022.66	557,821.26	3,537,105.16
0101483	Duncanville, South 138Kv	226,894.59	1,721,709.20	1,302,396.15	3,250,999.94	3,024,105.35	0.4306716	0.5693284	97,717.05	129,177.54	1,400,113.20	1,850,886.74
0101484	Waxahachie, North 138Kv	370,722.49	3,126,187.12	317,841.23	3,814,750.84	3,444,028.35	0.0922876	0.9077124	34,213.10	336,509.39	352,054.33	3,462,696.51
0101485	Hebron-Rosemeade Parkway	537,772.03	3,742,071.06	317,248.00	4,597,091.09	4,059,319.06	0.0781530	0.9218470	42,028.50	495,743.53	359,276.50	4,237,814.59
0101486	Richardson Collins Blvd 138Kv	607,600.62	2,780,065.84	2,079,498.79	5,467,165.25	4,859,564.63	0.4279187	0.5720813	260,003.69	347,596.93	2,339,502.48	3,127,662.77
0101487	Munson, West 138Kv	8,665.97	0.00	0.00	8,665.97	0.00	0.2418612	0.7581388	2,095.96	6,570.01	2,095.96	6,570.01
0101488	Carrollton-Tarpley Rd	733,670.64	5,411,325.55	887,318.61	7,032,314.80	6,298,644.16	0.1408745	0.8591255	103,355.52	630,315.12	990,674.13	6,041,640.67
0101490	Kaufman SW Station 138KV	127,749.24	670,984.88	621,557.96	1,420,292.08	1,292,542.84	0.4808800	0.5191200	61,432.05	66,317.19	682,990.01	737,302.07
0101491	Terrell, North 138Kv	271,112.48	1,601,408.94	519,947.29	2,392,468.71	2,121,356.23	0.2451014	0.7548986	66,450.04	204,662.44	586,397.33	1,806,071.38
0101493	Rose Hill, 138Kv	17,635.87	223,877.98	93,696.21	335,210.06	317,574.19	0.2950372	0.7049628	5,203.24	12,432.63	98,899.45	236,310.61
0101494	Seaway-Terrell 138Kv	(173,947.79)	67,264.71	9,681.43	(97,001.65)	76,946.14	0.1258209	0.8741791	(21,886.26)	(152,061.53)	(12,204.83)	(84,796.82)
0101495	Rockwall, 138Kv	222,669.07	1,893,946.79	921,145.51	3,037,761.37	2,815,092.30	0.3272168	0.6727832	72,861.06	149,808.01	994,006.57	2,043,754.80
0101497	Las Colinas 138Kv	503,276.68	3,064,596.09	820,743.71	4,388,616.48	3,885,339.80	0.2124124	0.7887588	106,312.75	396,963.93	927,056.46	3,461,560.02
0101499	Plano-Alma Rd.138Kv	379,620.36	2,252,763.22	442,210.11	3,074,593.69	2,694,973.33	0.1640870	0.8359130	62,290.77	317,329.59	504,500.88	2,570,092.81
0101500	Terrell, South 138kv Substatio	218,502.09	1,430,514.93	410,000.18	2,059,017.20	1,840,515.11	0.2227638	0.7772362	48,674.36	169,827.73	458,674.54	1,600,342.66
0101513	Irving-Valley Ranch 345Kv	559,981.90	6,550,648.87	1,563,108.72	8,673,739.49	8,113,757.59	0.1926492	0.8073508	107,880.05	452,101.85	1,670,988.77	7,002,750.72
0101514	Plano-Tennyson Pkwy 345Kv	240.37	448.80	705.07	1,394.24	1,153.87	0.6110480	0.3889520	146.88	93.49	851.95	542.29
0101520	Garland Telecom Parkway Sub	703,950.82	3,841,040.35	1,466,894.30	6,011,885.47	5,307,934.65	0.2763588	0.7236412	194,542.98	509,407.84	1,661,437.28	4,350,448.19
0101522	Rental Car Substation	637,199.29	4,009,814.17	1,217,922.44	5,864,935.90	5,227,736.61	0.2329732	0.7670268	148,450.35	488,748.94	1,366,372.79	4,498,563.11
0101525	Moorehead Substation	496,033.84	4,231,957.08	899,185.03	5,627,175.95	5,131,142.11	0.1752407	0.8247593	86,925.33	409,108.51	986,110.36	4,641,065.59
0101533	Creekside Sub	636,120.21	2,386,827.54	969,537.00	3,992,484.75	3,356,364.54	0.2888652	0.7111348	183,753.01	452,367.20	1,153,290.01	2,839,194.74
0101602	Garland-Bobtown,138K	474,083.23	1,374,047.45	709,419.22	2,557,549.49	2,083,466.67	0.3404994	0.6595006	161,425.07	312,658.16	870,844.29	1,686,705.61
0101606	Arco,Denton Co.	0.00	34,734.06	0.00	34,734.06	34,734.06	0.0000000	1.0000000	0.00	0.00	0.00	34,734.06
0101608	Midlothian, South 138Kv	272,585.00	1,358,213.03	984,543.97	2,615,342.00	2,342,757.00	0.4202501	0.5797499	114,553.89	158,031.11	1,099,097.86	1,516,244.14
0101610	Rockwall, South Dist 138Kv	243,867.47	2,833,046.35	482,304.26	3,559,218.08	3,315,350.61	0.1454761	0.8545239	35,476.89	208,390.58	517,781.15	3,041,436.93
0101611	Rockwall, East 138KV	262,342.65	2,027,595.37	351,716.54	2,641,654.56	2,379,311.91	0.1478228	0.8521772	38,780.22	223,562.43	390,496.76	2,251,157.80
0101612	Irving-Hunter Ferrell 138Kv	213,854.49	1,851,724.77	583,185.44	2,648,764.70	2,434,910.21	0.2395100	0.7604900	51,220.30	162,634.19	634,405.74	2,014,358.96
0101614	Waxahachie, Northwest 138Kv	177,578.19	2,024,392.90	95,598.04	2,297,569.13	2,119,990.94	0.0450936	0.9549064	8,007.64	169,570.55	103,605.68	2,193,963.45
0101616	Kaufman, South 138Kv	222,011.17	574,526.74	155,402.18	951,940.09	729,928.92	0.2129004	0.7870996	47,266.27	174,744.90	202,668.45	749,271.64
0101618	Kemp, South 138Kv	130,908.04	1,625,821.45	293,422.44	2,050,151.93	1,919,243.89	0.1528844	0.8471156	20,013.80	110,894.24	313,436.24	1,736,715.69
0101622	Irving-Lbj 138Kv Sub Site	931,294.04	3,855,542.03	706,119.21	5,492,955.28	4,561,661.24	0.1547943	0.8452057	144,159.02	787,135.02	850,278.23	4,642,677.05
0101623	Preston Meadows 138Kv Sub Site	233,303.16	3,873,261.62	981,346.51	5,087,911.29	4,854,608.13	0.2021474	0.7978526	47,161.63	186,141.53	1,028,508.14	4,059,403.15
0101625	Celina Southeast 138-25 KV	428,470.09	1,045,386.51	1,523,487.13	2,997,793.73	2,569,323.64	0.5929526	0.4070474	254,062.45	174,407.64	1,777,549.58	1,220,244.15
0101627	Lawson Rd Sub., 138Kv	338,149.46	2,664,322.98	505,226.74	3,507,699.18	3,169,549.72	0.1594002	0.8405998	53,901.08	284,248.38	559,127.82	2,948,571.36
0101628	Parkerville, 138Kv	311,592.18	2,456,426.87	767,224.36	3,535,243.41	3,223,651.23	0.2379986	0.7620014	74,158.49	237,433.69	841,382.85	2,693,860.56

2022 RATE CASE  
ONCOR ELECTRIC DELIVERY COMPANY LLC  
TCOS ALLOCATION OF FERC ACCOUNT 362 WITHOUT NTUSU  
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total	(E) TCOS % Based on Property Unit Only	(F) DIST % Based on Property Unit	(G) TCOS % of Common Investment	(H) DIST % of Common Investment	Total TCOS of 362 (T+G)	Total DIST of 362 (D +H)
0101629	Austin Ranch 138kv Sub	963,782.35	4,697,969.06	1,117,307.77	6,779,059.18	5,815,276.83	0.1921332	0.8078668	185,174.59	778,607.76	1,302,482.36	5,476,576.82
0101633	Elm Grove 138-24.9 KV	418,684.15	1,850,660.66	299,964.69	2,569,309.50	2,150,625.35	0.1394779	0.8605221	58,397.18	360,286.97	358,361.87	2,210,947.63
0101634	Communications Parkway 138-25	755,858.49	4,184,634.49	1,841,889.48	6,782,382.46	6,026,523.97	0.3056305	0.6943695	231,013.40	524,845.09	2,072,902.88	4,709,479.58
0101635	Plano Highway 190 138KV Sub	679,481.24	2,705,376.91	796,887.58	4,181,745.73	3,502,264.49	0.2275350	0.7724650	154,605.73	524,875.51	951,493.31	3,230,252.42
0101636	Irving Riverside 138-25KV	165,792.32	2,263,534.81	781,628.61	3,210,955.74	3,045,163.42	0.2566787	0.7433213	42,555.36	123,236.96	824,183.97	2,386,771.77
0101638	Sunnyvale	712,122.02	1,343,700.10	828,001.41	2,883,823.53	2,171,701.51	0.3812685	0.6187315	271,509.71	440,612.31	1,099,511.12	1,784,312.41
0101639	Grapevine Texan Trail 138-25KV	603,464.20	1,773,441.42	806,007.85	3,182,913.47	2,579,449.27	0.3124728	0.6875272	188,566.17	414,898.03	994,574.02	2,188,339.45
0101640	Buffalo Creek Substation	522,921.88	4,049,000.16	887,966.53	5,459,888.57	4,936,966.69	0.1798607	0.8201393	94,053.12	428,868.76	982,019.65	4,477,868.92
0101910	DWU Eastside Filtration Plant	133,183.40	81,824.96	10,203.66	225,212.02	92,028.62	0.1108749	0.8891251	14,766.69	118,416.71	24,970.35	200,241.67
0101911	Larkin Road 138-25 KV	163,923.69	1,370,239.06	355,343.45	1,889,506.20	1,725,582.51	0.2059267	0.7940733	33,756.26	130,167.43	389,099.71	1,500,406.49
0101914	Waxahachie Pump,Tcwcid 138Kv	7,081.05	141,476.83	78,746.86	227,304.74	220,223.69	0.3575767	0.6424233	2,532.02	4,549.03	81,278.88	146,025.86
0101922	Box Crow 138Kv	225,372.25	122,279.42	272,001.99	619,653.66	394,281.41	0.6898677	0.3101323	155,477.02	69,895.23	427,479.01	192,174.65
0101929	Irving-Dist Operating Center	103,810.34	18,592.25	0.00	122,402.59	18,592.25	0.0000000	1.0000000	0.00	103,810.34	0.00	122,402.59
0101940	Hitachi Sub. 138KV POD	2.37	1,750.17	11,278.80	13,031.34	13,028.97	0.8656709	0.1343291	2.05	0.32	11,280.85	1,750.49
0201302	Brownsboro 69Kv	139,836.25	971,1545.13	152,272.52	1,263,653.90	1,123,817.65	0.1354958	0.8645042	18,947.22	120,889.03	171,219.74	1,092,434.16
0201303	Chandler 69Kv	0.00	0.03	0.00	0.03	0.03	0.0000000	1.0000000	0.00	0.00	0.00	0.03
0201304	Chandler West	697,771.32	803,298.97	912,591.74	2,413,662.03	1,715,890.71	0.5318472	0.4681528	371,107.75	326,663.57	1,283,699.49	1,129,962.54
0201305	Elkhart, 69Kv	338,122.22	1,306,842.79	755,449.79	2,400,414.80	2,062,292.58	0.3663155	0.6336845	123,859.42	214,262.80	879,309.21	1,521,105.59
0201307	Frankston 69 KV	74,740.41	303,375.54	59,647.49	437,763.44	363,023.03	0.1643077	0.8356923	12,280.43	62,459.98	71,927.92	365,835.52
0201308	Grapeland, 69Kv	168,493.40	693,241.64	109,981.30	971,718.34	803,222.94	0.1369250	0.8630750	23,070.96	145,422.44	133,052.26	838,664.08
0201312	Murchison, 69Kv	39,992.67	525,391.33	32,399.80	597,783.80	557,791.13	0.05080859	0.9419141	2,323.01	37,669.66	34,722.81	563,060.99
0201314	Swan, 69Kv	0.00	0.00	2,203.91	2,203.91	2,203.91	1.0000000	0.0000000	0.00	0.00	2,203.91	0.00
0201318	Tyler, 69Kv	842,210.19	5,119,979.07	1,328,914.46	7,291,103.72	6,448,893.53	0.2060686	0.7939314	173,553.07	668,657.12	1,502,467.53	5,788,636.19
0201320	Delek Substation	0.00	2,646.24	0.00	2,646.24	2,646.24	0.0000000	1.0000000	0.00	0.00	0.00	2,646.24
0201321	Pynor, 69Kv	34,389.46	228,540.71	64,670.28	327,600.45	293,210.99	0.2205689	0.7794411	7,584.90	26,804.56	72,255.18	255,345.27
0201324	Elkhart-Gulf 69Kv	66,560.62	225,979.00	20,482.39	313,022.01	246,461.39	0.0831059	0.9168941	5,531.58	61,029.04	26,013.97	287,008.04
0201336	Brown-Magnolia,69Kv	119,287.28	614,669.37	49,732.16	783,688.81	664,401.53	0.0748526	0.9251474	8,928.96	110,358.32	58,661.12	725,027.69
0201337	Carroll Springs 69Kv	265,693.55	1,400,928.16	1,326,507.44	2,993,129.15	2,727,435.60	0.4863570	0.5136430	129,221.92	136,471.63	1,455,729.36	1,537,399.79
0201402	Cushing, 138Kv	293,888.16	1,410,100.62	707,772.91	2,411,761.69	2,117,873.53	0.3341904	0.6658096	98,214.59	195,673.57	805,987.50	1,605,774.19
0201403	Tyler, East 138Kv	330,220.73	1,622,242.52	1,273,699.22	3,226,162.47	2,895,941.74	0.4398221	0.5601779	145,238.38	184,982.35	1,418,937.60	1,807,224.87
0201405	Tyler Southwest 138-12.5 KV	343,103.65	2,660,753.98	1,008,035.43	4,011,893.06	3,668,789.41	0.2747597	0.7252403	94,271.05	248,832.60	1,102,306.48	2,909,586.58
0201406	Grapeland-Magnolia 138Kv	65,698.51	76,142.62	388,393.48	530,234.61	464,536.10	0.8360889	0.1639111	54,929.80	10,768.71	443,323.28	86,911.33
0201414	Tyler, South 138Kv	232,383.98	1,184,199.88	697,034.60	2,113,618.46	1,881,234.48	0.3705198	0.6294802	86,102.86	146,281.12	783,137.46	1,330,481.00
0201417	Tyler, GE Co. 138KV	409,566.70	2,443,705.29	497,594.02	3,350,866.01	2,941,299.31	0.1691749	0.8308251	69,288.41	340,278.29	566,882.43	2,783,983.58
0201420	Van,138Kv	152,436.09	993,964.56	286,467.75	1,432,868.40	1,280,432.31	0.2237274	0.7762726	34,104.13	118,331.96	320,571.88	1,112,296.52
0201421	Huntington, 138Kv	307,731.15	3,146,014.00	323,619.87	3,777,365.02	3,469,633.87	0.0932721	0.9067279	28,702.72	279,028.43	352,322.59	3,425,042.43
0201423	Long Lake 138Kv	384,597.12	1,074,934.74	1,040,166.16	2,499,698.02	2,115,100.90	0.4917809	0.5082191	189,137.51	195,459.61	1,229,303.67	1,270,394.35
0201424	Berea Rea, 138Kv	4,016.16	7,631.65	0.00	11,647.81	7,631.65	0.0000000	1.0000000	0.00	4,016.16	0.00	11,647.81
0201425	Centerville, 138Kv	445,031.07	2,239,083.25	1,335,959.55	4,020,073.87	3,575,042.80	0.3736905	0.6263095	166,303.89	278,727.18	1,502,263.44	2,517,810.43
0201426	Tyler, Northeast 138Kv	236,740.33	1,511,398.03	168,128.76	1,916,267.12	1,679,526.79	0.1001048	0.898952	23,698.85	213,041.48	191,827.61	1,724,439.51
0201427	Athens, Northwest 138Kv	143,524.30	1,039,316.02	185,163.16	1,368,003.48	1,224,479.18	0.1512179	0.8487821	21,703.44	121,820.86	206,866.60	1,161,136.88
0201428	Central (Angelina Co)	120,726.23	1,277,410.23	142,633.50	1,540,769.96	1,420,043.73	0.1004430	0.8995570	12,126.11	108,600.12	154,759.61	1,386,010.35

2022 RATE CASE  
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FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: W. A. LEDBETTER

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit	(F) DIST % Based on Property Unit	(G) TCOS % of Common Investment	(H) % of Common Investment	DIST	Total TCOS of 362	Total DIST of 362
		(T + D)	(1 - E)	(C * E)	(C - G)	(T + G)	(D + H)						
0201429	Pauline Substation	529,581.68	3,143,954.60	1,424,138.26	5,097,574.54	4,568,092.86	0.3117577	0.6882423	165,101.18	364,480.50	1,589,239.44	3,508,435.10	
0201430	Camino Sub	477,696.97	3,643,420.67	1,872,758.46	5,993,876.10	5,516,179.13	0.3395028	0.6604972	162,179.48	315,517.49	2,034,937.94	3,958,938.16	
0201431	Canton, 138Kv	169,543.72	729,521.66	330,023.80	1,229,089.18	1,059,545.46	0.3114768	0.6885232	52,808.93	116,734.79	382,832.73	846,256.45	
0201432	Neches Pump 138Kv	146,277.79	237,694.89	119,581.57	503,554.25	357,276.46	0.3347032	0.6652968	48,959.64	97,318.15	168,541.21	335,013.04	
0201433	Lufkin, South 138Kv	465,704.69	2,209,884.87	970,579.44	3,646,169.00	3,180,464.31	0.3051691	0.6948309	142,118.68	323,586.01	1,112,698.12	2,533,470.88	
0201440	Beto, POD 138-25V	15,262.32	64,475.96	58,501.03	138,293.31	122,976.99	0.4757071	0.5242929	7,260.39	8,001.93	65,761.42	72,477.89	
0201442	Nacogdoches, South 138KV	253,073.42	954,196.28	1,087,891.80	2,295,161.50	2,042,088.08	0.5327350	0.4672650	134,821.07	118,252.35	1,222,712.87	1,072,448.63	
0201444	Tennessee Colony 138Kv	112,932.86	800,951.79	934,559.14	1,848,443.79	1,735,510.93	0.5384922	0.4615078	60,813.47	52,119.39	995,372.61	853,071.18	
0201445	Chilreno, 138Kv	79,852.99	486,722.10	119,878.28	686,453.37	606,600.38	0.1976232	0.8023768	15,780.80	64,072.19	135,659.08	550,794.29	
0201446	Hudson 138Kv	147,247.06	1,153,428.07	312,779.28	1,613,454.41	1,466,207.35	0.2133254	0.7866746	31,411.54	115,835.52	344,190.82	1,269,263.59	
0201448	Blackfoot 138Kv	143,678.54	223,918.31	230,829.79	598,426.64	454,748.10	0.5075992	0.4924008	72,931.12	70,747.42	303,760.91	294,665.73	
0201449	Douglas 138Kv	160,931.60	414,974.63	272,301.96	848,208.19	687,276.59	0.3962043	0.6037957	63,761.80	97,169.80	336,063.76	512,144.43	
0201450	Flint 138-25KV	272,549.33	1,377,622.21	137,402.52	1,787,574.06	1,515,024.73	0.0906933	0.9093067	24,718.39	247,830.94	162,120.91	1,625,453.15	
0201451	Tyler-Bullard Rd 138Kv	346,616.05	1,435,637.53	268,703.51	2,050,957.09	1,704,341.04	0.1576583	0.8423417	54,646.90	291,969.15	323,350.41	1,727,606.68	
0201452	Nacogdoches-Sfa,138Kv	229,952.95	863,302.45	860,384.70	1,953,640.10	1,723,687.15	0.4991536	0.5008464	114,781.85	115,171.10	975,166.55	978,473.55	
0201453	Lufkin, East 138Kv	206,844.76	987,396.44	345,824.35	1,540,065.55	1,333,220.79	0.2593902	0.7406098	53,653.49	153,191.27	399,477.84	1,140,587.71	
0201455	Brownsvrre Rea 138Kv	4,052.02	113,712.65	0.00	117,764.67	113,712.65	0.0000000	1.0000000	0.00	4,052.02	0.00	117,764.67	
0201456	Teasleville, 138Kv	127,388.94	834,347.63	55,276.69	1,017,013.26	889,624.32	0.0621349	0.9378651	7,915.30	119,473.64	63,191.99	953,821.27	
0201457	Grey's Lake Sub	467,074.17	2,054,227.78	603,400.06	3,124,702.01	2,657,627.84	0.2270446	0.7729554	106,046.67	361,027.50	709,446.73	2,415,255.28	
0201462	Swan #2 138Kv	90,360.75	842,413.32	241,862.83	1,174,636.90	1,084,276.15	0.2230639	0.7769361	20,156.22	70,204.53	262,019.05	912,617.85	
0201464	Nacogdoches, North 138Kv	323,033.29	1,123,205.18	786,386.75	2,232,625.22	1,909,591.93	0.4118088	0.5881912	133,027.95	190,005.34	919,414.70	1,313,210.52	
0201465	Nacogdoches, Southwest 138KV	296,047.50	748,978.03	295,754.04	1,340,779.57	1,044,732.07	0.2830908	0.7169092	83,808.32	212,239.18	379,562.36	961,217.21	
0201466	Tyler-Omen Rd. 138Kv	372,928.71	1,578,549.61	303,038.78	2,254,517.10	1,881,588.39	0.1610548	0.8389452	60,061.95	312,866.76	363,100.73	1,891,416.37	
0201469	Hide-A-Way Lake	76,296.75	366,632.13	110,141.97	553,070.85	476,774.10	0.2310150	0.7689850	17,625.69	58,671.06	127,767.66	425,303.19	
0201471	Fairfield West 138 KV	267,744.71	951,201.63	378,059.68	1,597,005.02	1,329,261.31	0.2844134	0.7155566	76,150.17	191,594.54	454,209.85	1,142,796.17	
0201472	Seaway Teague 138Kv	(53,411.86)	45,507.96	9,103.09	1,199.19	54,611.05	0.1666895	0.8333105	(8,903.20)	(44,508.66)	199.89	999.30	
0201473	Lindale, 138Kv	319,084.53	1,518,265.80	556,076.20	2,393,426.53	2,074,342.00	0.2680735	0.7319265	85,538.12	233,546.41	641,614.32	1,751,812.21	
0201478	Americas 138Kv Disds	15,843.05	55,292.91	15,059.49	86,195.45	70,352.40	0.2140579	0.7859421	3,391.33	12,451.72	18,450.82	67,744.63	
0201905	Nucor Steel, 138KV	2,744.89	36,001.23	0.00	38,746.12	36,001.23	0.0000000	1.0000000	0.00	2,744.89	0.00	38,746.12	
0201911	Cedar Crk Pump Tcwcid 69Kv	0.00	79,018.42	3,250.03	82,268.45	82,268.45	0.0395052	0.9604948	0.00	0.00	3,250.03	79,018.42	
0201913	Troup Main 69 KV	221,397.52	970,835.75	103,578.96	1,295,812.23	1,074,414.71	0.0964050	0.9035950	21,343.83	200,053.69	124,922.79	1,170,889.44	
0201923	Mount Selman 69 KV	75,542.16	393,829.97	65,240.95	534,613.08	459,070.92	0.1421152	0.8578848	10,735.69	64,806.47	75,976.64	458,636.44	
0201932	Beaumont Street 69 KV	201,389.94	659,759.48	369,787.67	1,230,937.09	1,029,547.15	0.3591751	0.6408249	72,334.25	129,055.69	442,121.92	788,815.17	
0201934	Whitehouse 138 KV	1,147,278.44	846,055.28	853,994.30	2,847,328.02	1,700,049.58	0.5023349	0.4976651	576,318.04	570,960.40	1,430,312.34	1,417,015.68	
0201940	JACKSON (KCEC) POD	0.00	0.00	1.00	1.00	1.00	1.0000000	0.0000000	0.00	0.00	1.00	0.00	
0201941	Jacksonville, N (Sesco)	256,574.35	606,931.96	100,248.90	963,755.21	707,180.86	0.1417585	0.8582415	36,371.60	220,202.75	136,620.50	827,134.71	
0201942	Reynolds Street 69 KV	156,220.15	440,759.05	373,411.52	970,390.72	814,170.57	0.4586404	0.5413596	71,648.87	84,571.28	445,060.39	525,330.33	
0201944	Gulf Interstate-Teague, Pod	0.00	16,631.60	0.00	16,631.60	16,631.60	0.0000000	1.0000000	0.00	0.00	0.00	16,631.60	
0201945	Palestine (Rceec) Pod 138Kv	1.55	28,424.24	57,810.58	86,236.37	86,234.82	0.6703856	0.3296144	1.04	0.51	57,811.62	28,424.75	
0201946	Jacksonville West 69 KV	96,557.62	279,815.80	304,637.64	681,011.06	584,453.44	0.5122351	0.4787649	50,329.22	46,228.40	354,966.86	326,044.20	
0201947	Arp 69 KV	165,115.66	411,026.96	49,767.12	625,909.74	460,794.08	0.1080030	0.8919970	17,832.98	147,282.68	67,600.10	558,309.64	
0201948	Rusk Main 69 KV	118,365.69	1,929,901.14	566,608.06	2,614,874.89	2,496,509.20	0.2269601	0.7730399	26,864.29	91,501.40	593,472.35	2,021,402.54	

**2022 RATE CASE**  
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**TCOS ALLOCATION OF FERC ACCOUNT 362 WITHOUT NTUSU**  
**FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

**SPONSOR: W. A. LEDBETTER**

Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total	(E) TCOS % Based on Property Unit	(F) DIST % Based on Property Unit	(G) TCOS % of Common Investment	(H) DIST % of Common Investment	Total TCOS of 362	Total DIST of 362
		(1 - E)	(1 - E)	(C * E)	(C - G)	(T + G)	(D + H)					
0201949	Jacksonville Plant 69 KV	85,438.32	364,839.06	263,651.19	713,928.57	628,490.25	0.4194993	0.5805007	35,841.31	49,597.01	299,492.50	414,436.07
0201952	Arp Chipper Mill 69 KV	42,826.69	60,473.66	51,445.40	154,745.75	111,919.06	0.4596661	0.5403339	19,685.98	23,140.71	71,131.38	83,614.37
0301100	Swindell Sub	410,600.51	3,690,476.56	0.00	4,101,077.07	3,690,476.56	0.0000000	1.0000000	0.00	410,600.51	0.00	4,101,077.07
0301105	Celeste Sub	898,939.03	1,590,709.14	293,396.63	2,783,044.80	1,884,105.77	0.1557220	0.8442780	139,984.54	758,954.49	433,381.17	2,349,663.63
0301221	Wolfe City 24Kv Sub Site	583.73	18,174.94	0.00	18,758.67	18,174.94	0.0000000	1.0000000	0.00	583.73	0.00	18,758.67
0301302	Bonham, 69Kv	190,516.77	1,327,168.71	249,647.17	1,767,332.65	1,576,815.88	0.1583236	0.8416764	30,163.30	160,353.47	279,810.47	1,487,522.18
0301303	Brookston 69Kv	170,804.15	969,776.32	38,913.32	1,179,493.79	1,008,689.64	0.0385781	0.9614219	6,589.30	164,214.85	45,502.62	1,133,991.17
0301306	Clarksville, 69Kv	193,219.15	1,067,301.77	585,399.11	1,845,920.03	1,652,700.88	0.3542075	0.6457925	68,439.68	124,779.47	653,838.79	1,192,081.24
0301308	Cooper 69Kv	78.97	30,944.16	0.90	31,024.03	30,945.06	0.0000291	0.9999709	0.00	78.97	0.90	31,023.13
0301312	Ector 69Kv	83,362.06	600,630.15	37,191.20	721,183.41	637,821.35	0.0583097	0.9416903	4,860.82	78,501.24	42,052.02	679,131.39
0301314	Gainesville Army Camp 69Kv	1,191.40	26,752.79	0.00	27,944.19	26,752.79	0.0000000	1.0000000	0.00	1,191.40	0.00	27,944.19
0301315	Gainesville National Supply	793.55	0.00	0.00	793.55	0.00	0.2418612	0.7581388	191.93	601.62	191.93	601.62
0301317	Greenville Rea 69Kv	0.00	554.88	0.00	554.88	554.88	0.0000000	1.0000000	0.00	0.00	0.00	554.88
0301318	Honey Grove, 69Kv	495,369.96	1,680,461.04	904,708.63	3,080,539.63	2,585,169.67	0.3499610	0.6500390	173,360.18	322,009.78	1,078,068.81	2,002,470.82
0301319	Krum, 69Kv	429,395.27	2,719,205.15	376,170.66	3,524,771.08	3,095,375.81	0.1215267	0.8784733	52,182.97	377,212.30	428,353.63	3,096,417.45
0301320	John Day Sub	534,136.86	3,668,682.41	1,051,006.55	5,253,825.82	4,719,688.96	0.2226856	0.7773144	118,944.56	415,192.30	1,169,951.11	4,083,874.71
0301323	Muenster 69Kv	230,906.32	280,184.69	906,928.18	1,418,019.19	1,187,112.87	0.7639781	0.2360219	176,407.36	54,498.96	1,083,335.54	334,683.65
0301332	Whitesboro, 69Kv	1,689.16	19,476.17	0.00	21,165.33	19,476.17	0.0000000	1.0000000	0.00	1,689.16	0.00	21,165.33
0301333	Cumby, 69Kv	14,174.32	360,701.47	38,802.68	413,678.47	399,504.15	0.0971271	0.9028729	1,376.71	12,797.61	40,179.39	373,499.08
0301336	Chico-Cities Service	1,201.84	66,429.20	49,045.85	116,676.89	115,475.05	0.4247311	0.5752689	510.46	691.38	49,556.31	67,120.58
0301337	Gordonville, 69Kv	298,508.78	381,149.58	436,069.67	1,115,728.03	817,219.25	0.5336018	0.4663982	159,284.82	139,223.96	595,354.49	520,373.54
0301338	Windom Rea 69Kv	107.80	1,126.97	1,886.32	3,121.09	3,013.29	0.6260002	0.3739998	67.48	40.32	1,953.80	1,167.29
0301342	Balsora 69Kv	199,027.41	520,402.71	68,437.53	787,867.65	588,864.24	0.1162243	0.8837757	23,131.82	175,895.59	91,569.35	696,298.30
0301345	Bagwell Rea, 69Kv	9,200.14	92,469.95	39,503.14	141,173.23	131,973.09	0.2993272	0.7006728	2,753.85	6,446.29	42,256.99	98,916.24
0301346	Neylandville, 69Kv	105,252.44	377,772.51	76,116.65	559,141.60	453,889.16	0.1676988	0.8323012	17,650.70	87,601.74	93,767.35	465,374.25
0301348	Lamar Co. Rea, 69Kv	1,738.75	0.00	0.00	1,738.75	0.00	0.2418612	0.7581388	420.54	1,318.21	420.54	1,318.21
0301349	Lamar-Blossom Rea,69Kv	284,843.13	461,354.01	3,125,979.83	3,872,176.97	3,587,333.84	0.8713936	0.1286064	248,210.49	36,632.64	3,374,190.32	497,986.65
0301351	Sadler 69Kv	2,257.03	39,886.78	0.00	42,143.81	39,886.78	0.0000000	1.0000000	0.00	2,257.03	0.00	42,143.81
0301352	Paris Pump 69Kv	(2,807.01)	26,662.69	0.00	23,855.68	26,662.69	0.0000000	1.0000000	0.00	(2,807.01)	0.00	23,855.68
0301353	Wills Point, 69Kv	254,975.98	2,707,312.02	1,046,991.72	4,009,279.72	3,754,303.74	0.2788777	0.7211223	71,107.12	183,868.86	1,118,098.84	2,891,180.88
0301354	Duck Cove, 69Kv	100,056.37	541,623.35	284,601.98	926,281.70	826,225.33	0.3444605	0.6555395	34,465.47	65,590.90	319,067.45	607,214.25
0301355	Bright Star, 69Kv	3,049.50	0.00	0.00	3,049.50	0.00	0.2418612	0.7581388	737.56	2,311.94	737.56	2,311.94
0301402	Delta Sub	683,925.23	3,014,519.36	775,115.24	4,473,559.83	3,789,634.60	0.2045356	0.7954644	139,887.07	544,038.16	915,002.31	3,558,557.52
0301403	Denison, North 138Kv	233,098.57	977,270.71	76,262.14	1,286,631.42	1,053,532.85	0.0723871	0.9276129	16,873.32	216,225.25	93,135.46	1,193,495.96
0301407	McKinney-White Street 138KV	261,138.00	2,093,225.13	451,963.18	2,806,326.31	2,545,188.31	0.1775755	0.8224245	46,371.72	214,766.28	498,334.90	2,307,991.41
0301411	Sulphur Bluff,138Kv	267,696.73	599,893.57	342,717.04	1,210,307.34	942,610.61	0.3635828	0.6364172	97,329.94	170,366.79	440,046.98	770,260.36
0301413	Deport, 138Kv	145,992.79	234,527.23	163,230.55	543,750.57	397,757.78	0.4103768	0.5896232	59,912.05	86,080.74	223,142.60	320,607.97
0301414	Perrin, 138Kv	130,287.05	296,718.85	365,980.85	792,986.75	662,699.70	0.5522575	0.4477425	71,951.99	58,335.06	437,932.84	355,053.91
0301415	Sherman, South 138Kv	321,191.18	1,623,424.34	823,253.75	2,777,869.27	2,456,678.09	0.3391791	0.6608209	108,941.32	212,249.86	942,195.07	1,835,674.20
0301416	Fink, 138Kv	244,730.02	1,454,390.87	344,579.08	2,043,699.97	1,798,969.95	0.1915424	0.8084576	46,876.18	197,853.84	391,455.26	1,652,244.71
0301417	Paris, North 138Kv	443,695.54	2,420,650.09	473,335.46	3,337,681.09	2,893,985.55	0.1635583	0.8364417	72,570.10	371,125.44	545,805.56	2,791,775.53
0301418	Springtown 138Kv	101,497.79	1,913,436.29	356,196.59	2,371,130.67	2,269,632.88	0.1569402	0.8430598	15,929.08	85,568.71	372,125.67	1,999,005.00

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Location	Location Name	(C) Common Investment Based on Property Unit	(D) DIST Investment Based on Property Unit	(T) TCOS Investment Based on Property Unit	Investment to Allocate to TCOS or DIST	(D + T) DIST & TCOS Investment Total Only	(E) TCOS % Based on Property Unit	(F) DIST % Based on Property Unit	(G) TCOS % of Common Investment	(H) DIST % of Common Investment	Total TCOS of 362 (T+G)	Total DIST of 362 (D+H)
0301419	Martin Springs,138Kv	162,923.55	698,068.44	108,901.51	969,893.50	806,969.95	0.1349511	0.8650489	21,986.72	140,936.83	130,888.23	839,005.27
0301421	Wolfe City No.2 138Kv	86,368.43	648,549.15	37,911.85	772,829.43	686,461.00	0.0552280	0.9447720	4,769.95	81,598.48	42,681.80	730,147.63
0301422	Sherman-Line Material Co 1	217,174.81	2,208,262.99	204,357.16	2,629,794.96	2,412,620.15	0.0847034	0.9152966	18,395.45	198,779.36	222,752.61	2,407,042.35
0301425	McKinney, 138Kv	400,986.61	3,377,096.41	1,230,104.01	5,008,187.03	4,607,200.42	0.2669690	0.7330040	107,061.81	293,924.80	1,337,165.82	3,671,021.21
0301426	Sherman, Northwest 138Kv	193,646.63	3,000,547.84	733,167.57	3,927,362.04	3,733,715.41	0.1963641	0.8036359	38,025.24	155,621.39	771,192.81	3,156,169.23
0301427	Maxwell Creek 138Kv	779,901.32	1,340,534.53	1,631,165.34	3,751,601.19	2,971,699.87	0.5488998	0.4511002	428,087.65	351,813.67	2,059,252.99	1,692,348.20
0301428	Van Alstyne 138Kv	330,408.82	917,835.13	557,172.06	1,805,416.01	1,475,007.19	0.3777419	0.6222581	124,809.26	205,599.56	681,981.32	1,123,434.69
0301429	Sherman, East 138Kv	119,185.73	816,463.21	299,986.14	1,235,635.08	1,116,449.35	0.2686966	0.7313034	32,024.80	87,160.93	332,010.94	903,624.14
0301431	Denison, 138Kv	147,149.33	1,659,794.65	275,946.59	2,082,890.57	1,935,741.24	0.1425534	0.8574466	20,976.64	126,172.69	296,923.23	1,785,967.34
0301432	Allen 138Kv	643,929.45	5,335,202.01	2,481,895.44	8,461,026.90	7,817,097.45	0.3174958	0.6825042	204,444.88	439,484.57	2,686,340.32	5,774,686.58
0301433	Paris, East 138Kv	151,569.60	994,232.47	171,095.90	1,316,897.97	1,165,328.37	0.1468220	0.8531780	22,253.76	129,315.84	193,349.66	1,123,548.31
0301435	Sulphur Springs East 138Kv	842,515.60	2,187,018.18	787,156.50	3,816,690.28	2,974,174.68	0.2646638	0.7353362	222,983.42	619,532.18	1,010,139.92	2,806,550.36
0301436	Gainesville, East 138Kv	125,841.85	333,653.05	61,499.21	520,994.11	395,152.26	0.1556342	0.8443658	19,585.30	106,256.55	81,084.51	439,909.60
0301437	Denison, West 138Kv	201,462.45	886,590.00	99,675.69	1,187,728.14	986,265.69	0.1010637	0.8989363	20,360.55	181,101.90	120,036.24	1,067,691.90
0301439	McKinney, Southwest 138Kv	382,708.44	3,754,275.90	1,383,336.75	5,520,321.09	5,137,612.65	0.2692567	0.7307433	103,046.82	279,661.62	1,486,383.57	4,033,937.52
0301440	Alvord, 138Kv	123,018.79	1,139,758.80	552,054.63	1,814,832.22	1,691,813.43	0.3263094	0.6736906	40,142.19	82,876.60	592,196.82	1,222,635.40
0301442	Commerce, South 138Kv	291,263.27	1,298,529.49	526,808.79	2,116,601.55	1,825,338.28	0.2886089	0.7113911	84,061.16	207,202.11	610,869.95	1,505,731.60
0301443	Sherman-T.I.	133,728.81	230,482.50	71,308.08	435,519.39	301,790.58	0.2362833	0.7637167	31,597.89	102,130.92	102,905.97	332,613.42
0301444	Rhome, 138Kv	130,343.21	1,316,864.75	816,005.84	2,263,213.80	2,132,870.59	0.3825857	0.6174143	49,867.45	80,475.76	865,873.29	1,397,340.51
0301445	Colony, 138Kv	285,311.51	1,705,750.81	1,078,826.56	3,069,888.88	2,784,577.37	0.3874292	0.6125708	110,538.01	174,773.50	1,189,364.57	1,880,524.31
0301449	Sulphur Springs 138Kv	279,857.63	1,597,497.50	2,075,683.19	3,953,038.32	3,673,180.69	0.5650915	0.4349085	158,145.17	121,712.46	2,233,828.36	1,719,209.96
0301450	Bridgeport 138Kv	164,472.62	963,489.89	676,674.99	1,804,637.50	1,640,164.88	0.4125652	0.5874348	67,855.68	96,616.94	744,530.67	1,060,106.83
0301451	Chico Tap, West 138Kv	176,853.35	496,112.86	418,942.24	1,091,904.85	915,055.10	0.4758328	0.5421672	80,969.26	95,884.09	499,911.50	591,996.95
0301452	Chico-Gifford Hill 138Kv	156,714.92	349,199.71	131,263.54	637,178.17	480,463.25	0.2732020	0.7267980	42,814.84	113,900.08	174,078.38	463,099.79
0301453	Krugererville 138Kv	182,464.71	859,218.50	409,283.02	1,450,966.23	1,268,501.52	0.3226508	0.6773492	58,872.38	123,592.33	468,155.40	982,810.83
0301454	Rotler Road, 138-25 KV Sub.	274,032.90	2,789,491.84	437,957.71	3,501,482.45	3,227,449.55	0.1356978	0.8643022	37,185.65	236,847.25	475,143.36	3,026,339.09
0301455	Iron Bridge 138Kv	217,943.12	772,449.03	436,299.34	1,426,691.49	1,208,748.37	0.3609513	0.6390487	78,666.86	139,276.26	514,966.20	911,725.29
0301457	Emory,138Kva	100,726.30	594,346.94	105,777.59	800,850.83	700,124.53	0.1510840	0.8489160	15,218.13	85,508.17	120,995.72	679,855.11
0301459	Corinth 138Kv	539,356.45	4,136,336.37	1,090,453.53	5,766,146.35	5,226,789.90	0.2086278	0.7913722	112,524.73	426,831.72	1,202,978.26	4,563,168.09
0301460	Lake Texoma Pump 138Kv	98,182.48	470,090.49	72,648.39	640,921.36	542,738.88	0.1338551	0.8661449	13,142.23	85,040.25	85,790.62	555,130.74
0301461	Valley View 138Kv	134,682.87	339,781.75	673,150.18	1,147,614.80	1,012,931.93	0.6645562	0.3354438	89,504.33	45,178.54	762,654.51	384,960.29
0301463	Cooper Lake	365,276.71	865,502.88	241,770.65	1,472,550.24	1,107,273.53	0.2183477	0.7816523	79,757.34	285,519.37	321,527.99	1,151,022.25
0301464	Whitesboro S.E. 138 Kv	235,346.66	1,640,860.70	308,150.23	2,184,357.59	1,949,010.93	0.1581060	0.8418940	37,209.71	198,136.95	345,359.94	1,838,997.65
0301467	Bonham, Northwest 138-12.5KV	327,797.38	826,690.03	326,282.67	1,480,770.08	1,152,972.70	0.2829925	0.7170075	92,764.21	235,033.17	419,046.88	1,061,723.20
0301468	Gainesville, North 138Kv	169,372.56	894,963.00	434,597.83	1,498,933.39	1,329,560.83	0.3268732	0.6731268	55,363.35	114,009.21	489,961.18	1,008,972.21
0301469	Corinth, South 138 KV	407,024.61	1,951,284.64	2,611,098.37	4,969,407.62	4,562,383.01	0.5723102	0.4276898	232,944.34	174,080.27	2,844,042.71	2,125,364.91
0301470	McKinney South	521,968.96	3,904,977.66	1,248,319.77	5,675,266.39	5,153,297.43	0.2422371	0.7577629	126,440.24	395,528.72	1,374,760.01	4,300,506.38
0301474	Anna Southeast Substation	743,621.49	2,507,698.23	1,389,914.66	4,641,234.38	3,897,612.89	0.3566066	0.6433934	265,180.37	478,441.12	1,655,095.03	2,986,139.35
0301475	Frisco West Substation	592,467.79	4,095,867.27	1,152,166.74	5,840,501.80	5,248,034.01	0.2195425	0.7804575	130,071.89	462,395.90	1,282,238.63	4,558,263.17
0301476	Westridge Sub	571,278.94	3,118,947.97	1,090,623.34	4,780,850.25	4,209,571.31	0.2590818	0.7409182	148,007.98	423,270.96	1,238,631.32	3,542,218.93
0301922	Flower Mound (TNP)	0.00	1,233.03	0.00	1,233.03	1,233.03	0.0000000	1.0000000	0.00	0.00	0.00	1,233.03
0301923	Sherwood Shores, Pod, 69Kv	0.56	7,153.90	0.00	7,154.46	7,153.90	0.0000000	1.0000000	0.00	0.56	0.00	7,154.46

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0301924	Memc Southwest Substa. 138Kv	55,546.26	12,704.79	8,278.86	76,529.91	20,983.65	0.3945386	0.6054614	21,915.14	33,631.12	30,194.00	46,335.91
0301925	Brookston - LCEC - Cust. Owned	0.00	2.00	0.00	2.00	2.00	0.0000000	1.0000000	0.00	0.00	0.00	2.00
0301926	Reno - LCEC - Cust. Owned	0.00	4.77	0.00	4.77	4.77	0.0000000	1.0000000	0.00	0.00	0.00	4.77
0301950	Gifford Hill-Decatur (Non-Tue)	0.00	3,848.63	0.00	3,848.63	3,848.63	0.0000000	1.0000000	0.00	0.00	0.00	3,848.63
0401103	Eden Sub	1,431.82	54,476.45	27,952.02	83,860.29	82,428.47	0.3391064	0.6608936	485.54	946.28	28,437.56	55,422.73
0401104	Camp Bowie Sub	1,127,603.33	4,461.32	9,493.14	1,141,557.79	13,954.46	0.6802943	0.3197057	767,102.15	360,501.18	776,595.29	364,862.50
0401105	Camp San Saba Sub	241,026.46	399,766.50	330,328.44	971,121.40	730,094.94	0.4524459	0.5475541	109,051.43	131,975.03	439,379.87	531,741.53
0401106	Dutton Sub	109,150.49	491,386.75	111,015.99	711,553.23	602,402.74	0.1842887	0.8157113	20,115.20	89,035.29	131,131.19	580,422.04
0401107	Hext Sub	534,543.52	1,276,825.41	33,526.87	1,844,895.80	1,310,352.28	0.2055862	0.9744138	13,676.91	520,866.61	47,203.78	1,797,692.02
0401108	Richland Springs Sub	161,941.55	2,476,169.60	135,942.31	2,774,053.46	2,612,111.91	0.0520431	0.9479569	8,427.93	153,513.62	144,370.24	2,629,683.22
0401109	Terry Sub	7,452.16	113,549.97	89,450.66	210,452.79	203,000.63	0.4406423	0.5593577	3,283.74	4,168.42	92,734.40	117,718.39
0401301	Abbott 69KV	85,466.05	604,512.77	303,297.55	993,276.37	907,810.32	0.3340979	0.6659021	28,554.03	56,912.02	331,851.58	661,424.79
0401302	Bartlett 69KV	69,795.42	237,267.00	49,992.66	357,055.08	287,259.66	0.1740330	0.8259670	12,146.71	57,648.71	62,139.37	294,915.71
0401306	Cameron 69KV	201,034.53	1,424,517.19	334,778.58	1,960,330.30	1,759,295.77	0.1902912	0.8097088	38,255.11	162,779.42	373,033.69	1,587,296.61
0401310	Coupland Sub	57,448.14	426,854.48	130,418.43	614,721.05	557,272.91	0.2340297	0.7659703	13,444.57	44,003.57	143,863.00	470,858.05
0401311	Eddy Substation	289,717.71	951,563.76	1,361,429.44	2,602,710.91	2,312,993.20	0.5886007	0.4113993	170,528.05	119,189.66	1,531,957.49	1,070,753.42
0401312	Elgin, 69KV	403,882.46	1,825,955.18	1,028,651.20	3,258,488.84	2,854,606.38	0.3603478	0.6396522	145,538.17	258,344.29	1,174,189.37	2,084,299.47
0401313	Eureka 69KV	52,205.73	85,676.42	0.00	137,882.15	85,676.42	0.0000000	1.0000000	0.00	52,205.73	0.00	137,882.15
0401316	Gatesville Tank Destroyer	113,959.46	362,549.79	110,391.35	586,900.60	472,941.14	0.2334146	0.7665854	26,599.80	87,359.66	136,991.15	449,909.45
0401318	Itasca 69KV	356,241.08	309,326.95	379,585.65	1,045,153.68	688,912.60	0.5509925	0.4490075	196,286.15	159,954.93	575,871.80	469,281.88
0401319	Kerens 69KV	354,511.51	680,429.85	1,012,997.24	2,047,938.60	1,693,427.09	0.5981936	0.4018064	212,066.51	142,445.00	1,225,063.75	822,874.85
0401320	Little River 69KV	286,760.46	1,537,465.69	341,488.66	2,165,714.81	1,878,954.35	0.1817440	0.8182560	52,116.99	234,643.47	393,605.65	1,772,109.16
0401321	McGregor 69KV	119,488.80	838,610.23	205,963.94	1,164,062.97	1,044,574.17	0.1971750	0.8028250	23,560.21	95,928.59	229,524.15	934,538.82
0401322	McGregor Hercules 69 KV Sub.	146,498.55	660,057.07	198,499.82	1,005,055.44	858,556.89	0.2321207	0.7687983	33,870.72	112,627.83	232,370.54	772,684.90
0401324	Mertens 69KV	169,579.45	993,923.73	76,006.68	1,239,509.86	1,069,930.41	0.0710389	0.9289611	12,046.74	157,532.71	88,053.42	1,151,456.44
0401325	Mildred #2, 69KV	609,332.90	937,878.38	711,653.35	2,258,864.63	1,649,531.73	0.4314275	0.5685725	262,882.97	346,449.93	974,536.32	1,284,328.31
0401327	Rockdale, North 69KV	181,984.97	470,616.78	38,843.01	691,444.76	509,459.79	0.0762435	0.9237565	13,875.18	168,109.79	52,718.19	638,726.57
0401330	Marak 69-12.5KV	177,499.95	653,022.11	128,495.53	959,017.59	781,517.64	0.1644180	0.8355820	29,184.18	148,315.77	157,679.71	801,337.88
0401331	Ross-Sinclair 69KV	1,122.19	55,055.78	3,485.75	59,663.72	58,541.53	0.0598432	0.9404568	66.82	1,055.37	3,552.57	56,111.15
0401333	Simsboro-Magnolia 69KV	25,044.02	107,260.64	0.00	132,304.66	107,260.64	0.0000000	1.0000000	0.00	25,044.02	0.00	132,304.66
0401337	Tours-Texas 69KV	1,440.72	46,972.70	14,619.83	63,033.25	61,592.53	0.2373637	0.7626363	341.97	1,098.75	14,961.80	48,071.45
0401338	Troy 69KV	127,519.39	758,996.00	460,108.54	1,346,623.93	1,219,104.54	0.3774152	0.6225848	48,127.75	79,391.64	508,236.29	838,387.64
0401343	West 69KV	140,393.24	513,752.85	225,940.57	880,086.66	739,693.42	0.3054616	0.6945484	42,883.35	97,509.89	268,823.92	611,262.74
0401346	Lorena 69KV	111,640.83	548,372.44	238,988.23	899,001.50	787,360.67	0.3035308	0.6964692	33,886.43	77,754.40	272,874.66	626,126.84
0401349	Waco-Katy 69KV	311,479.46	401,179.72	159,143.15	871,802.33	560,322.87	0.2840204	0.7159796	88,466.53	223,012.93	247,609.68	624,192.65
0401350	Powell 69kv	525,847.94	722,838.73	733,510.04	1,982,196.71	1,456,348.77	0.5036637	0.4963363	264,850.53	260,997.41	998,360.57	983,836.14
0401351	Navarro Mills 69KV	87,311.24	153,314.96	605,006.89	845,633.09	758,321.85	0.7978234	0.2021766	69,658.95	17,652.29	674,665.84	170,967.25
0401352	Richland 69KV	74,711.57	901,603.28	63,713.56	1,040,028.41	965,316.84	0.0660027	0.9339973	4,931.17	69,780.40	68,644.73	971,383.68
0401353	Milford-Humble 69KV	843.62	31,040.83	12,437.13	44,321.58	43,477.96	0.2860560	0.7139440	241.32	602.30	12,678.45	31,643.13
0401354	Corsicana-Coffield	1,613.65	18,440.14	2,842.43	22,896.22	21,282.57	0.1335567	0.8664433	215.51	1,398.14	3,057.94	19,838.28
0401359	Barry 69KV	82,123.91	343,501.56	26,232.71	451,858.18	369,734.27	0.0709502	0.9290498	5,826.71	76,297.20	32,059.42	419,798.76
0401360	Streetman/Superrock 69Kv	15,645.03	249,678.18	50,070.32	315,393.53	299,748.50	0.1670411	0.8329589	2,613.36	13,031.67	52,683.68	262,709.85