

2022 RATE CASE
ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF GENERAL PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
356	1924	97.5	89,776.03	50	0	-40.00%	89,776.03	125,686.44	1.121	125,686.44	0.00	
356	1922	99.5	7,735.66	50	0	-40.00%	7,735.66	10,829.92	1.121	10,829.92	0.00	
356	1921	100.5	45,919.48	50	0	-40.00%	45,919.48	64,287.27	1.121	64,287.27	0.00	
356	1920	101.5	48,314.30	50	0	-40.00%	48,314.30	67,640.02	1.121	67,640.02	0.00	
356 Total			3,044,581,319.57				626,873,417.99	877,622,785.18		978,999,051.41	120,885,395,079.12	39.71
357	2021	0.5	2,160,969.98	60	59.507709	-10.00%	17,730.43	19,503.48	1.121	21,862.03	128,594,372.73	
357	2020	1.5	4,407,340.79	60	58.524572	-10.00%	108,378.57	119,216.42	1.121	133,633.26	257,937,733.39	
357	2019	2.5	5,973,466.77	60	57.543491	-10.00%	244,564.58	269,021.04	1.121	301,553.75	343,734,131.32	
357	2018	3.5	61,161.90	60	56.564811	-10.00%	3,501.71	3,851.88	1.121	4,317.69	3,459,611.31	
357	2017	4.5	1,515,767.58	60	55.588745	-10.00%	111,440.62	122,584.68	1.121	137,408.85	84,259,617.48	
357	2016	5.5	22,240.76	60	54.615322	-10.00%	1,995.99	2,195.59	1.121	2,461.10	1,214,686.27	
357	2015	6.5	432.03	60	53.644945	-10.00%	45.76	50.34	1.121	56.42	23,176.23	
357	2012	9.5	244,504.88	60	50.754022	-10.00%	37,678.11	41,445.92	1.121	46,457.88	12,409,606.06	
357	2010	11.5	8,800,798.03	60	48.845957	-10.00%	1,636,074.66	1,799,682.13	1.121	2,017,317.63	429,883,402.14	
357	2008	13.5	11,871.06	60	46.955656	-10.00%	2,580.84	2,838.92	1.121	3,182.23	557,413.41	
357	2007	14.5	81,671.15	60	46.017559	-10.00%	19,032.70	20,935.97	1.121	23,467.76	3,758,306.96	
357	2006	15.5	6,107,492.37	60	45.08473	-10.00%	1,518,248.30	1,670,073.12	1.121	1,872,035.02	275,354,644.48	
357	2005	16.5	14,658,880.06	60	44.157442	-10.00%	3,870,569.29	4,257,626.22	1.121	4,772,500.83	647,298,646.03	
357	2004	17.5	396,961.98	60	43.235501	-10.00%	110,914.48	122,005.93	1.121	136,760.10	17,162,850.08	
357	2003	18.5	3,647,207.05	60	42.319561	-10.00%	1,074,737.03	1,182,210.73	1.121	1,325,175.44	154,348,201.23	
357	2002	19.5	3,839.09	60	41.409889	-10.00%	1,189.49	1,308.43	1.121	1,466.66	158,976.29	
357	2001	20.5	805.05	60	40.506209	-10.00%	281.56	287.71	1.121	322.51	32,609.52	
357	2000	21.5	905,447.14	60	39.609221	-10.00%	307,712.88	338,484.16	1.121	379,417.04	35,864,055.87	
357	1999	22.5	32,774.80	60	38.719163	-10.00%	11,624.59	12,787.04	1.121	14,333.38	1,269,012.82	
357	1998	23.5	30,972.47	60	37.835684	-10.00%	11,441.39	12,585.53	1.121	14,107.50	1,171,864.59	
357	1997	24.5	1,570,318.74	60	36.95951	-10.00%	603,015.22	663,316.74	1.121	743,531.62	58,038,211.17	
357	1996	25.5	234,650.79	60	36.090868	-10.00%	93,504.95	102,855.44	1.121	115,293.74	8,468,750.69	
357	1995	26.5	844,923.23	60	35.229312	-10.00%	348,822.16	383,704.38	1.121	430,105.74	29,766,084.09	
357	1991	30.5	3,118.26	60	31.862084	-10.00%	1,462.36	1,608.59	1.121	1,803.12	99,354.26	
357	1990	31.5	1,827.59	60	31.040854	-10.00%	882.09	970.30	1.121	1,087.64	56,729.95	
357	1989	32.5	550,582.58	60	30.227575	-10.00%	273,202.98	300,523.27	1.121	336,865.54	16,642,776.23	
357	1984	37.5	72,490.35	60	26.294854	-10.00%	40,721.63	44,793.79	1.121	50,210.71	1,906,123.17	
357	1983	38.5	2,114,404.65	60	25.535681	-10.00%	1,214,525.27	1,335,977.80	1.121	1,497,537.55	53,992,762.65	
357	1981	40.5	2,348.76	60	24.047625	-10.00%	1,407.39	1,548.13	1.121	1,735.35	56,482.10	
357	1979	42.5	2,114.83	60	22.599948	-10.00%	1,318.25	1,450.07	1.121	1,625.43	47,795.05	
357	1978	43.5	777,003.48	60	21.89272	-10.00%	493,491.49	542,840.63	1.121	608,486.34	17,010,719.63	
357	1977	44.5	644,100.78	60	21.196008	-10.00%	416,561.36	458,217.49	1.121	513,629.72	13,652,365.29	
357	1974	47.5	617,840.72	60	19.177617	-10.00%	420,362.18	462,398.39	1.121	518,316.22	11,848,712.70	
357	1973	48.5	637,834.56	60	18.529684	-10.00%	440,853.35	484,938.68	1.121	543,582.30	11,818,872.84	
357	1972	49.5	858,375.01	60	17.895242	-10.00%	602,361.20	662,597.32	1.121	742,725.19	15,360,828.53	
357	1971	50.5	391,474.77	60	17.273549	-10.00%	278,772.13	306,649.34	1.121	343,732.43	6,762,158.62	
357	1970	51.5	500,358.09	60	16.66611	-10.00%	361,374.37	397,511.81	1.121	445,582.90	8,339,022.97	
357	1968	53.5	716,648.39	60	15.494424	-10.00%	531,580.82	584,738.91	1.121	655,451.36	11,104,054.01	
357	1967	54.5	879.57	60	14.930831	-10.00%	660.69	726.76	1.121	814.65	13,132.71	
357	1963	58.5	286,636.52	60	12.831396	-10.00%	225,337.41	247,871.15	1.121	277,846.20	3,677,946.70	
357	1962	59.5	301,706.01	60	12.345638	-10.00%	239,626.79	263,589.47	1.121	295,465.34	3,724,753.18	
357	1941	80.5	32.80	60	5.204087	-10.00%	29.96	32.95	1.121	36.08	170.69	
357	1915	106.5	2,859.34	60	0	-10.00%	2,859.34	3,145.27	1.121	3,145.27	0.00	
357 Total			60,197,134.76				15,682,456.34	17,250,701.97		19,336,447.61	2,670,880,705.45	44.37
358	2021	0.5	5,357,721.81	50	49.5	-20.00%	53,577.22	64,292.66	1.121	72,067.57	265,207,229.60	
358	2020	1.5	7,310,004.85	50	48.5	-20.00%	219,300.15	263,160.17	1.121	294,984.13	354,535,235.23	
358	2019	2.5	5,337,759.29	50	47.5	-20.00%	268,887.96	320,265.56	1.121	358,995.26	253,543,566.28	
358	2018	3.5	2,471,665.99	50	46.5	-20.00%	173,016.62	207,619.94	1.121	232,727.42	114,932,468.54	
358	2017	4.5	1,714,572.80	50	45.500005	-20.00%	154,311.38	185,173.66	1.121	207,566.70	78,013,070.97	
358	2016	5.5	1,521,121.28	50	44.500018	-20.00%	167,322.79	200,787.35	1.121	225,068.56	67,689,924.34	
358	2015	6.5	40,993.99	50	43.500071	-20.00%	5,329.16	6,394.99	1.121	7,168.34	1,783,241.48	
358	2014	7.5	11,712.60	50	42.500196	-20.00%	1,756.84	2,108.21	1.121	2,363.16	497,787.80	

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358	2013	8.5	214,233.30	50	41.500485	-20.00%	36,417.58	43,701.10	1.121	48,985.87	8,890,785.85	
358	2012	9.5	764,770.80	50	40.501076	-20.00%	145,289.99	174,347.99	1.121	195,431.89	30,974,040.29	
358	2011	10.5	886,188.58	50	39.502172	-20.00%	186,061.11	223,273.33	1.121	250,273.76	35,006,373.71	
358	2010	11.5	9,806,346.30	50	38.504075	-20.00%	2,254,660.43	2,705,592.52	1.121	3,032,779.74	377,584,293.41	
358	2009	12.5	3,064.16	50	37.5072	-20.00%	765.60	918.72	1.121	1,029.82	114,928.06	
358	2007	14.5	142,885.06	50	35.519382	-20.00%	41,381.28	49,657.54	1.121	55,662.62	5,075,189.03	
358	2006	15.5	2,774,527.44	50	34.529825	-20.00%	858,442.95	1,030,131.54	1.121	1,154,705.32	95,804,224.41	
358	2005	16.5	18,568,308.20	50	33.544658	-20.00%	6,110,957.24	7,333,148.68	1.121	8,219,946.12	622,867,548.21	
358	2004	17.5	161,147.64	50	32.564674	-20.00%	56,193.23	67,431.88	1.121	75,586.41	5,247,720.36	
358	2003	18.5	4,527,165.59	50	31.591182	-20.00%	1,666,795.35	2,000,154.42	1.121	2,242,033.03	143,018,512.10	
358	2002	19.5	8,719,717.24	50	30.625506	-20.00%	3,378,802.19	4,054,562.62	1.121	4,544,880.76	267,045,752.65	
358	2001	20.5	10,291.84	50	29.669042	-20.00%	4,184.86	5,021.83	1.121	5,629.12	305,349.03	
358	2000	21.5	936,310.27	50	28.72325	-20.00%	398,432.79	478,119.35	1.121	535,938.31	26,893,873.96	
358	1999	22.5	22,301.76	50	27.789614	-20.00%	9,906.61	11,887.94	1.121	13,325.54	619,757.30	
358	1998	23.5	77,702.63	50	26.869603	-20.00%	35,945.85	43,135.02	1.121	48,351.34	2,087,839.82	
358	1997	24.5	2,580,568.33	50	25.984668	-20.00%	1,240,496.33	1,488,595.60	1.121	1,668,611.42	67,003,699.94	
358	1996	25.5	268,185.55	50	25.076181	-20.00%	133,684.16	160,420.99	1.121	179,820.70	6,725,069.39	
358	1995	26.5	1,166,798.80	50	24.205435	-20.00%	601,941.35	722,329.62	1.121	809,680.92	28,242,872.51	
358	1991	30.5	11,280.21	50	20.921416	-20.00%	6,560.25	7,872.30	1.121	8,824.30	235,997.97	
358	1984	37.5	299,304.05	50	16.03324	-20.00%	203,327.78	243,993.33	1.121	273,499.44	4,798,813.67	
358	1983	38.5	1,078,054.26	50	15.426313	-20.00%	745,446.21	894,535.45	1.121	1,002,711.60	16,630,402.45	
358	1982	39.5	10,384.24	50	14.841444	-20.00%	7,301.90	8,762.28	1.121	9,821.90	154,117.12	
358	1978	43.5	632,279.21	50	12.711925	-20.00%	471,529.49	565,835.39	1.121	634,261.85	8,037,485.90	
358	1977	44.5	843,149.79	50	12.228962	-20.00%	636,932.86	764,319.43	1.121	856,748.55	10,310,846.74	
358	1976	45.5	1,472,810.00	50	11.764427	-20.00%	1,126,274.69	1,351,529.62	1.121	1,514,970.06	17,326,765.73	
358	1974	47.5	509,452.21	50	10.887838	-20.00%	398,515.55	478,218.66	1.121	536,049.62	5,546,833.13	
358	1973	48.5	1,191,762.92	50	10.474378	-20.00%	942,103.41	1,130,524.10	1.121	1,267,238.34	12,482,975.31	
358	1972	49.5	500,341.06	50	10.076543	-20.00%	399,506.90	479,408.28	1.121	537,383.10	5,041,708.21	
358	1971	50.5	252,394.12	50	9.693646	-20.00%	203,461.73	244,154.08	1.121	273,679.63	2,446,619.25	
358	1970	51.5	175,351.96	50	9.325016	-20.00%	142,648.76	171,178.52	1.121	191,879.13	1,635,159.83	
358	1968	53.5	879,114.33	50	8.62795	-20.00%	727,415.24	872,898.29	1.121	978,457.85	7,584,954.48	
358	1967	54.5	5,741.68	50	8.298263	-20.00%	4,788.76	5,746.51	1.121	6,441.44	47,645.97	
358	1965	56.5	184.64	50	7.673616	-20.00%	156.30	187.56	1.121	210.25	1,416.86	
358	1963	58.5	405,357.04	50	7.091584	-20.00%	347,864.57	417,437.48	1.121	467,918.19	2,874,623.50	
358	1962	59.5	431,186.58	50	6.815252	-20.00%	372,413.68	446,896.41	1.121	500,939.58	2,938,645.20	
358	1956	65.5	3,128.18	50	5.334201	-20.00%	2,794.45	3,353.34	1.121	3,753.82	16,686.34	
358 Total			84,097,342.58				24,940,903.56	29,929,084.27		33,548,402.46	2,957,821,950.82	35.17
352 DC Tie	2019	2.5	4.05	55	52.50	-50.00%	0.18	0.28	1.121	0.31	212.64	
352 DC Tie	2018	3.5	18,982.60	55	51.50	-50.00%	1,206.50	1,809.75	1.121	2,028.60	977,685.47	
352 DC Tie	2017	4.5	349,719.90	55	50.51	-50.00%	28,573.23	42,859.85	1.121	48,042.89	17,663,066.58	
352 DC Tie	2015	6.5	5,929.18	55	48.51	-50.00%	699.43	1,049.14	1.121	1,176.01	287,636.52	
352 DC Tie	2014	7.5	21,986.91	55	47.52	-50.00%	2,991.84	4,487.77	1.121	5,030.47	1,044,728.65	
352 DC Tie	2005	16.5	3,447.49	55	38.62	-50.00%	1,026.98	1,540.47	1.121	1,726.76	133,127.93	
352 DC Tie	1997	24.5	1,286,498.81	55	30.93	-50.00%	562,910.38	844,365.58	1.121	946,474.68	39,797,363.40	
352 DC Tie Total			1,886,568.94				597,408.55	896,112.83		1,004,479.73	59,903,821.19	35.52
353 DC Tie	2019	2.5	1,845.20	30	27.76	-15.00%	137.80	158.47	1.121	177.63	51,222.04	
353 DC Tie	2018	3.5	615,490.11	30	26.88	-15.00%	64,030.83	73,635.46	1.121	82,540.19	16,543,778.36	
353 DC Tie	2017	4.5	11,307,530.45	30	26.01	-15.00%	1,504,717.58	1,730,425.21	1.121	1,939,685.48	294,084,386.20	
353 DC Tie	2016	5.5	49,508.36	30	25.15	-15.00%	8,009.07	9,210.43	1.121	10,324.24	1,244,978.81	
353 DC Tie	2015	6.5	273,693.02	30	24.30	-15.00%	52,037.87	59,843.56	1.121	67,080.43	6,649,654.37	
353 DC Tie	2014	7.5	1,947,237.41	30	23.46	-15.00%	424,771.80	488,487.57	1.121	547,560.35	45,673,968.40	
353 DC Tie	2011	10.5	74,354.94	30	21.00	-15.00%	22,297.39	25,642.00	1.121	28,742.89	1,561,726.47	
353 DC Tie	2010	11.5	786.35	30	20.21	-15.00%	256.80	295.09	1.121	330.77	15,892.55	
353 DC Tie	2009	12.5	183.95	30	19.43	-15.00%	64.81	74.53	1.121	83.55	3,574.13	
353 DC Tie	2008	13.5	10,995.89	30	18.66	-15.00%	4,155.65	4,778.99	1.121	5,356.92	205,207.30	
353 DC Tie	2005	16.5	90,650.44	30	16.44	-15.00%	40,966.18	47,111.11	1.121	52,808.26	1,490,527.66	

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353 DC Tie	2003	18.5	250,889.50		30	15.04	-15.00%	125,136.51	143,906.98	1.121	161,309.65	3,772,589.79
353 DC Tie	2002	19.5	76,293.31		30	14.36	-15.00%	39,781.30	45,748.50	1.121	51,280.86	1,095,360.29
353 DC Tie	1997	24.5	16,153,089.78		30	11.22	-50.00%	10,113,606.20	15,170,409.29	1.121	17,004,966.42	181,184,507.51
3 DC Tie Total			30,852,548.71					12,399,969.58	17,799,727.19		19,952,247.64	553,577,373.89
352 SVC	2021	0.5	77.40		55	54.50	-50.00%	0.70	1.05	1.121	1.18	4,218.33
352 SVC	2020	1.5	2,552.37		55	53.50	-50.00%	69.54	104.32	1.121	116.93	136,555.39
352 SVC	2019	2.5	407,103.62		55	52.50	-50.00%	18,484.85	27,727.28	1.121	31,080.33	21,374,032.31
352 SVC	2018	3.5	7,695,877.20		55	51.50	-50.00%	489,136.38	733,704.57	1.121	822,431.44	396,370,744.98
352 SVC	2014	7.5	7,275,455.40		55	47.52	-50.00%	989,999.26	1,484,998.89	1.121	1,664,579.76	345,700,087.71
352 SVC	2011	10.5	7,786.04		55	44.53	-50.00%	1,481.67	2,222.50	1.121	2,491.27	346,740.55
352 SVC	2010	11.5	1,302,245.14		55	43.54	-50.00%	271,289.72	406,934.58	1.121	456,145.17	56,702,548.01
352 SVC	2009	12.5	3,733,609.11		55	42.55	-50.00%	844,990.21	1,267,485.32	1.121	1,420,762.27	158,874,039.49
352 SVC Total			20,424,706.28					2,615,452.34	3,923,178.51		4,397,608.36	979,508,966.78
353 SVC	2021	0.5	3,291,918.27		30	29.55	-15.00%	49,626.33	57,070.28	1.121	63,971.78	97,268,758.31
353 SVC	2020	1.5	6,676,531.47		30	28.65	-15.00%	300,619.95	345,712.95	1.121	387,520.00	191,277,345.48
353 SVC	2019	2.5	60,859,655.22		30	27.76	-15.00%	4,544,966.59	5,226,711.58	1.121	5,858,777.65	1,689,440,658.80
353 SVC	2018	3.5	65,379,154.23		30	26.88	-15.00%	6,801,541.61	7,821,772.85	1.121	8,767,659.60	1,757,328,378.68
353 SVC	2017	4.5	7,804.85		30	26.01	-15.00%	1,038.61	1,194.40	1.121	1,338.84	202,987.25
353 SVC	2014	7.5	65,581,417.97		30	23.46	-15.00%	18,668,793.28	21,469,112.27	1.121	24,065,371.34	2,007,378,740.83
353 SVC	2012	9.5	5,341.86		30	21.81	-15.00%	1,458.43	1,677.19	1.121	1,880.01	116,503.04
353 SVC	2011	10.5	5,144,261.49		30	21.00	-15.00%	1,542,649.48	1,774,046.90	1.121	1,988,582.33	108,048,360.44
353 SVC	2010	11.5	53,645,140.95		30	20.21	-15.00%	17,505,251.72	20,131,039.48	1.121	22,565,485.46	1,084,196,676.88
353 SVC	2009	12.5	58,442,970.76		30	19.43	-15.00%	20,591,591.77	23,680,330.53	1.121	26,543,992.17	1,135,541,369.76
353 SVC Total			339,034,197.07					70,007,537.75	80,508,668.42		90,244,579.18	8,070,799,779.50
Grand Total			12,954,286,844.90					2,092,955,103.99	2,857,869,346.17		3,198,547,316.07	610,807,317,809.98

1.121 Proration Factor

(3,198,547,316.07) Adjusted Reserve
0.00 Difference

2022 RATE CASE
ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF DISTRIBUTION SUBSTATION PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
360	2021	0.5	733,286.46	70	69.51	0%	5,156.96	5,156.96	1.151	5,937.31	50,969,064.81	
360	2020	1.5	1,049,616.27	70	68.52	0%	22,128.98	22,128.98	1.151	25,477.54	71,924,109.96	
360	2019	2.5	755,360.21	70	67.54	0%	26,517.60	26,517.60	1.151	30,530.24	51,018,982.70	
360	2018	3.5	260,016.44	70	66.56	0%	12,767.79	12,767.79	1.151	14,699.81	17,307,405.65	
360	2017	4.5	108,744.90	70	65.59	0%	6,858.28	6,858.28	1.151	7,896.08	7,132,063.30	
360	2016	5.5	345,016.64	70	64.61	0%	26,567.15	26,567.15	1.151	30,587.30	22,291,464.04	
360	2015	6.5	29,902.27	70	63.64	0%	2,718.15	2,718.15	1.151	3,129.46	1,902,888.69	
360	2014	7.5	53,486.30	70	62.67	0%	5,603.41	5,603.41	1.151	6,451.32	3,351,802.11	
360	2013	8.5	5,123.96	70	61.70	0%	607.64	607.64	1.151	699.59	316,142.47	
360	2012	9.5	12,633.24	70	60.73	0%	1,672.24	1,672.24	1.151	1,925.28	767,270.07	
360	2010	11.5	20,725.91	70	58.81	0%	3,311.94	3,311.94	1.151	3,813.11	1,218,977.71	
360	2009	12.5	210,271.21	70	57.86	0%	36,469.70	36,469.70	1.151	41,988.30	12,166,105.49	
360	2008	13.5	12,316.51	70	56.91	0%	2,303.56	2,303.56	1.151	2,652.14	700,906.29	
360	2007	14.5	5,529.67	70	55.96	0%	1,109.07	1,109.07	1.151	1,276.89	309,442.11	
360	2006	15.5	10,808.76	70	55.02	0%	2,313.59	2,313.59	1.151	2,663.68	594,661.87	
360	2005	16.5	9,741.48	70	54.08	0%	2,215.85	2,215.85	1.151	2,551.15	526,793.99	
360	2004	17.5	11,519.34	70	53.14	0%	2,774.19	2,774.19	1.151	3,193.97	612,160.85	
360	2002	19.5	1,303.22	70	51.29	0%	348.41	348.41	1.151	401.13	66,836.64	
360	2001	20.5	10,472.45	70	50.36	0%	2,937.54	2,937.54	1.151	3,382.04	527,444.04	
360	2000	21.5	8,950.00	70	49.45	0%	2,627.60	2,627.60	1.151	3,025.20	442,568.31	
360	1993	28.5	2,158,329.11	70	43.19	0%	826,571.94	826,571.94	1.151	951,648.83	93,223,002.01	
360	1991	30.5	24,552.16	70	41.46	0%	10,010.66	10,010.66	1.151	11,525.48	1,017,904.83	
360	1989	32.5	4,470.59	70	39.75	0%	1,931.84	1,931.84	1.151	2,224.16	177,712.66	
360	1988	33.5	29.79	70	38.91	0%	13.23	13.23	1.151	15.23	1,159.06	
360	1987	34.5	1,363.38	70	38.07	0%	621.88	621.88	1.151	715.98	51,905.30	
360	1986	35.5	12,112.11	70	37.24	0%	5,668.25	5,668.25	1.151	6,525.97	451,070.44	
360	1981	40.5	2,862.74	70	33.20	0%	1,504.95	1,504.95	1.151	1,732.68	95,045.34	
360	1966	55.5	156.40	70	22.32	0%	106.53	106.53	1.151	122.65	3,490.71	
360 Total			5,858,701.52				1,013,438.93	1,013,438.93		1,166,792.54	339,168,381.46	57.89
361	2021	0.5	22,376,358.90	65	64.50	-40%	171,983.66	240,777.13	1.151	277,211.53	1,443,284,390.49	
361	2020	1.5	15,298,803.08	65	63.50	-40%	352,727.09	493,817.92	1.151	568,542.46	971,494,939.64	
361	2019	2.5	7,392,872.16	65	62.50	-40%	284,052.23	397,673.13	1.151	457,849.04	462,073,295.29	
361	2018	3.5	14,534,679.19	65	61.50	-40%	781,743.25	1,094,440.55	1.151	1,260,051.33	893,940,836.23	
361	2017	4.5	11,509,922.22	65	60.51	-40%	795,823.29	1,114,152.61	1.151	1,282,746.22	696,416,430.32	
361	2016	5.5	16,094,919.95	65	59.51	-40%	1,359,920.95	1,903,889.33	1.151	2,191,985.92	957,774,935.18	
361	2015	6.5	15,642,262.97	65	58.51	-40%	1,561,709.58	2,186,393.41	1.151	2,517,238.53	915,235,970.53	
361	2014	7.5	17,706,108.80	65	57.51	-40%	2,039,309.25	2,855,032.95	1.151	3,287,056.63	1,018,341,970.55	
361	2013	8.5	9,857,559.66	65	56.52	-40%	1,286,444.14	1,801,021.80	1.151	2,073,552.47	557,122,508.71	
361	2012	9.5	6,014,324.57	65	55.52	-40%	877,004.83	1,227,806.76	1.151	1,413,598.52	333,925,783.09	
361	2011	10.5	5,358,339.98	65	54.53	-40%	863,354.70	1,208,896.58	1.151	1,391,596.58	292,174,043.34	
361	2010	11.5	7,849,678.65	65	53.53	-40%	1,384,781.37	1,938,693.92	1.151	2,232,057.15	420,218,322.91	
361	2009	12.5	6,350,689.77	65	52.54	-40%	1,217,332.85	1,704,265.99	1.151	1,962,155.57	333,668,199.94	
361	2008	13.5	7,857,958.01	65	51.55	-40%	1,626,114.71	2,276,560.59	1.151	2,621,049.81	405,069,814.59	
361	2007	14.5	3,812,278.42	65	50.56	-40%	846,973.84	1,185,763.37	1.151	1,365,193.13	192,744,797.84	
361	2006	15.5	4,445,658.92	65	49.57	-40%	1,055,299.57	1,477,419.40	1.151	1,700,982.55	220,373,357.67	
361	2005	16.5	5,244,292.82	65	48.58	-40%	1,324,477.21	1,854,268.10	1.151	2,134,856.01	254,788,014.39	
361	2004	17.5	4,997,827.16	65	47.60	-40%	1,337,944.40	1,873,122.15	1.151	2,156,563.06	237,892,379.64	
361	2003	18.5	3,172,902.52	65	46.62	-40%	897,349.11	1,256,288.76	1.151	1,446,390.41	147,910,971.50	
361	2002	19.5	5,532,892.44	65	45.64	-40%	1,648,209.67	2,307,493.54	1.151	2,656,663.54	252,504,379.90	
361	2001	20.5	2,692,775.16	65	44.66	-40%	842,625.15	1,179,675.21	1.151	1,358,183.70	120,259,750.64	
361	2000	21.5	2,400,868.40	65	43.69	-40%	787,258.05	1,102,161.26	1.151	1,268,940.34	104,884,673.04	

2022 RATE CASE
ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF DISTRIBUTION SUBSTATION PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
361	1999	22.5	2,762,720.98	65	42.72	-40%	947,152.09	1,326,012.93	1.151	1,526,665.25	118,011,977.74	
361	1998	23.5	3,367,308.92	65	41.75	-40%	1,204,507.90	1,686,311.06	1.151	1,941,483.70	140,582,066.32	
361	1997	24.5	1,771,814.54	65	40.79	-40%	660,024.66	924,034.52	1.151	1,063,859.46	72,266,342.30	
361	1996	25.5	172,271.53	65	39.83	-40%	66,712.70	93,397.79	1.151	107,530.74	6,861,323.70	
361	1995	26.5	799,417.11	65	38.88	-40%	321,299.76	449,819.66	1.151	517,886.39	31,077,627.94	
361	1994	27.5	1,085,422.02	65	37.93	-40%	452,078.02	632,909.23	1.151	728,681.07	41,167,359.94	
361	1993	28.5	1,135,601.40	65	36.99	-40%	489,441.53	685,218.14	1.151	788,905.37	42,000,391.53	
361	1992	29.5	283,387.12	65	36.05	-40%	126,219.73	176,707.62	1.151	203,447.02	10,215,880.67	
361	1991	30.5	1,153,850.66	65	35.12	-40%	530,428.81	742,600.33	1.151	854,970.63	40,522,420.56	
361	1990	31.5	427,665.42	65	34.20	-40%	202,667.53	283,734.54	1.151	326,669.26	14,624,862.82	
361	1989	32.5	1,023,077.16	65	33.28	-40%	499,243.21	698,940.49	1.151	804,704.19	34,049,206.93	
361	1988	33.5	1,331,493.83	65	32.37	-40%	668,323.27	935,652.58	1.151	1,077,235.56	43,106,086.16	
361	1987	34.5	799,944.49	65	31.47	-40%	412,591.97	577,628.76	1.151	665,035.56	25,177,913.65	
361	1986	35.5	1,245,949.89	65	30.58	-40%	659,694.56	923,572.39	1.151	1,063,327.39	38,106,596.18	
361	1985	36.5	873,289.01	65	29.70	-40%	474,228.78	663,920.29	1.151	764,384.73	25,938,914.85	
361	1984	37.5	1,107,833.46	65	28.83	-40%	616,455.50	863,037.70	1.151	993,632.59	31,939,567.61	
361	1983	38.5	1,712,529.58	65	27.97	-40%	975,660.69	1,365,924.97	1.151	1,572,616.78	47,896,477.69	
361	1982	39.5	857,536.02	65	27.12	-40%	499,797.05	699,715.86	1.151	805,596.89	23,253,033.33	
361	1981	40.5	885,384.94	65	26.27	-40%	527,491.34	738,487.88	1.151	850,235.89	23,263,083.79	
361	1980	41.5	380,171.01	65	25.44	-40%	231,358.31	323,901.63	1.151	372,914.44	9,672,825.59	
361	1979	42.5	889,118.79	65	24.62	-40%	552,295.66	773,213.92	1.151	890,216.67	21,893,503.71	
361	1978	43.5	329,547.74	65	23.81	-40%	208,808.58	292,332.01	1.151	336,567.70	7,848,045.30	
361	1977	44.5	330,769.54	65	23.02	-40%	213,636.49	299,091.09	1.151	344,349.57	7,613,647.98	
361	1976	45.5	274,677.78	65	22.23	-40%	180,732.07	253,024.89	1.151	291,312.63	6,106,471.32	
361	1975	46.5	649,911.25	65	21.46	-40%	435,358.00	609,501.20	1.151	701,730.94	13,945,961.33	
361	1974	47.5	840,930.87	65	20.70	-40%	573,188.51	802,463.91	1.151	923,892.78	17,403,253.56	
361	1973	48.5	985,842.90	65	19.95	-40%	683,339.04	956,674.65	1.151	1,101,438.69	19,662,751.00	
361	1972	49.5	330,637.58	65	19.21	-40%	232,944.05	326,121.67	1.151	375,470.42	6,350,079.22	
361	1971	50.5	674,209.32	65	18.48	-40%	482,545.89	675,564.25	1.151	777,790.65	12,458,122.74	
361	1970	51.5	396,577.07	65	17.76	-40%	288,211.17	403,495.64	1.151	464,552.61	7,043,783.40	
361	1969	52.5	193,231.70	65	17.06	-40%	142,528.28	199,539.59	1.151	229,733.93	3,295,722.39	
361	1968	53.5	285,685.63	65	16.36	-40%	213,777.07	299,287.89	1.151	344,576.15	4,674,056.60	
361	1967	54.5	566,010.25	65	15.68	-40%	429,508.58	601,312.01	1.151	692,302.56	8,872,608.57	
361	1966	55.5	143,484.13	65	15.00	-40%	110,367.75	154,514.85	1.151	177,896.04	2,152,564.70	
361	1965	56.5	102,927.32	65	14.34	-40%	80,220.62	112,308.87	1.151	129,303.46	1,475,935.26	
361	1964	57.5	102,465.71	65	13.69	-40%	80,879.83	113,231.76	1.151	130,366.00	1,403,082.13	
361	1963	58.5	162,100.24	65	13.06	-40%	129,526.56	181,337.18	1.151	208,777.13	2,117,289.31	
361	1962	59.5	67,708.58	65	12.45	-40%	54,737.23	76,632.12	1.151	88,228.10	843,137.64	
361	1961	60.5	268,693.58	65	11.86	-40%	219,656.32	307,518.85	1.151	354,052.61	3,187,421.93	
361	1960	61.5	31,835.89	65	11.30	-40%	26,302.04	36,822.86	1.151	42,394.90	359,699.94	
361	1959	62.5	120,596.96	65	10.76	-40%	100,638.06	140,893.28	1.151	162,213.25	1,297,328.79	
361	1958	63.5	145,185.55	65	10.24	-40%	122,306.63	171,229.28	1.151	197,139.70	1,487,129.93	
361	1957	64.5	33,844.32	65	9.75	-40%	28,766.14	40,272.59	1.151	46,366.64	330,081.93	
361	1956	65.5	79,122.78	65	9.29	-40%	67,816.78	94,943.50	1.151	109,310.35	734,889.85	
361	1955	66.5	9,963.37	65	8.85	-40%	8,607.29	12,050.21	1.151	13,873.65	88,145.07	
361	1954	67.5	97,483.25	65	8.43	-40%	84,842.92	118,780.09	1.151	136,476.55	821,621.39	
361	1953	68.5	105,876.73	65	8.03	-40%	92,794.91	129,912.87	1.151	148,227.42	850,318.57	
361	1952	69.5	79,772.93	65	7.65	-40%	70,379.67	98,531.53	1.151	111,682.10	610,562.14	
361	1951	70.5	36,192.50	65	7.29	-40%	32,131.22	44,983.71	1.151	50,669.50	263,983.17	
361	1950	71.5	76,249.58	65	6.95	-40%	68,095.30	95,333.41	1.151	106,749.41	530,028.52	
361	1949	72.5	57,100.06	65	6.62	-40%	51,283.58	71,797.01	1.151	79,940.08	378,071.20	

2022 RATE CASE
ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF DISTRIBUTION SUBSTATION PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
361	1948	73.5	39,826.37	65	6.31	-40%	35,962.70	50,347.79	1.151	55,756.92	251,138.24	
361	1947	74.5	1,172.77	65	6.00	-40%	1,064.53	1,490.34	1.151	1,641.88	7,035.74	
361	1946	75.5	278.75	65	5.70	-40%	254.29	356.00	1.151	390.25	1,589.99	
361	1945	76.5	613.74	65	5.42	-40%	562.61	787.66	1.151	859.24	3,323.40	
361	1942	79.5	28,893.74	65	4.59	-40%	26,855.58	37,597.81	1.151	40,451.24	132,480.57	
361	1941	80.5	32,181.84	65	4.32	-40%	30,043.76	42,061.26	1.151	45,054.58	138,975.18	
361	1940	81.5	3,394.73	65	4.05	-40%	3,183.11	4,456.35	1.151	4,752.62	13,755.45	
361	1939	82.5	27,329.50	65	3.79	-40%	25,734.43	36,028.20	1.151	38,261.30	103,679.60	
361	1938	83.5	949.55	65	3.53	-40%	897.95	1,257.14	1.151	1,329.37	3,353.75	
361	1930	91.5	1,085.74	65	1.63	-40%	1,058.44	1,481.82	1.151	1,520.04	1,774.47	
361	1929	92.5	487.27	65	1.42	-40%	476.61	667.25	1.151	682.18	693.03	
361	1928	93.5	15,410.73	65	1.23	-40%	15,120.08	21,168.12	1.151	21,575.02	18,891.98	
361	1927	94.5	1,284.61	65	1.02	-40%	1,264.41	1,770.18	1.151	1,798.45	1,312.90	
361	1926	95.5	1,529.40	65	0.86	-40%	1,509.22	2,112.91	1.151	2,141.16	1,311.40	
361	1925	96.5	2,822.68	65	0.66	-40%	2,793.89	3,911.45	1.151	3,951.75	1,871.26	
361	1924	97.5	626.04	65	0.58	-40%	620.48	868.67	1.151	876.46	361.35	
361	1923	98.5	447.85	65	0.47	-40%	444.58	622.41	1.151	626.99	212.51	
361	1921	100.5	923.90	65	0.00	-40%	923.90	1,293.46	1.151	1,293.46	0.00	
361	1920	101.5	2,195.76	65	0.00	-40%	2,195.76	3,074.06	1.151	3,074.06	0.00	
361	1917	104.5	425.42	65	0.00	-40%	425.42	595.59	1.151	595.59	0.00	
361	1914	107.5	69.92	65	0.00	-40%	69.92	97.89	1.151	97.89	0.00	
361	1900	121.5	490.80	65	0.00	-40%	490.80	687.12	1.151	687.12	0.00	
361 Total			227,950,837.85				40,125,995.02	56,176,393.02		64,649,267.19	12,208,614,784.15	53.56
362	2021	0.5	279,062,443.39	58	57.59	-25%	1,982,411.48	2,478,014.35	1.151	2,852,987.57	16,070,641,850.57	
362	2020	1.5	232,146,655.80	58	56.77	-25%	4,935,970.24	6,169,962.80	1.151	7,103,601.77	13,178,219,762.56	
362	2019	2.5	160,285,758.11	58	55.95	-25%	5,666,944.43	7,083,680.54	1.151	8,155,583.31	8,967,891,193.37	
362	2018	3.5	158,415,181.43	58	55.14	-25%	7,822,973.20	9,778,716.50	1.151	11,258,432.20	8,734,348,077.12	
362	2017	4.5	134,761,005.71	58	54.33	-25%	8,535,206.79	10,669,008.49	1.151	12,283,443.20	7,321,096,337.16	
362	2016	5.5	139,299,803.57	58	53.52	-25%	10,756,963.80	13,446,204.75	1.151	15,480,884.89	7,455,484,706.74	
362	2015	6.5	100,454,357.58	58	52.72	-25%	9,145,491.15	11,431,863.94	1.151	13,161,733.96	5,295,914,253.06	
362	2014	7.5	86,606,945.62	58	51.92	-25%	9,075,710.57	11,344,638.21	1.151	13,061,309.23	4,496,811,633.15	
362	2013	8.5	51,014,986.24	58	51.13	-25%	6,043,665.38	7,554,581.72	1.151	8,697,741.28	2,608,336,609.93	
362	2012	9.5	59,794,256.02	58	50.34	-25%	7,897,502.65	9,871,878.32	1.151	11,365,691.26	3,010,011,695.24	
362	2011	10.5	54,074,426.69	58	49.55	-25%	7,874,348.78	9,842,935.98	1.151	11,332,369.37	2,679,604,518.72	
362	2010	11.5	60,134,279.84	58	48.77	-25%	9,566,734.59	11,958,418.23	1.151	13,767,966.47	2,932,917,624.72	
362	2009	12.5	49,716,763.05	58	48.00	-25%	8,575,494.45	10,719,368.06	1.151	12,341,423.19	2,386,193,578.74	
362	2008	13.5	75,407,532.86	58	47.22	-25%	14,011,993.73	17,514,992.17	1.151	20,165,361.35	3,560,941,269.39	
362	2007	14.5	35,480,017.70	58	46.45	-25%	7,063,327.67	8,829,159.58	1.151	10,165,188.30	1,648,168,021.91	
362	2006	15.5	36,869,109.34	58	45.69	-25%	7,825,922.96	9,782,403.71	1.151	11,262,677.35	1,684,504,809.78	
362	2005	16.5	51,151,799.36	58	44.93	-25%	11,528,452.31	14,410,565.39	1.151	16,591,172.61	2,298,154,128.71	
362	2004	17.5	39,040,561.09	58	44.17	-25%	9,308,187.89	11,635,234.86	1.151	13,395,878.98	1,724,477,645.59	
362	2003	18.5	24,226,625.90	58	43.42	-25%	6,090,481.86	7,613,102.32	1.151	8,765,117.21	1,051,896,354.48	
362	2002	19.5	29,714,559.27	58	42.67	-25%	7,853,275.73	9,816,594.66	1.151	11,302,042.08	1,267,954,445.51	
362	2001	20.5	26,880,397.76	58	41.93	-25%	7,448,879.86	9,311,099.82	1.151	10,720,055.75	1,127,028,038.36	
362	2000	21.5	43,000,382.72	58	41.19	-25%	12,464,036.07	15,580,045.09	1.151	17,937,618.02	1,771,108,105.55	
362	1999	22.5	23,973,040.25	58	40.45	-25%	7,252,305.54	9,065,381.92	1.151	10,437,155.81	969,802,613.37	
362	1998	23.5	20,242,985.14	58	39.72	-25%	6,378,502.14	7,973,127.68	1.151	9,179,621.62	804,140,013.79	
362	1997	24.5	20,738,996.27	58	39.00	-25%	6,793,941.07	8,492,426.33	1.151	9,777,500.56	808,813,201.84	
362	1996	25.5	7,618,087.61	58	38.28	-25%	2,590,165.68	3,237,707.10	1.151	3,727,637.04	291,619,471.92	
362	1995	26.5	11,452,796.42	58	37.57	-25%	4,034,961.56	5,043,701.95	1.151	5,806,915.09	430,234,421.79	
362	1994	27.5	28,034,568.68	58	36.86	-25%	10,219,508.02	12,774,385.03	1.151	14,707,405.39	1,033,273,518.06	

2022 RATE CASE
ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF DISTRIBUTION SUBSTATION PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
362	1993	28.5	16,659,099.41	58	36.15	-25%	6,274,810.93	7,843,513.66	1.151	9,030,394.40	602,288,732.04	
362	1992	29.5	20,819,167.54	58	35.46	-25%	8,092,084.50	10,115,105.62	1.151	11,645,723.73	738,170,816.60	
362	1991	30.5	22,814,359.65	58	34.77	-25%	9,139,503.28	11,424,379.10	1.151	13,153,116.51	793,141,669.52	
362	1990	31.5	14,064,876.86	58	34.08	-25%	5,800,645.73	7,250,807.16	1.151	8,347,999.54	479,325,405.57	
362	1989	32.5	13,668,354.40	58	33.40	-25%	5,797,223.02	7,246,528.77	1.151	8,343,073.74	456,525,620.28	
362	1988	33.5	31,555,570.10	58	32.73	-25%	13,749,657.96	17,187,072.45	1.151	19,787,820.81	1,032,742,904.01	
362	1987	34.5	20,658,109.35	58	32.06	-25%	9,238,528.04	11,548,160.05	1.151	13,295,628.01	662,335,715.88	
362	1986	35.5	24,555,034.23	58	31.40	-25%	11,260,475.96	14,075,594.95	1.151	16,205,514.44	771,084,379.52	
362	1985	36.5	15,837,028.59	58	30.75	-25%	7,440,762.75	9,300,953.44	1.151	10,708,374.01	486,983,418.76	
362	1984	37.5	18,081,462.63	58	30.10	-25%	8,696,381.08	10,870,476.35	1.151	12,515,397.19	544,334,729.77	
362	1983	38.5	21,642,385.42	58	29.47	-25%	10,647,151.74	13,308,939.67	1.151	15,322,848.85	637,723,553.66	
362	1982	39.5	18,710,055.76	58	28.84	-25%	9,408,145.08	11,760,181.35	1.151	13,539,732.38	539,510,819.26	
362	1981	40.5	18,637,254.82	58	28.21	-25%	9,571,804.56	11,964,755.69	1.151	13,775,262.91	525,796,115.34	
362	1980	41.5	11,058,084.94	58	27.60	-25%	5,796,608.28	7,245,760.35	1.151	8,342,189.04	305,165,646.38	
362	1979	42.5	9,566,974.41	58	26.99	-25%	5,115,260.81	6,394,076.01	1.151	7,361,627.80	258,199,389.07	
362	1978	43.5	4,305,541.09	58	26.39	-25%	2,346,650.47	2,833,313.09	1.151	3,377,182.12	113,615,655.92	
362	1977	44.5	6,908,645.22	58	25.80	-25%	3,835,889.71	4,794,862.13	1.151	5,520,420.83	178,219,819.81	
362	1976	45.5	4,665,701.26	58	25.21	-25%	2,637,494.78	3,296,868.47	1.151	3,795,750.72	117,635,975.94	
362	1975	46.5	10,336,000.91	58	24.64	-25%	5,945,480.50	7,431,850.63	1.151	8,556,438.51	254,650,183.64	
362	1974	47.5	12,252,974.72	58	24.07	-25%	7,167,995.07	8,959,993.84	1.151	10,315,820.40	294,928,819.69	
362	1973	48.5	8,726,769.53	58	23.51	-25%	5,189,178.80	6,486,473.50	1.151	7,468,006.89	205,180,262.12	
362	1972	49.5	6,706,695.46	58	22.96	-25%	4,051,591.39	5,064,489.24	1.151	5,830,847.92	153,996,035.95	
362	1971	50.5	8,502,694.71	58	22.42	-25%	5,215,977.92	6,519,972.40	1.151	7,506,574.84	190,629,573.63	
362	1970	51.5	9,668,200.19	58	21.89	-25%	6,019,706.82	7,524,633.52	1.151	8,663,261.31	211,612,615.64	
362	1969	52.5	5,452,730.35	58	21.36	-25%	3,444,254.92	4,305,318.65	1.151	4,956,799.61	116,491,575.02	
362	1968	53.5	5,118,860.11	58	20.85	-25%	3,278,809.41	4,098,511.77	1.151	4,718,698.70	106,722,940.39	
362	1967	54.5	6,362,317.32	58	20.34	-25%	4,130,803.52	5,163,504.40	1.151	5,944,846.05	129,427,800.50	
362	1966	55.5	3,365,491.01	58	19.85	-25%	2,213,896.06	2,767,370.07	1.151	3,186,128.60	66,792,507.21	
362	1965	56.5	2,857,797.29	58	19.36	-25%	1,903,957.78	2,379,947.22	1.151	2,740,080.91	55,322,691.70	
362	1964	57.5	2,882,618.93	58	18.88	-25%	1,944,297.84	2,430,372.30	1.151	2,798,136.32	54,422,623.17	
362	1963	58.5	1,398,398.54	58	18.41	-25%	954,530.74	1,193,163.42	1.151	1,373,712.95	25,744,332.53	
362	1962	59.5	1,066,823.61	58	17.95	-25%	736,672.49	920,840.62	1.151	1,060,182.25	19,148,764.76	
362	1961	60.5	2,418,159.27	58	17.50	-25%	1,688,641.81	2,110,802.26	1.151	2,430,208.93	42,312,012.66	
362	1960	61.5	780,416.92	58	17.05	-25%	550,937.53	688,671.91	1.151	792,881.77	13,308,804.54	
362	1959	62.5	1,587,362.58	58	16.62	-25%	1,132,473.34	1,415,591.68	1.151	1,629,799.06	26,383,575.67	
362	1958	63.5	1,500,773.82	58	16.20	-25%	1,081,895.64	1,352,119.55	1.151	1,556,722.33	24,306,534.29	
362	1957	64.5	1,049,169.98	58	15.78	-25%	763,730.79	954,663.48	1.151	1,099,123.19	16,555,473.17	
362	1956	65.5	841,139.09	58	15.37	-25%	618,211.59	772,764.49	1.151	889,699.24	12,929,794.95	
362	1955	66.5	741,970.99	58	14.97	-25%	550,435.49	688,044.36	1.151	792,159.26	11,109,059.00	
362	1954	67.5	837,088.20	58	14.58	-25%	626,645.12	783,306.40	1.151	901,836.35	12,205,698.56	
362	1953	68.5	1,245,758.06	58	14.20	-25%	940,805.01	1,176,006.27	1.151	1,353,959.57	17,687,276.67	
362	1952	69.5	764,972.08	58	13.82	-25%	582,663.53	728,329.41	1.151	838,540.24	10,573,896.19	
362	1951	70.5	531,511.77	58	13.45	-25%	408,213.51	510,266.89	1.151	587,480.49	7,151,298.99	
362	1950	71.5	806,816.18	58	13.09	-25%	624,669.18	780,836.47	1.151	898,992.67	10,564,526.09	
362	1949	72.5	383,298.04	58	12.74	-25%	299,099.44	373,874.30	1.151	430,448.97	4,883,518.69	
362	1948	73.5	331,880.09	58	12.39	-25%	260,963.14	326,203.92	1.151	375,565.11	4,113,183.11	
362	1947	74.5	38,577.60	58	12.05	-25%	30,560.84	38,201.06	1.151	43,981.64	464,971.84	
362	1946	75.5	26,279.44	58	11.72	-25%	20,969.82	26,212.28	1.151	30,178.72	307,957.80	
362	1945	76.5	836.94	58	11.39	-25%	672.58	840.73	1.151	967.95	9,532.63	
362	1944	77.5	4,916.14	58	11.07	-25%	3,978.18	4,972.73	1.151	5,725.20	54,401.58	
362	1943	78.5	9,050.70	58	10.75	-25%	7,373.61	9,217.02	1.151	10,611.74	97,270.97	

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

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
362	1942	79.5	12,197.45	58	10.43	-25%	10,003.17	12,503.97	1.151	14,396.07	127,268.06	
362	1941	80.5	253,926.25	58	10.12	-25%	209,602.53	262,003.16	1.151	301,649.49	2,570,775.76	
362	1940	81.5	29,564.70	58	9.82	-25%	24,559.99	30,699.99	1.151	35,345.52	290,272.91	
362	1939	82.5	17,741.76	58	9.52	-25%	14,830.66	18,538.33	1.151	21,343.55	168,843.73	
362	1938	83.5	362.50	58	9.22	-25%	304.88	381.10	1.151	438.77	3,342.00	
362	1937	84.5	10,855.74	58	8.92	-25%	9,185.50	11,481.88	1.151	13,219.32	96,873.65	
362	1936	85.5	160.68	58	8.63	-25%	136.77	170.96	1.151	196.83	1,387.00	
362	1934	87.5	66.37	58	8.06	-25%	57.15	71.43	1.151	82.24	534.91	
362	1931	90.5	293.78	58	7.22	-25%	257.19	321.48	1.151	367.23	2,122.51	
362	1930	91.5	41,373.76	58	6.95	-25%	36,414.34	45,517.93	1.151	51,717.20	287,646.31	
362	1929	92.5	78,399.23	58	6.68	-25%	69,364.29	86,705.36	1.151	97,999.04	524,026.41	
362	1928	93.5	135,740.22	58	6.42	-25%	120,713.41	150,891.76	1.151	169,675.28	871,555.10	
362	1927	94.5	145,417.99	58	6.16	-25%	129,969.76	162,462.20	1.151	181,772.49	895,997.45	
362	1926	95.5	628.04	58	5.90	-25%	564.12	705.15	1.151	785.05	3,707.52	
362	1925	96.5	3,307.45	58	5.65	-25%	2,985.29	3,731.62	1.151	4,134.31	18,685.11	
362	1924	97.5	1,654.65	58	5.40	-25%	1,500.61	1,875.76	1.151	2,068.31	8,934.38	
362	1923	98.5	170.45	58	5.15	-25%	155.32	194.15	1.151	213.06	877.58	
362	1920	101.5	214.03	58	4.38	-25%	197.87	247.33	1.151	267.54	937.49	
362	1919	102.5	45.00	58	4.10	-25%	41.82	52.27	1.151	56.25	184.53	
362	1917	104.5	1,393.55	58	3.48	-25%	1,309.97	1,637.47	1.151	1,741.94	4,847.36	
362 Total			2,433,137,893.27				416,614,486.35	520,768,107.93		599,558,459.00	116,958,357,601.56	48.07
Grand Total							457,753,920.29	577,957,939.88		665,374,518.73	129,506,140,767.16	

(1) Removed investment for mobile generators which are leased not depreciated

1.151 Proration Factor

665,374,518.73 Book

0.00 Difference

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

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
360	2021	0.5	1,243,277.52	70	69.51	0%	8,743.56	8,743.56	1.200	10,494.81	86,417,377.04	
360	2020	1.5	24,365.36	70	68.52	0%	513.69	513.69	1.200	616.58	1,669,616.68	
360	2019	2.5	287,830.03	70	67.54	0%	10,104.53	10,104.53	1.200	12,128.37	19,440,784.84	
360	2018	3.5	143,979.04	70	66.56	0%	7,069.91	7,069.91	1.200	8,485.95	9,583,638.83	
360	2017	4.5	731,241.28	70	65.59	0%	46,117.64	46,117.64	1.200	55,354.54	47,958,654.59	
360	2016	5.5	1,004,485.81	70	64.61	0%	77,347.95	77,347.95	1.200	92,839.95	64,899,650.39	
360	2015	6.5	845,718.18	70	63.64	0%	76,876.62	76,876.62	1.200	92,274.22	53,818,909.47	
360	2014	7.5	195,843.88	70	62.67	0%	20,517.29	20,517.29	1.200	24,626.70	12,272,861.08	
360	2013	8.5	161,467.12	70	61.70	0%	19,148.03	19,148.03	1.200	22,983.18	9,962,336.42	
360	2012	9.5	87,124.21	70	60.73	0%	11,532.47	11,532.47	1.200	13,842.31	5,291,421.55	
360	2011	10.5	24,959.84	70	59.77	0%	3,646.86	3,646.86	1.200	4,377.29	1,491,908.32	
360	2010	11.5	139,496.19	70	58.81	0%	22,291.10	22,291.10	1.200	26,755.78	8,204,356.12	
360	2009	12.5	462,672.68	70	57.86	0%	80,246.53	80,246.53	1.200	96,319.10	26,769,830.41	
360	2008	13.5	481,534.73	70	56.91	0%	90,061.68	90,061.68	1.200	108,100.12	27,403,113.41	
360	2007	14.5	80,565.72	70	55.02	0%	17,244.91	17,244.91	1.200	20,698.89	4,432,456.82	
360	2006	15.5	30,065.64	70	48.54	0%	9,218.08	9,218.08	1.200	11,064.36	1,459,329.43	
360	2005	16.5	35,678.13	70	46.73	0%	11,859.05	11,859.05	1.200	14,234.29	1,667,335.85	
360	2004	17.5	351,866.84	70	45.84	0%	121,449.16	121,449.16	1.200	145,774.19	16,129,237.45	
360	2003	18.5	210,921.56	70	44.95	0%	75,478.24	75,478.24	1.200	90,595.76	9,481,032.75	
360	2002	19.5	267,500.77	70	44.07	0%	99,096.10	99,096.10	1.200	118,944.05	11,788,326.65	
360	2001	20.5	423,034.04	70	43.19	0%	162,008.69	162,008.69	1.200	194,457.38	18,271,774.67	
360	2000	21.5	1,998,763.25	70	42.32	0%	790,307.33	790,307.33	1.200	948,597.86	84,591,914.11	
360	1999	22.5	236,914.43	70	41.46	0%	96,597.22	96,597.22	1.200	115,944.66	9,822,204.79	
360	1998	23.5	316,131.44	70	40.60	0%	132,769.26	132,769.26	1.200	159,361.59	12,835,352.81	
360	1997	24.5	157,397.80	70	39.75	0%	68,014.96	68,014.96	1.200	81,637.67	6,256,798.80	
360	1996	25.5	679,969.84	70	38.91	0%	302,027.11	302,027.11	1.200	362,520.07	26,455,991.15	
360	1995	26.5	571,398.74	70	38.07	0%	260,630.92	260,630.92	1.200	312,832.64	21,753,747.71	
360	1994	27.5	554,735.64	70	37.24	0%	259,606.16	259,606.16	1.200	311,602.63	20,659,063.63	
360	1993	28.5	206,551.60	70	36.42	0%	99,090.49	99,090.49	1.200	118,937.31	7,522,277.76	
360	1992	29.5	206,900.28	70	35.60	0%	101,667.14	101,667.14	1.200	122,030.04	7,366,319.50	
360	1991	30.5	206,114.31	70	34.79	0%	103,662.47	103,662.47	1.200	124,425.01	7,171,628.90	
360	1990	31.5	187,595.70	70	33.99	0%	96,492.94	96,492.94	1.200	115,819.50	6,377,193.13	
360	1989	32.5	151,437.18	70	33.20	0%	79,610.90	79,610.90	1.200	95,556.15	5,027,839.61	
360	1988	33.5	134,155.95	70	32.42	0%	72,031.09	72,031.09	1.200	86,458.19	4,348,739.98	
360	1987	34.5	87,252.74	70	31.64	0%	47,817.16	47,817.16	1.200	57,394.46	2,760,490.32	
360	1986	35.5	104,419.16	70	30.87	0%	58,373.47	58,373.47	1.200	70,065.08	3,223,198.31	
360	1985	36.5	70,392.56	70	30.11	0%	40,117.12	40,117.12	1.200	48,152.17	2,119,281.07	
360	1984	37.5	97,104.62	70	29.35	0%	56,386.62	56,386.62	1.200	67,680.28	2,850,260.15	
360	1983	38.5	59,141.54	70	28.61	0%	34,971.00	34,971.00	1.200	41,975.33	1,691,938.15	
360	1982	39.5	52,184.54	70	27.87	0%	31,406.46	31,406.46	1.200	37,696.86	1,454,465.48	
360	1981	40.5	82,775.16	70	27.14	0%	50,676.88	50,676.88	1.200	60,826.95	2,246,879.49	
360	1980	41.5	89,511.08	70	26.43	0%	55,719.45	55,719.45	1.200	66,879.49	2,365,413.98	
360	1979	42.5	82,649.71	70	25.72	0%	52,285.98	52,285.98	1.200	62,758.33	2,125,461.18	
360	1978	43.5	73,707.95	70	25.02	0%	47,365.48	47,365.48	1.200	56,852.30	1,843,973.16	
360	1977	44.5	57,141.76	70	24.33	0%	37,283.74	37,283.74	1.200	44,751.29	1,390,061.48	
360	1976	45.5	113,313.60	70	23.65	0%	75,033.64	75,033.64	1.200	90,062.12	2,679,597.18	
360	1975	46.5	99,452.17	70	22.98	0%	66,806.74	66,806.74	1.200	80,187.45	2,285,180.44	
360	1974	47.5	112,805.97	70	22.32	0%	76,838.38	76,838.38	1.200	92,228.33	2,517,731.33	
360	1973	48.5	802,403.73	70	21.67	0%	553,988.95	553,988.95	1.200	664,947.30	17,389,034.86	
360	1972	49.5	3,378,356.59	70	21.03	0%	2,363,203.63	2,363,203.63	1.200	2,836,529.30	71,060,707.24	
360	1971	50.5	180,295.14	70	20.41	0%	127,727.95	127,727.95	1.200	153,310.56	3,679,703.55	
360	1970	51.5	36,441.92	70	19.79	0%	26,136.73	26,136.73	1.200	31,371.65	721,363.25	
360	1969	52.5	14,571.12	70	19.19	0%	10,575.63	10,575.63	1.200	12,693.82	279,684.53	

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ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF DISTRIBUTION PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
360	1968	53.5	5,556.62	70	18.60	0%	4,079.76	4,079.76	1.200	4,896.89	103,380.31	
360	1967	54.5	5,256.65	70	18.03	0%	3,902.78	3,902.78	1.200	4,684.47	94,770.80	
360	1966	55.5	6,680.01	70	17.47	0%	5,013.34	5,013.34	1.200	6,017.46	116,667.13	
360	1965	56.5	702.06	70	16.91	0%	532.42	532.42	1.200	639.06	11,874.78	
360	1964	57.5	719.73	70	16.38	0%	551.34	551.34	1.200	661.77	11,787.23	
360	1963	58.5	1,365.91	70	15.85	0%	1,056.58	1,056.58	1.200	1,268.20	21,652.97	
360	1962	59.5	234.85	70	15.34	0%	183.37	183.37	1.200	220.10	3,603.25	
360	1961	60.5	649.81	70	14.85	0%	512.00	512.00	1.200	614.55	9,646.75	
360	1960	61.5	1,239.25	70	14.36	0%	984.98	984.98	1.200	1,182.26	17,798.70	
360	1959	62.5	1,958.14	70	13.89	0%	1,569.51	1,569.51	1.200	1,883.87	27,204.20	
360	1958	63.5	255.43	70	13.44	0%	206.40	206.40	1.200	247.74	3,432.13	
360	1957	64.5	1,063.27	70	12.99	0%	865.89	865.89	1.200	1,039.32	13,816.61	
360	1956	65.5	341.72	70	12.56	0%	280.38	280.38	1.200	336.54	4,293.70	
360	1955	66.5	178.32	70	12.15	0%	147.37	147.37	1.200	176.89	2,166.49	
360	1954	67.5	153.67	70	11.75	0%	127.88	127.88	1.200	153.50	1,805.08	
360	1953	68.5	99.12	70	11.36	0%	83.04	83.04	1.200	99.12	1,125.64	
360	1952	69.5	46.33	70	10.98	0%	39.06	39.06	1.200	46.33	508.64	
360	1951	70.5	162.38	70	10.61	0%	137.76	137.76	1.200	162.38	1,723.33	
360	1950	71.5	77.46	70	10.26	0%	66.11	66.11	1.200	77.46	794.63	
360	1949	72.5	113.32	70	9.92	0%	97.27	97.27	1.200	113.32	1,123.71	
360	1948	73.5	233.07	70	9.58	0%	201.16	201.16	1.200	233.07	2,233.55	
360	1947	74.5	173.59	70	9.26	0%	150.62	150.62	1.200	173.59	1,607.66	
360	1946	75.5	209.20	70	8.95	0%	182.46	182.46	1.200	209.20	1,871.90	
360	1945	76.5	315.05	70	8.64	0%	276.15	276.15	1.200	315.05	2,723.19	
360	1944	77.5	82.19	70	8.35	0%	72.39	72.39	1.200	82.19	686.12	
360	1943	78.5	33.87	70	8.06	0%	29.97	29.97	1.200	33.87	272.93	
360	1942	79.5	8.72	70	7.78	0%	7.75	7.75	1.200	8.72	67.82	
360	1941	80.5	75.35	70	7.50	0%	67.28	67.28	1.200	75.35	565.05	
360	1940	81.5	2,269.33	70	7.23	0%	2,034.99	2,034.99	1.200	2,269.33	16,403.87	
360	1939	82.5	101.19	70	6.96	0%	91.13	91.13	1.200	101.19	704.28	
360	1938	83.5	45.08	70	6.70	0%	40.77	40.77	1.200	45.08	301.84	
360	1937	84.5	9.96	70	6.44	0%	9.04	9.04	1.200	9.96	64.09	
360	1935	86.5	10.96	70	6.17	0%	9.99	9.99	1.200	10.96	67.66	
360	1934	87.5	16.69	70	5.92	0%	15.28	15.28	1.200	16.69	98.79	
360	1932	89.5	59.28	70	5.66	0%	54.49	54.49	1.200	59.28	335.40	
360	1931	90.5	63.76	70	5.40	0%	58.84	58.84	1.200	63.76	344.48	
360	1930	91.5	34.87	70	5.14	0%	32.31	32.31	1.200	34.87	179.39	
360	1908	113.5	122.15	70	4.89	0%	113.62	113.62	1.200	122.15	597.00	
360	1922	99.5	37.36	70	4.63	0%	34.89	34.89	1.200	37.36	173.06	
360	1921	100.5	76.12	70	4.37	0%	71.36	71.36	1.200	76.12	332.87	
360	1918	103.5	41,773.57	70	3.61	0%	39,619.76	39,619.76	1.200	41,773.57	150,766.37	
360 Total			18,508,221.20				7309406.582	7309406.582		8767326.769	783917023.2	42.36
364	2021	0.5	190,320,807.33	54	53.69	-100%	1,095,024.86	2,190,049.73	1.200	2,628,694.43	10,218,192,253.23	
364	2020	1.5	196,668,715.51	54	53.07	-100%	3,390,178.96	6,780,357.92	1.200	8,138,394.70	10,437,040,973.70	
364	2019	2.5	144,588,216.67	54	52.45	-100%	4,148,605.44	8,297,210.88	1.200	9,959,057.89	7,583,739,006.45	
364	2018	3.5	123,934,545.28	54	51.83	-100%	4,971,948.71	9,943,897.42	1.200	11,935,559.00	6,423,980,214.76	
364	2017	4.5	122,160,027.57	54	51.22	-100%	6,292,888.32	12,585,776.64	1.200	15,106,579.77	6,256,825,519.61	
364	2016	5.5	113,715,928.10	54	50.60	-100%	7,150,546.00	14,301,092.01	1.200	17,165,455.38	5,754,530,633.15	
364	2015	6.5	107,045,759.34	54	49.99	-100%	7,944,946.17	15,889,892.34	1.200	19,072,476.27	5,351,443,911.19	
364	2014	7.5	78,940,463.87	54	49.38	-100%	6,751,763.26	13,503,526.51	1.200	16,208,145.62	3,898,189,833.15	
364	2013	8.5	76,363,050.79	54	48.77	-100%	7,392,861.09	14,785,722.17	1.200	17,747,152.04	3,724,390,243.95	
364	2012	9.5	90,917,424.37	54	48.16	-100%	9,825,260.85	19,650,521.70	1.200	23,586,321.47	4,378,976,830.11	
364	2011	10.5	68,663,676.67	54	47.56	-100%	8,191,454.56	16,382,909.12	1.200	19,664,239.30	3,265,499,994.05	

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FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
364	2010	11.5	63,432,042.53		54	46.95	-100%	8,278,114.13	16,556,228.27	1.200	19,872,272.51	2,978,312,133.37
364	2009	12.5	67,652,076.98		54	46.35	-100%	9,585,280.77	19,170,561.54	1.200	23,010,230.16	3,135,606,995.42
364	2008	13.5	73,204,343.71		54	45.75	-100%	11,188,768.79	22,377,537.59	1.200	26,859,530.92	3,348,841,045.44
364	2007	14.5	71,587,509.43		54	45.15	-100%	11,738,644.05	23,477,288.10	1.200	28,179,550.29	3,231,836,730.42
364	2006	15.5	70,386,694.92		54	44.55	-100%	12,323,848.70	24,647,697.39	1.200	29,584,380.66	3,135,393,696.14
364	2005	16.5	81,980,156.78		54	43.95	-100%	15,262,935.03	30,525,870.06	1.200	36,639,891.57	3,602,729,974.59
364	2004	17.5	96,505,610.16		54	43.35	-100%	19,035,536.81	38,071,073.61	1.200	45,696,322.70	4,183,383,961.13
364	2003	18.5	36,943,759.58		54	42.75	-100%	7,695,222.29	15,390,444.59	1.200	18,472,994.21	1,579,421,013.43
364	2002	19.5	37,554,616.91		54	42.16	-100%	8,236,479.28	16,472,958.55	1.200	19,772,324.72	1,583,179,432.23
364	2001	20.5	35,983,246.53		54	41.56	-100%	8,287,615.36	16,575,230.72	1.200	19,895,080.97	1,495,564,083.06
364	2000	21.5	35,627,486.53		54	40.97	-100%	8,596,500.80	17,193,001.61	1.200	20,636,585.08	1,459,673,229.19
364	1999	22.5	38,817,072.83		54	40.38	-100%	9,790,779.96	19,581,559.92	1.200	23,503,547.35	1,567,419,814.90
364	1998	23.5	32,099,385.01		54	39.79	-100%	8,446,539.44	16,893,078.88	1.200	20,276,590.88	1,277,253,660.78
364	1997	24.5	28,562,524.77		54	39.20	-100%	7,826,449.68	15,652,899.35	1.200	18,788,016.00	1,119,748,055.01
364	1996	25.5	23,548,568.95		54	38.62	-100%	6,707,768.87	13,415,537.75	1.200	16,102,533.60	909,403,204.13
364	1995	26.5	22,476,594.65		54	38.04	-100%	6,645,110.31	13,290,220.61	1.200	15,952,116.72	854,900,154.52
364	1994	27.5	38,329,149.01		54	37.45	-100%	11,744,021.45	23,488,042.89	1.200	28,192,459.15	1,435,586,888.50
364	1993	28.5	16,543,670.13		54	36.88	-100%	5,246,094.00	10,492,187.99	1.200	12,593,666.61	610,069,111.20
364	1992	29.5	14,839,094.37		54	36.30	-100%	4,863,728.90	9,727,457.79	1.200	11,675,768.72	538,669,735.58
364	1991	30.5	8,880,114.58		54	35.73	-100%	3,004,789.04	6,009,578.07	1.200	7,213,235.48	317,267,579.30
364	1990	31.5	41,239,999.35		54	35.16	-100%	14,389,787.44	28,779,574.88	1.200	34,543,831.21	1,449,911,443.23
364	1989	32.5	20,686,392.62		54	34.59	-100%	7,435,261.06	14,870,522.13	1.200	17,848,936.57	715,561,103.97
364	1988	33.5	24,388,031.57		54	34.03	-100%	9,020,387.24	18,040,774.47	1.200	21,654,158.23	829,852,794.02
364	1987	34.5	25,679,612.81		54	33.47	-100%	9,764,623.79	19,529,247.58	1.200	23,440,757.37	859,409,407.11
364	1986	35.5	35,079,977.09		54	32.91	-100%	13,700,954.08	27,401,908.17	1.200	32,890,231.86	1,154,467,242.28
364	1985	36.5	39,368,025.58		54	32.36	-100%	15,779,258.72	31,558,517.44	1.200	37,879,367.73	1,273,793,410.39
364	1984	37.5	36,683,419.79		54	31.81	-100%	15,076,824.39	30,153,648.79	1.200	36,193,118.16	1,166,756,151.35
364	1983	38.5	32,869,103.54		54	31.26	-100%	13,841,650.62	27,683,301.25	1.200	33,227,985.12	1,027,482,457.44
364	1982	39.5	26,424,767.68		54	30.72	-100%	11,393,315.07	22,786,630.13	1.200	27,350,560.55	811,698,441.12
364	1981	40.5	20,421,546.34		54	30.18	-100%	9,008,664.14	18,017,328.28	1.200	21,626,016.01	616,295,638.84
364	1980	41.5	16,474,487.45		54	29.64	-100%	7,430,538.72	14,861,077.44	1.200	17,837,600.20	488,373,231.51
364	1979	42.5	15,713,297.53		54	29.11	-100%	7,241,579.38	14,483,158.75	1.200	17,383,988.25	457,472,780.26
364	1978	43.5	13,865,055.10		54	28.59	-100%	6,524,966.82	13,049,933.65	1.200	15,663,702.72	396,364,766.96
364	1977	44.5	11,975,919.29		54	28.07	-100%	5,751,763.47	11,503,526.94	1.200	13,807,566.46	336,104,414.39
364	1976	45.5	9,650,725.08		54	27.55	-100%	4,727,625.54	9,455,251.07	1.200	11,349,041.76	265,847,375.34
364	1975	46.5	2,765,990.64		54	27.03	-100%	1,381,308.12	2,762,616.23	1.200	3,315,940.19	74,772,856.25
364	1974	47.5	2,744,561.76		54	26.52	-100%	1,396,510.43	2,793,020.86	1.200	3,352,434.55	72,794,771.80
364	1973	48.5	2,688,428.59		54	26.02	-100%	1,393,102.92	2,786,205.84	1.200	3,344,254.55	69,947,586.13
364	1972	49.5	2,492,481.77		54	25.52	-100%	1,314,690.43	2,629,380.87	1.200	3,156,019.13	63,600,732.10
364	1971	50.5	2,176,488.21		54	25.02	-100%	1,168,035.94	2,336,071.87	1.200	2,803,963.32	54,456,422.78
364	1970	51.5	1,943,553.38		54	24.53	-100%	1,060,752.42	2,121,504.84	1.200	2,546,420.70	47,671,251.85
364	1969	52.5	1,943,984.80		54	24.04	-100%	1,078,561.25	2,157,122.50	1.200	2,589,172.21	46,732,871.66
364	1968	53.5	2,191,400.63		54	23.56	-100%	1,235,469.19	2,470,938.37	1.200	2,965,842.21	51,620,297.96
364	1967	54.5	4,096,740.73		54	23.08	-100%	2,346,044.63	4,692,089.26	1.200	5,631,867.05	94,537,589.43
364	1966	55.5	3,398,937.20		54	22.60	-100%	1,976,354.40	3,952,708.79	1.200	4,744,396.19	76,819,471.43
364	1965	56.5	18,093,325.48		54	22.13	-100%	10,678,428.06	21,356,856.12	1.200	25,634,417.34	400,404,460.58
364	1964	57.5	34,868,081.14		54	21.66	-100%	20,880,144.72	41,760,289.44	1.200	50,124,450.96	755,348,566.72
364	1963	58.5	16,007,868.90		54	21.20	-100%	9,723,227.59	19,446,455.19	1.200	23,341,382.51	339,370,630.55
364	1962	59.5	1,599,077.16		54	20.74	-100%	984,868.40	1,969,736.79	1.200	2,364,255.05	33,167,273.31
364	1961	60.5	404,759.95		54	20.29	-100%	252,699.12	505,398.23	1.200	606,624.36	8,211,284.96
364	1960	61.5	182,462.49		54	19.84	-100%	115,437.62	230,875.25	1.200	277,117.21	3,619,342.74
364	1959	62.5	461,164.37		54	19.39	-100%	295,578.44	591,156.87	1.200	709,559.58	8,941,640.48
364	1958	63.5	520,327.26		54	18.95	-100%	337,767.06	675,534.12	1.200	810,836.74	9,858,250.87

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364	1957	64.5	256,903.72	54	18.51	-100%	168,857.33	337,714.66	1.200	405,355.47	4,754,505.07	
364	1956	65.5	219,773.03	54	18.07	-100%	146,225.17	292,450.34	1.200	351,025.17	3,971,584.36	
364	1955	66.5	190,739.40	54	17.64	-100%	128,434.01	256,868.02	1.200	308,316.08	3,364,491.00	
364	1954	67.5	195,144.74	54	17.21	-100%	132,949.33	265,898.66	1.200	319,155.46	3,358,552.01	
364	1953	68.5	168,288.62	54	16.79	-100%	115,978.26	231,956.52	1.200	278,415.06	2,824,759.32	
364	1952	69.5	181,833.58	54	16.36	-100%	126,734.48	253,468.96	1.200	304,236.22	2,975,351.42	
364	1951	70.5	143,529.43	54	15.94	-100%	101,151.10	202,302.20	1.200	242,821.28	2,288,429.79	
364	1950	71.5	76,123.94	54	15.53	-100%	54,234.27	108,468.55	1.200	130,193.69	1,182,042.04	
364	1949	72.5	88,160.38	54	15.11	-100%	63,484.33	126,968.66	1.200	152,399.20	1,332,506.59	
364	1948	73.5	40,954.22	54	14.70	-100%	29,802.56	59,605.12	1.200	71,543.42	602,189.62	
364	1947	74.5	32,866.58	54	14.30	-100%	24,165.56	48,331.11	1.200	58,011.34	469,855.27	
364	1946	75.5	4,809.96	54	13.89	-100%	3,572.74	7,145.49	1.200	8,576.66	66,809.66	
364	1945	76.5	2,102.59	54	13.49	-100%	1,577.49	3,154.98	1.200	3,786.88	28,355.53	
364	1944	77.5	7,155.72	54	13.08	-100%	5,421.91	10,843.81	1.200	13,015.72	93,625.94	
364	1943	78.5	4,863.87	54	12.68	-100%	3,721.41	7,442.83	1.200	8,933.55	61,692.69	
364	1942	79.5	5,911.88	54	12.29	-100%	4,566.91	9,133.82	1.200	10,963.23	72,628.49	
364	1941	80.5	9,942.87	54	11.89	-100%	7,754.01	15,508.02	1.200	18,614.11	118,198.57	
364	1940	81.5	296.30	54	11.49	-100%	233.25	466.50	1.200	559.93	3,404.83	
364	1939	82.5	88.78	54	11.10	-100%	70.54	141.08	1.200	169.33	985.02	
364	1938	83.5	40.24	54	10.70	-100%	32.27	64.53	1.200	77.46	430.54	
364	1937	84.5	268.76	54	10.30	-100%	217.48	434.96	1.200	522.07	2,769.19	
364	1935	86.5	244.38	54	9.51	-100%	201.34	402.67	1.200	483.33	2,324.31	
364	1934	87.5	84.86	54	9.11	-100%	70.54	141.08	1.200	169.33	773.37	
364	1932	89.5	467.79	54	8.31	-100%	395.78	791.57	1.200	935.58	3,888.39	
364	1931	90.5	70.75	54	7.91	-100%	60.39	120.78	1.200	141.50	559.50	
364	1930	91.5	415.98	54	7.50	-100%	358.20	716.39	1.200	831.96	3,120.33	
364	1908	113.5	3,778.79	54	0.00	-100%	3,778.79	7,557.58	1.200	7,557.58	0.00	
364 Total			2,679,007,190.30				461,489,936.52	922,979,873.03		1,107,841,800.85	119,745,931,704.34	44.70
365	2021	0.5	165,113,070.24	52	51.69	-75%	986,553.77	1,726,469.10	1.200	2,072,263.31	8,534,578,856.44	
365	2020	1.5	154,103,835.76	52	51.07	-75%	2,758,512.00	4,827,396.01	1.200	5,794,274.36	7,869,956,835.33	
365	2019	2.5	117,829,991.68	52	50.45	-75%	3,510,522.54	6,143,414.44	1.200	7,373,877.91	5,944,612,395.39	
365	2018	3.5	73,815,258.86	52	49.83	-75%	3,074,683.76	5,380,696.58	1.200	6,458,395.41	3,678,509,905.29	
365	2017	4.5	74,801,813.77	52	49.22	-75%	4,000,612.46	7,001,071.80	1.200	8,403,315.33	3,681,662,468.15	
365	2016	5.5	54,074,574.79	52	48.61	-75%	3,530,031.92	6,177,555.86	1.200	7,414,857.51	2,628,316,229.35	
365	2015	6.5	58,642,976.43	52	47.99	-75%	4,518,342.09	7,907,098.66	1.200	9,490,810.16	2,814,480,985.58	
365	2014	7.5	50,556,869.00	52	47.38	-75%	4,488,741.20	7,855,297.10	1.200	9,428,633.27	2,395,542,645.66	
365	2013	8.5	42,972,057.71	52	46.77	-75%	4,318,454.63	7,557,295.60	1.200	9,070,945.09	2,009,987,360.31	
365	2012	9.5	30,793,705.00	52	46.17	-75%	3,454,270.24	6,044,972.92	1.200	7,255,719.55	1,421,650,607.62	
365	2011	10.5	22,627,578.53	52	45.56	-75%	2,801,904.73	4,903,333.28	1.200	5,885,421.10	1,030,935,037.52	
365	2010	11.5	22,821,707.90	52	44.96	-75%	3,091,261.34	5,409,707.34	1.200	6,493,216.74	1,025,983,221.16	
365	2009	12.5	23,455,644.92	52	44.35	-75%	3,449,209.42	6,036,116.49	1.200	7,245,089.27	1,040,334,645.98	
365	2008	13.5	31,687,970.76	52	43.75	-75%	5,026,552.50	8,796,466.88	1.200	10,558,309.79	1,386,393,749.36	
365	2007	14.5	29,875,513.95	52	43.15	-75%	5,084,097.76	8,897,171.08	1.200	10,679,184.02	1,289,153,641.88	
365	2006	15.5	37,692,931.06	52	42.55	-75%	6,848,899.08	11,985,573.39	1.200	14,386,161.92	1,603,889,662.90	
365	2005	16.5	34,952,286.62	52	41.95	-75%	6,752,994.85	11,817,740.99	1.200	14,184,714.39	1,466,363,172.07	
365	2004	17.5	61,792,373.42	52	41.36	-75%	12,648,040.88	22,134,071.53	1.200	26,567,301.09	2,555,505,292.30	
365	2003	18.5	19,152,573.18	52	40.76	-75%	4,139,660.74	7,244,406.29	1.200	8,695,387.24	780,671,446.90	
365	2002	19.5	15,757,366.99	52	40.17	-75%	3,585,896.73	6,275,319.28	1.200	7,532,201.95	632,916,453.35	
365	2001	20.5	22,635,611.44	52	39.57	-75%	5,409,209.43	9,466,116.50	1.200	11,362,083.43	895,772,904.51	
365	2000	21.5	20,836,430.33	52	38.98	-75%	5,216,128.26	9,128,224.45	1.200	10,956,515.03	812,255,707.77	
365	1999	22.5	21,379,185.97	52	38.39	-75%	5,594,308.45	9,790,039.79	1.200	11,750,885.25	820,813,631.07	
365	1998	23.5	19,391,472.06	52	37.81	-75%	6,797,275.87	10,467,804.83	1.200	11,649,433.65	1,446,840,294.43	
365	1997	24.5	38,682,247.05	52	37.22	-75%	10,994,445.30	19,240,279.28	1.200	23,093,911.66	1,439,765,690.88	

2022 RATE CASE
ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF DISTRIBUTION PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
365	1996	25.5	44,011,167.00	52	36.64	-75%	13,002,595.70	22,754,542.48	1.200	27,312,046.06	1,612,445,707.56	
365	1995	26.5	16,999,541.69	52	36.06	-75%	5,212,154.29	9,121,270.00	1.200	10,948,167.68	612,944,144.94	
365	1994	27.5	12,758,062.22	52	35.48	-75%	4,053,524.65	7,093,668.14	1.200	8,514,457.77	452,635,953.62	
365	1993	28.5	10,089,490.29	52	34.90	-75%	3,317,297.51	5,805,270.65	1.200	6,968,007.35	352,154,024.42	
365	1992	29.5	19,435,336.82	52	34.33	-75%	6,604,071.01	11,557,124.27	1.200	13,871,898.80	667,225,821.90	
365	1991	30.5	22,886,370.47	52	33.76	-75%	8,027,363.63	14,047,886.36	1.200	16,861,535.21	772,668,355.48	
365	1990	31.5	20,691,904.31	52	33.19	-75%	7,483,009.13	13,095,265.98	1.200	15,718,114.66	686,862,549.21	
365	1989	32.5	19,312,159.75	52	32.63	-75%	7,193,136.63	12,587,989.11	1.200	15,109,235.39	630,189,201.99	
365	1988	33.5	20,654,505.40	52	32.07	-75%	7,915,384.80	13,851,923.39	1.200	16,626,322.86	662,434,271.44	
365	1987	34.5	17,545,794.07	52	31.52	-75%	6,911,654.05	12,095,394.58	1.200	14,517,979.18	552,975,281.22	
365	1986	35.5	21,629,264.09	52	30.96	-75%	8,749,966.97	15,312,442.19	1.200	18,379,368.73	669,723,450.41	
365	1985	36.5	25,153,861.02	52	30.42	-75%	10,441,174.22	18,272,054.88	1.200	21,931,761.76	765,059,713.70	
365	1984	37.5	17,627,901.66	52	29.87	-75%	7,501,849.16	13,128,236.03	1.200	15,757,688.27	526,564,730.12	
365	1983	38.5	15,124,626.69	52	29.33	-75%	6,593,803.51	11,539,156.15	1.200	13,850,331.84	443,602,805.25	
365	1982	39.5	15,739,616.00	52	28.79	-75%	7,024,327.59	12,292,573.28	1.200	14,754,650.76	453,194,997.44	
365	1981	40.5	13,132,347.51	52	28.26	-75%	5,995,193.18	10,491,588.06	1.200	12,592,946.51	371,132,025.41	
365	1980	41.5	10,983,828.22	52	27.73	-75%	5,125,906.97	8,970,337.20	1.200	10,767,004.57	304,611,904.86	
365	1979	42.5	10,340,374.28	52	27.21	-75%	4,929,794.32	8,627,140.06	1.200	10,355,068.52	281,350,158.05	
365	1978	43.5	8,626,568.08	52	26.69	-75%	4,198,922.46	7,348,114.30	1.200	8,819,866.91	230,237,572.43	
365	1977	44.5	6,952,858.30	52	26.17	-75%	3,453,138.01	6,042,991.52	1.200	7,253,341.30	181,985,455.05	
365	1976	45.5	5,258,881.17	52	25.66	-75%	2,663,478.39	4,661,087.18	1.200	5,594,655.57	134,960,944.56	
365	1975	46.5	3,532,499.45	52	25.16	-75%	1,823,509.64	3,191,141.87	1.200	3,830,295.15	88,867,470.17	
365	1974	47.5	3,312,453.61	52	24.66	-75%	1,741,889.53	3,048,306.68	1.200	3,658,851.52	81,669,332.12	
365	1973	48.5	3,480,165.99	52	24.16	-75%	1,863,372.49	3,260,901.86	1.200	3,914,027.36	84,073,261.84	
365	1972	49.5	3,143,231.16	52	23.66	-75%	1,712,765.16	2,997,339.02	1.200	3,597,675.56	74,384,232.22	
365	1971	50.5	3,132,564.77	52	23.18	-75%	1,736,379.45	3,038,664.03	1.200	3,647,277.55	72,601,636.79	
365	1970	51.5	2,999,082.78	52	22.69	-75%	1,690,306.30	2,958,036.02	1.200	3,550,500.57	68,056,377.08	
365	1969	52.5	2,559,408.94	52	22.21	-75%	1,466,105.83	2,565,685.20	1.200	3,079,565.87	56,851,761.75	
365	1968	53.5	2,632,357.32	52	21.74	-75%	1,531,944.33	2,680,902.58	1.200	3,217,860.12	57,221,475.32	
365	1967	54.5	2,556,645.62	52	21.27	-75%	1,511,027.56	2,644,298.24	1.200	3,173,924.30	54,372,138.94	
365	1966	55.5	2,436,009.21	52	20.80	-75%	1,461,579.25	2,557,763.68	1.200	3,070,057.75	50,670,358.17	
365	1965	56.5	24,298,913.13	52	20.34	-75%	14,795,039.52	25,891,319.15	1.200	31,077,087.22	494,201,427.88	
365	1964	57.5	1,116,487.18	52	19.88	-75%	689,634.94	1,206,861.14	1.200	1,448,583.16	22,196,316.68	
365	1963	58.5	8,816,724.05	52	19.43	-75%	5,522,875.13	9,665,031.47	1.200	11,600,839.04	171,280,144.05	
365	1962	59.5	3,994,836.57	52	18.98	-75%	2,536,947.08	4,439,657.40	1.200	5,328,875.65	75,810,253.28	
365	1961	60.5	6,060,171.14	52	18.53	-75%	3,900,488.37	6,825,854.65	1.200	8,193,003.96	112,303,503.95	
365	1960	61.5	1,610,114.01	52	18.09	-75%	1,049,989.68	1,837,481.95	1.200	2,205,510.91	29,126,464.92	
365	1959	62.5	149,779.25	52	17.65	-75%	98,935.49	173,137.10	1.200	207,814.70	2,643,875.76	
365	1958	63.5	60,807.38	52	17.22	-75%	40,673.48	71,178.60	1.200	85,434.95	1,046,982.62	
365	1957	64.5	60,312.52	52	16.79	-75%	40,841.77	71,473.10	1.200	85,788.44	1,012,478.88	
365	1956	65.5	21,931.70	52	16.36	-75%	15,031.55	26,305.21	1.200	31,573.88	358,807.85	
365	1955	66.5	119,108.11	52	15.94	-75%	82,604.59	144,558.03	1.200	173,511.54	1,898,183.07	
365	1954	67.5	3,944.79	52	15.10	-75%	2,799.35	4,898.87	1.200	5,880.06	59,562.63	
365	1953	68.5	9,413.38	52	14.68	-75%	6,755.04	11,821.33	1.200	14,189.02	138,233.50	
365	1952	69.5	244.41	52	13.86	-75%	179.24	313.68	1.200	376.50	3,388.61	
365	1950	71.5	4,619.67	52	13.46	-75%	3,424.06	5,992.10	1.200	7,192.26	62,171.78	
365	1949	72.5	2,708.53	52	13.05	-75%	2,028.59	3,550.03	1.200	4,261.07	35,356.85	
365	1948	73.5	486.60	52	12.65	-75%	368.21	644.37	1.200	773.43	6,156.34	
365	1947	74.5	287.53	52	12.25	-75%	219.79	384.63	1.200	461.66	3,522.65	
365	1946	75.5	436.50	52	10.27	-75%	350.32	613.06	1.200	735.84	4,481.49	
365 Total			1,676,515,251.76				303,806,421.85	530,233,810.31		635,519,287.15	72,172,801,247.45	43.05
366	2021	0.5	64,054,006.55	60	59.53	-40%	504,454.13	706,235.78	1.200	847,687.62	3,812,973,145.45	
366	2020	1.5	55,564,815.95	60	58.58	-40%	1,310,796.23	1,835,114.73	1.200	2,202,669.56	3,255,241,182.95	

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

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
366	2019	2.5	48,307,413.87	60	57.64	-40%	1,896,356.64	2,654,899.30	1.200	3,186,648.65	2,784,663,433.56	
366	2018	3.5	42,604,051.18	60	56.71	-40%	2,337,511.74	3,272,516.44	1.200	3,927,968.22	2,415,992,366.29	
366	2017	4.5	69,150,610.71	60	55.77	-40%	4,869,420.04	6,817,188.06	1.200	8,182,601.54	3,856,871,439.92	
366	2016	5.5	31,057,106.62	60	54.85	-40%	2,668,204.02	3,735,485.63	1.200	4,483,665.44	1,703,334,155.71	
366	2015	6.5	28,214,497.19	60	53.92	-40%	2,859,389.75	4,003,145.65	1.200	4,804,935.04	1,521,306,446.20	
366	2014	7.5	24,882,923.20	60	53.00	-40%	2,904,088.87	4,065,724.42	1.200	4,880,047.69	1,318,730,059.82	
366	2013	8.5	22,342,362.33	60	52.08	-40%	2,949,455.10	4,129,237.13	1.200	4,956,281.36	1,163,574,434.10	
366	2012	9.5	18,720,976.88	60	51.17	-40%	2,756,509.71	3,859,113.59	1.200	4,632,054.82	957,868,030.23	
366	2011	10.5	13,788,161.18	60	50.26	-40%	2,239,153.94	3,134,815.52	1.200	3,762,687.21	692,940,434.22	
366	2010	11.5	14,751,233.83	60	49.35	-40%	2,618,054.88	3,665,276.83	1.200	4,399,394.53	727,990,736.96	
366	2009	12.5	19,243,631.59	60	48.45	-40%	3,704,083.81	5,185,717.33	1.200	6,224,363.80	932,372,867.03	
366	2008	13.5	25,475,525.40	60	47.56	-40%	5,283,708.46	7,397,191.85	1.200	8,878,774.19	1,211,509,016.29	
366	2007	14.5	22,883,352.08	60	46.67	-40%	5,085,676.26	7,119,946.76	1.200	8,545,999.73	1,067,860,549.32	
366	2006	15.5	34,271,540.22	60	45.78	-40%	8,122,168.25	11,371,035.55	1.200	13,648,538.40	1,568,962,318.07	
366	2005	16.5	39,481,517.99	60	44.90	-40%	9,935,656.27	13,909,918.77	1.200	16,695,934.12	1,772,751,703.48	
366	2004	17.5	24,854,340.43	60	44.03	-40%	6,616,840.57	9,263,576.79	1.200	11,118,977.07	1,094,249,991.76	
366	2003	18.5	26,488,170.52	60	43.16	-40%	7,435,187.97	10,409,263.15	1.200	12,494,132.76	1,143,178,953.19	
366	2002	19.5	26,626,481.09	60	42.30	-40%	7,856,707.28	10,999,390.20	1.200	13,202,456.26	1,126,186,428.41	
366	2001	20.5	34,445,863.85	60	41.44	-40%	10,655,786.65	14,918,101.31	1.200	17,906,045.37	1,427,404,632.18	
366	2000	21.5	38,097,737.27	60	40.59	-40%	12,325,394.57	17,255,552.39	1.200	20,711,664.15	1,546,340,562.26	
366	1999	22.5	38,388,551.63	60	39.75	-40%	12,959,316.03	18,143,042.44	1.200	21,776,909.43	1,525,754,136.19	
366	1998	23.5	25,179,206.28	60	38.91	-40%	8,851,569.10	12,392,196.74	1.200	14,874,227.79	979,658,230.97	
366	1997	24.5	29,424,360.34	60	38.08	-40%	10,751,333.19	15,051,866.46	1.200	18,066,602.33	1,120,381,629.20	
366	1996	25.5	44,371,884.49	60	37.25	-40%	16,822,173.45	23,551,042.83	1.200	28,268,077.33	1,652,982,662.50	
366	1995	26.5	30,354,811.46	60	36.44	-40%	11,921,473.78	16,690,063.29	1.200	20,032,913.33	1,106,000,260.94	
366	1994	27.5	16,651,657.54	60	35.63	-40%	6,764,497.76	9,470,296.86	1.200	11,367,101.07	593,229,586.98	
366	1993	28.5	12,632,843.33	60	34.82	-40%	5,300,859.60	7,421,203.44	1.200	8,907,595.06	439,919,023.83	
366	1992	29.5	11,187,608.84	60	34.03	-40%	4,842,749.47	6,779,849.26	1.200	8,137,784.16	380,691,562.04	
366	1991	30.5	7,937,109.88	60	33.24	-40%	3,539,921.24	4,955,869.74	1.200	5,948,504.08	263,831,318.26	
366	1990	31.5	9,933,415.64	60	32.46	-40%	4,559,373.21	6,383,122.50	1.200	7,661,597.05	322,442,545.71	
366	1989	32.5	9,953,000.76	60	31.69	-40%	4,686,505.55	6,575,107.77	1.200	7,892,035.02	315,389,712.69	
366	1988	33.5	9,542,173.78	60	30.92	-40%	4,624,201.82	6,473,882.55	1.200	7,770,535.43	295,078,317.39	
366	1987	34.5	7,059,580.38	60	30.17	-40%	3,510,064.08	4,914,089.71	1.200	5,898,331.93	212,970,978.29	
366	1986	35.5	11,269,311.43	60	29.42	-40%	5,743,688.93	8,041,164.51	1.200	9,651,728.03	331,537,349.84	
366	1985	36.5	10,424,602.11	60	28.68	-40%	5,441,643.17	7,618,300.44	1.200	9,144,168.58	298,977,536.39	
366	1984	37.5	8,375,888.60	60	27.95	-40%	4,474,205.09	6,263,887.13	1.200	7,518,480.05	234,101,010.58	
366	1983	38.5	7,410,388.27	60	27.23	-40%	4,047,669.18	5,666,736.85	1.200	6,801,726.65	201,763,145.33	
366	1982	39.5	6,703,920.71	60	26.51	-40%	3,741,457.59	5,238,040.63	1.200	6,287,166.92	177,747,787.22	
366	1981	40.5	6,904,871.09	60	25.81	-40%	3,934,573.12	5,508,402.36	1.200	6,611,679.37	178,217,878.36	
366	1980	41.5	4,027,303.78	60	25.12	-40%	2,341,487.51	3,278,082.51	1.200	3,934,649.12	101,148,976.41	
366	1979	42.5	3,044,885.00	60	24.43	-40%	1,805,051.93	2,527,072.70	1.200	3,033,219.68	74,389,984.31	
366	1978	43.5	2,589,693.36	60	23.76	-40%	1,564,315.63	2,190,041.88	1.200	2,628,685.00	61,522,664.06	
366	1977	44.5	1,063,913.70	60	23.09	-40%	654,448.85	916,228.39	1.200	1,099,739.63	24,567,890.90	
366	1976	45.5	1,880,193.35	60	22.44	-40%	1,177,060.86	1,647,885.20	1.200	1,977,939.86	42,187,949.48	
366	1975	46.5	3,159,309.38	60	21.80	-40%	2,011,670.61	2,816,338.85	1.200	3,380,422.90	68,858,326.36	
366	1974	47.5	6,945,186.84	60	21.16	-40%	4,495,479.73	6,293,671.62	1.200	7,554,230.08	146,982,426.75	
366	1973	48.5	3,540,357.44	60	20.54	-40%	2,328,206.44	3,259,489.01	1.200	3,912,331.53	72,729,060.16	
366	1972	49.5	5,471,025.96	60	19.93	-40%	3,653,305.40	5,114,627.55	1.200	6,139,035.47	109,063,233.85	
366	1971	50.5	4,353,478.71	60	19.34	-40%	2,950,347.08	4,130,485.91	1.200	4,957,780.26	84,187,897.80	
366	1970	51.5	2,896,105.19	60	18.75	-40%	1,990,865.05	2,787,211.07	1.200	3,345,461.12	54,314,408.19	
366	1969	52.5	2,734,858.26	60	18.18	-40%	1,906,027.19	2,668,438.07	1.200	3,202,899.09	49,729,864.02	
366	1968	53.5	1,407,299.26	60	17.63	-40%	993,889.93	1,391,445.90	1.200	1,670,138.37	24,804,559.98	
366	1967	54.5	1,936,362.89	60	17.08	-40%	1,385,100.45	1,939,140.63	1.200	2,327,530.79	33,075,746.47	

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FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
366	1966	55.5	738,887.66	60	16.55	-40%	535,063.32	749,088.65	1.200	899,123.49	12,229,460.44	
366	1965	56.5	6,478,862.52	60	16.03	-40%	4,747,456.27	6,646,438.77	1.200	7,977,652.91	103,884,375.16	
366	1964	57.5	2,109.11	60	15.53	-40%	1,563.13	2,188.38	1.200	2,626.69	32,758.80	
366	1963	58.5	46,114.36	60	15.04	-40%	34,551.65	48,372.32	1.200	58,060.80	693,762.37	
366	1962	59.5	14,957.81	60	14.57	-40%	11,325.38	15,855.53	1.200	19,031.23	217,945.81	
366	1961	60.5	9,722.02	60	14.11	-40%	7,435.42	10,409.59	1.200	12,494.53	137,195.83	
366	1960	61.5	34,964.12	60	13.67	-40%	26,999.41	37,799.17	1.200	45,369.96	477,882.70	
366	1959	62.5	16,465.74	60	13.24	-40%	12,832.87	17,966.02	1.200	21,564.43	217,972.13	
366	1958	63.5	10,579.15	60	12.82	-40%	8,318.27	11,645.57	1.200	13,978.06	135,653.09	
366	1957	64.5	1,227.23	60	12.42	-40%	973.16	1,362.42	1.200	1,635.30	15,244.38	
366	1956	65.5	585.17	60	12.03	-40%	467.80	654.92	1.200	786.09	7,042.39	
366	1955	66.5	18,344.51	60	11.66	-40%	14,779.08	20,690.71	1.200	24,834.85	213,925.97	
366	1954	67.5	27,128.75	60	11.30	-40%	22,018.77	30,826.27	1.200	37,000.46	306,599.09	
366	1953	68.5	25,701.36	60	10.95	-40%	21,008.84	29,412.37	1.200	35,303.37	281,551.28	
366	1952	69.5	92,158.13	60	10.62	-40%	75,845.92	106,184.29	1.200	127,451.93	978,732.43	
366	1951	70.5	2,394.86	60	10.30	-40%	1,983.86	2,777.40	1.200	3,333.69	24,659.98	
366	1950	71.5	6,851.56	60	9.99	-40%	5,711.28	7,995.79	1.200	9,592.18	68,416.94	
366	1949	72.5	40,738.09	60	9.68	-40%	34,162.71	47,827.80	1.200	57,033.33	394,522.70	
366	1948	73.5	32,442.87	60	9.39	-40%	27,364.32	38,310.04	1.200	45,420.02	304,713.27	
366	1947	74.5	4,997.50	60	9.11	-40%	4,238.71	5,934.19	1.200	6,996.50	45,527.62	
366	1946	75.5	575.98	60	8.84	-40%	491.16	687.63	1.200	806.37	5,089.09	
366	1945	76.5	885.49	60	8.57	-40%	759.05	1,062.67	1.200	1,239.69	7,586.47	
366	1944	77.5	835.35	60	8.31	-40%	719.69	1,007.57	1.200	1,169.49	6,939.61	
366	1932	89.5	1,404.52	60	5.48	-40%	1,276.13	1,786.59	1.200	1,966.33	7,703.12	
366	1930	91.5	916,017.22	60	5.04	-40%	839,027.22	1,174,638.10	1.200	1,282,424.51	4,619,417.68	
366	1926	95.5	405.56	60	4.14	-40%	377.58	528.62	1.200	567.78	1,678.58	
366	1921	100.5	43,285.69	60	2.80	-40%	41,269.21	57,776.90	1.200	60,599.97	120,988.52	
366	1912	109.5	10,181.08	60	0.00	-40%	10,181.08	14,253.51	1.200	14,253.51	0.00	
366	1908	113.5	712.48	60	0.00	-40%	712.48	997.47	1.200	997.47	0.00	
366	1902	119.5	21,280.00	60	0.00	-40%	21,280.00	29,792.00	1.200	29,792.00	0.00	
366 Total			1,082,662,295.79				269,229,330.88	376,921,063.24		452,267,860.98	48,805,977,894.34	45.08
367	2021	0.5	193,408,262.86	52	51.69	-20%	1,155,618.09	1,386,741.71	1.200	1,664,491.98	9,997,137,528.04	
367	2020	1.5	181,898,061.76	52	51.07	-20%	3,256,038.27	3,907,245.92	1.200	4,689,827.57	9,289,385,221.47	
367	2019	2.5	173,138,791.11	52	50.45	-20%	5,158,343.98	6,190,012.78	1.200	7,429,809.42	8,734,983,250.70	
367	2018	3.5	144,670,009.87	52	49.83	-20%	6,026,051.21	7,231,261.45	1.200	8,679,609.62	7,209,485,850.54	
367	2017	4.5	138,072,178.33	52	49.22	-20%	7,384,490.42	8,861,388.50	1.200	10,636,234.55	6,795,759,771.50	
367	2016	5.5	120,644,937.60	52	48.61	-20%	7,875,798.97	9,450,958.76	1.200	11,343,889.75	5,863,995,208.73	
367	2015	6.5	96,555,311.36	52	47.99	-20%	7,439,423.34	8,927,308.01	1.200	10,715,357.06	4,634,026,177.09	
367	2014	7.5	73,117,015.64	52	47.38	-20%	6,491,765.94	7,790,119.13	1.200	9,350,400.82	3,464,512,984.17	
367	2013	8.5	67,756,612.01	52	46.77	-20%	6,809,165.54	8,170,998.65	1.200	9,807,566.63	3,169,267,216.30	
367	2012	9.5	61,619,323.82	52	46.17	-20%	6,912,120.39	8,294,544.47	1.200	9,955,857.43	2,844,774,578.11	
367	2011	10.5	54,013,299.98	52	45.56	-20%	6,688,303.86	8,025,964.63	1.200	9,633,483.77	2,460,899,798.35	
367	2010	11.5	47,872,875.60	52	44.96	-20%	6,484,508.97	7,781,410.76	1.200	9,339,948.25	2,152,195,064.87	
367	2009	12.5	56,576,146.34	52	44.35	-20%	8,319,659.41	9,983,591.29	1.200	11,983,203.15	2,509,337,320.48	
367	2008	13.5	76,839,368.86	52	43.75	-20%	12,188,761.62	14,626,513.95	1.200	17,556,056.03	3,361,831,576.37	
367	2007	14.5	50,956,263.13	52	43.15	-20%	8,671,536.95	10,405,844.34	1.200	12,490,029.20	2,198,805,761.15	
367	2006	15.5	64,501,702.99	52	42.55	-20%	11,720,119.45	14,064,143.34	1.200	16,881,048.30	2,744,642,344.23	
367	2005	16.5	75,709,562.53	52	41.95	-20%	14,627,549.02	17,553,058.82	1.200	21,068,758.09	3,176,264,702.63	
367	2004	17.5	49,699,673.48	52	41.36	-20%	10,172,833.10	12,207,399.72	1.200	14,652,417.81	2,055,395,699.73	
367	2003	18.5	50,877,551.05	52	40.76	-20%	10,996,736.50	13,196,083.80	1.200	15,839,125.26	2,073,802,356.47	
367	2002	19.5	56,365,601.17	52	40.17	-20%	12,827,093.84	15,392,512.61	1.200	18,475,476.44	2,264,002,380.99	
367	2001	20.5	59,494,483.36	52	39.57	-20%	14,217,337.19	17,060,804.63	1.200	20,477,910.40	2,354,411,600.63	
367	2000	21.5	68,183,029.48	52	38.98	-20%	17,068,731.12	20,482,477.34	1.200	24,584,909.37	2,657,943,514.86	

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FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
367	1999	22.5	67,328,168.60		52	38.39	-20%	17,617,820.20	21,141,384.24	1.200	25,375,788.62	2,584,939,156.97
367	1998	23.5	51,520,013.05		52	37.81	-20%	14,063,295.11	16,875,954.13	1.200	20,256,036.21	1,947,749,333.04
367	1997	24.5	46,402,544.87		52	37.22	-20%	13,188,743.68	15,826,492.42	1.200	18,996,377.99	1,727,117,661.68
367	1996	25.5	53,800,421.33		52	36.64	-20%	15,894,718.88	19,073,662.66	1.200	22,893,923.42	1,971,096,527.35
367	1995	26.5	47,521,093.96		52	36.06	-20%	14,570,232.43	17,484,278.92	1.200	20,986,202.27	1,713,444,799.58
367	1994	27.5	35,521,658.37		52	35.48	-20%	11,286,033.52	13,543,240.22	1.200	16,255,813.58	1,260,252,492.36
367	1993	28.5	18,304,509.09		52	34.90	-20%	6,018,292.37	7,221,950.85	1.200	8,668,434.20	638,883,269.21
367	1992	29.5	21,827,954.63		52	34.33	-20%	7,417,075.60	8,900,490.72	1.200	10,683,168.54	749,365,709.65
367	1991	30.5	23,122,717.28		52	33.76	-20%	8,110,261.96	9,732,314.35	1.200	11,681,598.00	780,647,676.68
367	1990	31.5	21,560,405.33		52	33.19	-20%	7,797,093.37	9,356,512.05	1.200	11,230,526.31	715,692,221.71
367	1989	32.5	17,279,783.00		52	32.63	-20%	6,436,143.95	7,723,372.74	1.200	9,270,285.80	563,869,230.59
367	1988	33.5	14,569,357.36		52	32.07	-20%	5,583,385.68	6,700,062.82	1.200	8,042,017.30	467,270,527.24
367	1987	34.5	11,377,564.60		52	31.52	-20%	4,481,859.87	5,378,231.85	1.200	6,455,437.02	358,576,645.73
367	1986	35.5	19,745,481.52		52	30.96	-20%	7,987,895.95	9,585,475.14	1.200	11,505,348.39	611,394,449.60
367	1985	36.5	21,710,223.16		52	30.42	-20%	9,011,746.63	10,814,095.96	1.200	12,980,049.46	660,320,779.46
367	1984	37.5	17,351,455.78		52	29.87	-20%	7,384,202.98	8,861,043.57	1.200	10,635,820.54	518,297,145.72
367	1983	38.5	12,658,359.69		52	29.33	-20%	5,518,598.13	6,622,317.76	1.200	7,948,700.69	371,267,601.08
367	1982	39.5	10,916,169.67		52	28.79	-20%	4,871,704.10	5,846,044.92	1.200	7,016,948.30	314,312,209.76
367	1981	40.5	12,594,028.74		52	28.26	-20%	5,749,439.32	6,899,327.19	1.200	8,281,192.30	355,918,649.79
367	1980	41.5	6,542,356.39		52	27.73	-20%	3,053,171.40	3,663,805.69	1.200	4,397,628.73	181,437,619.23
367	1979	42.5	6,578,381.65		52	27.21	-20%	3,136,256.73	3,763,508.08	1.200	4,517,300.50	178,990,495.58
367	1978	43.5	4,854,342.41		52	26.69	-20%	2,362,817.65	2,835,381.19	1.200	3,403,279.22	129,559,287.29
367	1977	44.5	3,736,999.72		52	26.17	-20%	1,855,981.41	2,227,177.70	1.200	2,673,258.75	97,812,951.91
367	1976	45.5	4,567,483.80		52	25.66	-20%	2,313,304.68	2,775,965.61	1.200	3,331,963.31	117,217,314.48
367	1975	46.5	4,121,287.16		52	25.16	-20%	2,127,447.43	2,552,936.91	1.200	3,064,264.23	103,679,666.18
367	1974	47.5	5,899,056.30		52	24.66	-20%	3,102,082.51	3,722,499.01	1.200	4,468,077.73	145,442,637.05
367	1973	48.5	5,158,906.26		52	24.16	-20%	2,762,214.23	3,314,657.08	1.200	3,978,549.20	124,627,985.57
367	1972	49.5	10,751,436.55		52	23.66	-20%	5,858,521.04	7,030,225.25	1.200	8,438,307.92	254,431,606.30
367	1971	50.5	3,780,382.18		52	23.18	-20%	2,095,464.39	2,514,557.27	1.200	3,018,197.53	87,615,725.16
367	1970	51.5	2,605,528.67		52	22.69	-20%	1,468,496.15	1,762,195.38	1.200	2,115,145.21	59,125,690.97
367	1969	52.5	2,616,165.61		52	22.21	-20%	1,498,617.74	1,798,341.29	1.200	2,158,530.78	58,112,489.04
367	1968	53.5	1,450,361.55		52	21.74	-20%	844,062.14	1,012,874.57	1.200	1,215,743.05	31,527,569.23
367	1967	54.5	2,712,954.01		52	21.27	-20%	1,603,408.88	1,924,090.65	1.200	2,309,466.46	57,696,346.81
367	1966	55.5	806,849.89		52	20.80	-20%	484,101.23	580,921.48	1.200	697,274.14	16,782,930.35
367	1965	56.5	1,838,733.71		52	20.34	-20%	1,119,561.92	1,343,474.31	1.200	1,612,558.56	37,396,932.95
367	1964	57.5	13,069.59		52	19.88	-20%	8,072.86	9,687.43	1.200	11,627.73	259,829.91
367	1963	58.5	12,222.93		52	19.43	-20%	7,656.55	9,187.86	1.200	11,028.10	237,451.60
367	1962	59.5	4,553.64		52	18.98	-20%	2,891.82	3,470.18	1.200	4,165.22	86,414.70
367	1961	60.5	38,605.17		52	18.53	-20%	24,847.32	29,816.79	1.200	35,788.78	715,408.16
367	1960	61.5	14,378.72		52	18.09	-20%	9,376.67	11,252.00	1.200	13,505.67	260,106.60
367	1959	62.5	23,233.53		52	17.65	-20%	15,346.72	18,416.07	1.200	22,104.62	410,114.00
367	1958	63.5	18,454.48		52	17.22	-20%	12,344.03	14,812.83	1.200	17,779.69	317,743.52
367	1957	64.5	33,455.91		52	16.79	-20%	22,655.31	27,186.37	1.200	32,631.52	561,631.35
367	1956	65.5	12,245.96		52	16.36	-20%	8,393.14	10,071.76	1.200	12,089.04	200,346.83
367	1955	66.5	32,705.80		52	15.94	-20%	22,682.33	27,218.79	1.200	32,670.44	521,220.56
367	1954	67.5	89,821.10		52	15.52	-20%	63,019.36	75,623.23	1.200	90,769.79	1,393,690.60
367	1953	68.5	21,520.65		52	15.10	-20%	15,271.77	18,326.13	1.200	21,996.66	324,941.65
367	1952	69.5	53,815.36		52	14.68	-20%	38,617.91	46,341.50	1.200	55,623.23	790,267.21
367	1951	70.5	7,637.67		52	14.27	-20%	5,541.23	6,649.48	1.200	7,981.30	109,014.85
367	1950	71.5	18,048.30		52	13.86	-20%	13,236.18	15,883.42	1.200	19,064.71	250,230.01
367	1949	72.5	31,174.05		52	13.46	-20%	23,105.93	27,727.12	1.200	33,280.58	419,542.14
367	1948	73.5	28,653.38		52	13.05	-20%	21,460.34	25,752.41	1.200	30,910.35	374,038.07
367	1947	74.5	4,359.90		52	12.65	-20%	3,299.12	3,958.95	1.200	4,751.88	55,160.39

2022 RATE CASE
ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF DISTRIBUTION PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
367	1930	91.5	205,232.89		52	5.81	-20%	182,283.48	218,740.18	1.200	246,279.47	1,193,369.33
367	1921	100.5	1,232.78		52	1.75	-20%	1,191.32	1,429.59	1.200	1,479.34	2,155.68
367 Total			2,555,767,640.03					401,667,333.88	482,000,800.65		578,524,153.26	112,013,215,919.87
368	2021	0.5	127,853,222.74		50	49.55	-20%	1,159,234.94	1,391,081.93	1.200	1,669,701.50	6,334,699,389.88
368	2020	1.5	111,634,187.57		50	48.68	-20%	2,937,613.46	3,525,136.15	1.200	4,231,185.09	5,434,828,705.62
368	2019	2.5	122,886,523.22		50	47.86	-20%	5,257,849.82	6,309,419.78	1.200	7,573,132.43	5,881,433,670.12
368	2018	3.5	105,961,025.10		50	47.07	-20%	6,215,614.39	7,458,737.27	1.200	8,952,646.54	4,987,270,535.29
368	2017	4.5	97,244,124.36		50	46.30	-20%	7,197,980.91	8,637,577.09	1.200	10,367,595.99	4,502,307,172.41
368	2016	5.5	120,440,455.84		50	45.55	-20%	10,709,177.52	12,851,013.02	1.200	15,424,940.31	5,486,563,916.25
368	2015	6.5	96,374,688.49		50	44.83	-20%	9,963,390.70	11,956,068.84	1.200	14,350,747.90	4,320,564,889.60
368	2014	7.5	79,848,352.95		50	44.13	-20%	9,377,079.16	11,252,494.99	1.200	13,506,255.37	3,523,563,689.41
368	2013	8.5	79,900,753.99		50	43.45	-20%	10,474,491.87	12,569,390.24	1.200	15,086,911.35	3,471,313,106.23
368	2012	9.5	70,289,944.67		50	42.78	-20%	10,147,440.20	12,176,928.23	1.200	14,615,843.19	3,007,125,223.72
368	2011	10.5	72,627,736.48		50	42.14	-20%	11,421,360.85	13,705,633.02	1.200	16,450,732.02	3,060,318,781.33
368	2010	11.5	54,537,069.38		50	41.51	-20%	9,259,328.73	11,111,194.47	1.200	13,336,653.79	2,263,887,032.68
368	2009	12.5	56,036,054.13		50	40.90	-20%	10,194,948.65	12,233,938.38	1.200	14,684,271.89	2,292,055,274.16
368	2008	13.5	70,621,303.78		50	40.31	-20%	13,681,436.93	16,417,724.32	1.200	19,706,027.63	2,846,993,342.36
368	2007	14.5	74,272,025.68		50	39.74	-20%	15,238,254.85	18,285,905.82	1.200	21,948,386.90	2,951,688,541.59
368	2006	15.5	64,559,339.44		50	39.19	-20%	13,961,424.56	16,753,709.48	1.200	20,109,307.20	2,529,895,743.82
368	2005	16.5	61,903,200.65		50	38.65	-20%	14,052,280.35	16,862,736.42	1.200	20,240,171.13	2,392,546,014.97
368	2004	17.5	51,798,340.92		50	38.13	-20%	12,297,789.09	14,757,346.91	1.200	17,713,093.51	1,975,027,591.26
368	2003	18.5	45,235,189.46		50	37.62	-20%	11,195,903.90	13,435,084.68	1.200	16,125,995.59	1,701,964,277.87
368	2002	19.5	41,501,698.60		50	37.14	-20%	10,677,467.37	12,812,960.85	1.200	15,379,266.67	1,541,211,561.39
368	2001	20.5	42,290,753.26		50	36.66	-20%	11,281,045.74	13,537,254.89	1.200	16,248,629.46	1,550,485,375.76
368	2000	21.5	43,154,707.11		50	36.20	-20%	11,907,855.27	14,289,426.32	1.200	17,151,453.18	1,562,342,592.14
368	1999	22.5	50,142,750.97		50	35.76	-20%	14,283,005.17	17,139,605.20	1.200	20,572,495.11	1,792,987,290.22
368	1998	23.5	52,162,797.81		50	35.32	-20%	15,310,101.44	18,372,121.72	1.200	22,051,870.97	1,842,634,818.66
368	1997	24.5	52,564,358.10		50	34.90	-20%	15,870,856.51	19,045,027.82	1.200	22,859,553.31	1,834,675,079.33
368	1996	25.5	34,821,857.98		50	34.49	-20%	10,799,854.39	12,959,825.27	1.200	15,555,546.55	1,201,100,179.32
368	1995	26.5	38,283,745.86		50	34.09	-20%	12,180,669.74	14,616,803.69	1.200	17,544,400.91	1,305,153,805.81
368	1994	27.5	16,992,385.17		50	33.70	-20%	5,539,849.94	6,647,819.92	1.200	7,979,310.69	572,626,761.68
368	1993	28.5	74,131,966.85		50	33.31	-20%	24,739,497.89	29,687,397.47	1.200	35,633,481.45	2,469,623,447.80
368	1992	29.5	28,095,786.17		50	32.93	-20%	9,589,122.73	11,506,947.27	1.200	13,811,671.85	925,333,172.24
368	1991	30.5	26,147,808.58		50	32.56	-20%	9,119,869.81	10,943,843.77	1.200	13,135,784.44	851,396,938.68
368	1990	31.5	27,314,309.52		50	32.19	-20%	9,728,743.57	11,674,492.29	1.200	14,012,774.43	879,278,297.42
368	1989	32.5	20,566,960.12		50	31.83	-20%	7,475,898.73	8,971,078.48	1.200	10,767,894.31	654,553,069.46
368	1988	33.5	21,467,784.40		50	31.46	-20%	7,958,583.40	9,550,300.08	1.200	11,463,128.12	675,460,049.84
368	1987	34.5	21,951,531.17		50	31.11	-20%	8,294,886.55	9,953,863.86	1.200	11,947,521.62	682,832,231.13
368	1986	35.5	33,466,234.40		50	30.75	-20%	12,882,616.10	15,459,139.31	1.200	18,555,447.79	1,029,180,915.25
368	1985	36.5	43,546,840.42		50	30.40	-20%	17,067,563.12	20,481,075.75	1.200	24,583,227.05	1,323,963,864.77
368	1984	37.5	38,267,172.12		50	30.06	-20%	15,262,860.07	18,315,432.08	1.200	21,983,826.97	1,150,215,602.53
368	1983	38.5	31,121,437.39		50	29.72	-20%	12,625,578.75	15,150,694.50	1.200	18,185,224.62	924,792,931.82
368	1982	39.5	22,583,870.92		50	29.38	-20%	9,314,694.98	11,177,633.97	1.200	13,416,400.45	663,458,797.15
368	1981	40.5	20,803,313.17		50	29.04	-20%	8,719,407.48	10,463,288.98	1.200	12,558,979.41	604,195,284.34
368	1980	41.5	15,891,656.15		50	28.71	-20%	6,765,842.09	8,119,010.51	1.200	9,745,165.80	456,290,702.81
368	1979	42.5	13,926,825.69		50	28.39	-20%	6,020,392.10	7,224,470.52	1.200	8,671,458.54	395,321,679.33
368	1978	43.5	11,922,484.54		50	28.06	-20%	5,231,043.74	6,277,252.49	1.200	7,534,522.36	334,572,039.84
368	1977	44.5	8,342,617.67		50	27.74	-20%	3,713,718.26	4,456,461.91	1.200	5,349,045.93	231,444,970.60
368	1976	45.5	5,524,608.80		50	27.43	-20%	2,494,225.19	2,993,070.23	1.200	3,592,551.77	151,519,180.56
368	1975	46.5	4,888,407.56		50	27.11	-20%	2,237,575.29	2,685,090.35	1.200	3,222,886.65	132,541,613.51
368	1974	47.5	8,863,061.30		50	26.80	-20%	4,111,729.42	4,934,075.30	1.200	5,922,320.43	237,566,594.10
368	1973	48.5	8,832,407.62		50	26.50	-20%	4,151,550.43	4,981,860.52	1.200	5,979,676.54	234,042,859.43
368	1972	49.5	7,066,208.96		50	26.20	-20%	3,364,132.77	4,036,959.32	1.200	4,845,521.24	185,103,809.55

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FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
368	1971	50.5	5,464,864.72	50	25.90	-20%	2,634,458.37	3,161,350.05	1.200	3,794,536.33	141,520,317.27	
368	1970	51.5	6,996,467.72	50	25.60	-20%	3,414,212.58	4,097,055.10	1.200	4,917,653.59	179,112,757.02	
368	1969	52.5	5,846,257.35	50	25.31	-20%	2,887,143.67	3,464,572.41	1.200	4,158,491.05	147,955,683.76	
368	1968	53.5	4,066,753.57	50	25.02	-20%	2,031,889.57	2,438,267.49	1.200	2,926,627.68	101,743,199.84	
368	1967	54.5	4,174,271.26	50	24.73	-20%	2,109,510.98	2,531,413.17	1.200	3,038,429.50	103,238,014.19	
368	1966	55.5	3,094,897.40	50	24.45	-20%	1,581,564.13	1,897,876.95	1.200	2,278,002.41	75,666,663.73	
368	1965	56.5	3,172,816.85	50	24.17	-20%	1,639,152.44	1,966,982.93	1.200	2,360,949.62	76,683,220.30	
368	1964	57.5	2,523,383.61	50	23.89	-20%	1,317,616.90	1,581,140.28	1.200	1,897,826.61	60,288,335.51	
368	1963	58.5	2,233,733.42	50	23.62	-20%	1,178,608.53	1,414,330.24	1.200	1,697,606.21	52,756,244.43	
368	1962	59.5	1,697,433.43	50	23.35	-20%	904,830.61	1,085,796.73	1.200	1,303,270.77	39,630,141.24	
368	1961	60.5	1,872,610.99	50	23.08	-20%	1,008,242.89	1,209,891.47	1.200	1,452,220.44	43,218,404.76	
368	1960	61.5	2,152,682.27	50	22.81	-20%	1,170,443.40	1,404,532.08	1.200	1,685,845.58	49,111,943.42	
368	1959	62.5	2,355,080.30	50	22.55	-20%	1,292,829.39	1,551,395.26	1.200	1,862,123.96	53,112,545.75	
368	1958	63.5	2,077,041.94	50	22.29	-20%	1,150,960.85	1,381,153.02	1.200	1,657,783.93	46,304,054.69	
368	1957	64.5	2,404,158.30	50	22.04	-20%	1,344,545.20	1,613,454.23	1.200	1,936,612.72	52,980,655.24	
368	1956	65.5	1,801,390.52	50	21.78	-20%	1,016,568.66	1,219,882.39	1.200	1,464,212.44	39,241,092.98	
368	1955	66.5	2,223,404.90	50	21.53	-20%	1,265,859.52	1,519,031.42	1.200	1,823,277.97	47,877,269.19	
368	1954	67.5	1,810,454.24	50	21.29	-20%	1,039,720.01	1,247,664.01	1.200	1,497,558.43	38,536,711.59	
368	1953	68.5	1,169,535.27	50	21.04	-20%	677,376.05	812,851.25	1.200	975,657.10	24,607,961.22	
368	1952	69.5	1,328,320.82	50	20.80	-20%	775,772.99	930,927.59	1.200	1,117,382.92	27,627,391.40	
368	1951	70.5	1,166,845.51	50	20.56	-20%	687,052.22	824,462.66	1.200	989,594.15	23,989,664.58	
368	1950	71.5	586,918.11	50	20.32	-20%	348,361.24	418,033.49	1.200	501,761.35	11,927,843.43	
368	1949	72.5	528,062.75	50	20.09	-20%	315,897.73	379,077.28	1.200	455,002.60	10,608,251.00	
368	1948	73.5	616,012.68	50	19.86	-20%	371,358.73	445,630.48	1.200	534,885.74	12,232,697.25	
368	1947	74.5	281,522.71	50	19.63	-20%	171,000.12	205,200.14	1.200	246,299.65	5,526,129.48	
368	1946	75.5	76,846.94	50	19.40	-20%	47,024.70	56,429.64	1.200	67,731.92	1,491,111.97	
368	1945	76.5	48,608.92	50	19.18	-20%	29,961.97	35,954.37	1.200	43,155.66	932,347.42	
368	1944	77.5	20,698.84	50	18.96	-20%	12,849.78	15,419.73	1.200	18,508.15	392,453.24	
368	1943	78.5	10,835.91	50	18.74	-20%	6,774.09	8,128.91	1.200	9,757.05	203,090.86	
368	1942	79.5	23,198.48	50	18.53	-20%	14,602.39	17,522.87	1.200	21,032.52	429,804.43	
368	1941	80.5	39,848.44	50	18.31	-20%	25,252.13	30,302.56	1.200	36,371.85	729,815.33	
368	1940	81.5	19,947.27	50	18.10	-20%	12,724.40	15,269.27	1.200	18,327.55	361,143.75	
368	1939	82.5	16,472.42	50	17.90	-20%	10,576.06	12,691.27	1.200	15,233.20	294,818.17	
368	1938	83.5	19,520.82	50	17.69	-20%	12,613.15	15,135.78	1.200	18,167.33	345,383.29	
368	1937	84.5	22,234.11	50	17.49	-20%	14,456.13	17,347.36	1.200	20,821.86	388,898.80	
368	1936	85.5	4,046.45	50	17.29	-20%	2,647.05	3,176.46	1.200	3,812.67	69,970.09	
368	1935	86.5	611.82	50	17.09	-20%	402.64	483.17	1.200	579.94	10,459.05	
368	1934	87.5	995.22	50	16.90	-20%	658.82	790.58	1.200	948.93	16,820.07	
368	1933	88.5	429.46	50	16.71	-20%	285.94	343.13	1.200	411.85	7,176.00	
368	1932	89.5	1,258.61	50	16.52	-20%	842.75	1,011.30	1.200	1,213.86	20,792.86	
368	1931	90.5	16,887.85	50	16.33	-20%	11,370.84	13,645.01	1.200	16,377.96	275,850.48	
368	1930	91.5	73,502.38	50	16.15	-20%	49,760.13	59,712.16	1.200	71,671.89	1,187,112.54	
368	1929	92.5	12,639.39	50	15.97	-20%	8,602.43	10,322.92	1.200	12,390.50	201,847.76	
368	1928	93.5	21,833.58	50	15.79	-20%	14,937.91	17,925.49	1.200	21,515.78	344,783.69	
368	1927	94.5	5,274.79	50	15.62	-20%	3,627.38	4,352.86	1.200	5,224.70	82,370.25	
368	1926	95.5	6,402.14	50	15.44	-20%	4,424.79	5,309.74	1.200	6,373.23	98,867.67	
368	1925	96.5	6,458.35	50	15.27	-20%	4,485.63	5,382.75	1.200	6,460.86	98,636.24	
368	1924	97.5	5,177.91	50	15.11	-20%	3,613.65	4,336.38	1.200	5,204.91	78,213.05	
368	1923	98.5	634.56	50	14.94	-20%	444.95	533.94	1.200	640.88	9,480.52	
368	1922	99.5	1,524.30	50	14.78	-20%	1,073.77	1,288.53	1.200	1,546.60	22,526.43	
368	1920	101.5	532.12	50	14.46	-20%	378.21	453.85	1.200	544.75	7,695.68	
368	1919	102.5	200,745.73	50	14.31	-20%	143,298.22	171,957.86	1.200	206,399.28	2,872,375.50	
368	1918	103.5	1,846.68	50	14.16	-20%	1,323.79	1,588.55	1.200	1,906.72	26,144.44	

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368	1916	105.5	269.12	50	13.86	-20%	194.50	233.40	1.200	280.15	3,731.08	
368	1915	106.5	539.38	50	13.72	-20%	391.36	469.63	1.200	563.69	7,401.09	
368	1911	110.5	156.12	50	13.18	-20%	114.97	137.96	1.200	165.59	2,057.69	
368	1908	113.5	28,548.07	50	12.80	-20%	21,237.02	25,484.42	1.200	30,588.70	365,552.50	
368	1905	116.5	10,526.89	50	12.46	-20%	7,904.47	9,485.37	1.200	11,385.19	131,120.76	
368	1904	117.5	9,285.50	50	12.35	-20%	6,992.85	8,391.42	1.200	10,072.14	114,632.48	
368	1901	120.5	67,660.08	50	12.03	-20%	51,379.25	61,655.10	1.200	74,003.99	814,041.36	
368 Total			2,493,082,806.52				516,325,043.82	619,590,052.59		743,687,642.63	98,837,888,134.84	39.64
369	2021	0.5	84,409,506.54	37	36.50	-30%	1,140,689.01	1,482,869.71	1.200	1,779,873.44	3,080,946,988.71	
369	2020	1.5	80,272,187.37	37	35.50	-30%	3,254,277.87	4,230,561.23	1.200	5,077,899.64	2,849,662,651.64	
369	2019	2.5	67,985,427.05	37	34.50	-30%	4,593,609.94	5,971,692.92	1.200	7,167,762.31	2,345,497,233.23	
369	2018	3.5	60,751,357.37	37	33.50	-30%	5,746,750.02	7,470,775.03	1.200	8,967,095.33	2,035,170,471.90	
369	2017	4.5	54,529,811.02	37	32.50	-30%	6,632,004.04	8,621,605.26	1.200	10,348,425.16	1,772,218,858.15	
369	2016	5.5	50,376,834.50	37	31.50	-30%	7,488,448.37	9,734,982.88	1.200	11,684,801.01	1,586,870,286.75	
369	2015	6.5	49,383,572.16	37	30.50	-30%	8,675,492.41	11,278,140.13	1.200	13,537,036.97	1,506,198,950.88	
369	2014	7.5	47,920,040.66	37	29.50	-30%	9,713,521.76	12,627,578.28	1.200	15,156,753.87	1,413,641,199.47	
369	2013	8.5	44,361,250.53	37	28.50	-30%	10,191,098.09	13,248,427.52	1.200	15,901,952.90	1,264,295,640.11	
369	2012	9.5	36,273,576.92	37	27.50	-30%	9,313,485.97	12,107,531.76	1.200	14,532,547.31	997,523,365.30	
369	2011	10.5	36,737,391.79	37	26.50	-30%	10,425,476.05	13,553,118.86	1.200	16,267,670.82	973,540,882.44	
369	2010	11.5	33,109,638.07	37	25.50	-30%	10,290,833.45	13,378,083.49	1.200	16,057,577.64	844,295,770.79	
369	2009	12.5	34,358,861.68	37	24.50	-30%	11,607,723.54	15,090,040.60	1.200	18,112,422.36	841,792,111.16	
369	2008	13.5	39,773,980.03	37	23.50	-30%	14,512,127.85	18,865,766.20	1.200	22,644,387.42	934,688,530.71	
369	2007	14.5	44,649,308.64	37	22.50	-30%	17,497,702.03	22,747,012.64	1.200	27,303,008.08	1,004,609,444.40	
369	2006	15.5	50,547,513.06	37	21.50	-30%	21,175,309.53	27,527,902.38	1.200	33,041,461.44	1,086,771,530.79	
369	2005	16.5	48,427,268.17	37	20.50	-30%	21,595,943.91	28,074,727.09	1.200	33,697,809.57	992,758,997.49	
369	2004	17.5	64,644,375.17	37	19.50	-30%	30,575,042.31	39,747,555.00	1.200	47,708,586.28	1,260,565,315.82	
369	2003	18.5	46,225,946.03	37	18.50	-30%	23,112,973.02	30,046,864.92	1.200	36,064,946.57	855,180,001.56	
369	2002	19.5	46,838,594.23	37	17.50	-30%	24,685,205.07	32,090,766.59	1.200	38,518,220.97	819,675,399.03	
369	2001	20.5	49,770,406.99	37	16.50	-30%	27,575,495.76	35,848,144.49	1.200	43,028,163.48	821,211,715.34	
369	2000	21.5	50,783,967.25	37	15.50	-30%	29,509,602.59	38,362,483.37	1.200	46,046,098.87	787,151,492.38	
369	1999	22.5	59,307,742.51	37	14.50	-30%	36,065,519.09	46,885,174.82	1.200	56,275,798.80	859,962,266.40	
369	1998	23.5	50,631,852.74	37	13.50	-30%	32,158,065.90	41,805,485.66	1.200	50,178,699.53	683,530,113.25	
369	1997	24.5	44,199,310.31	37	12.50	-30%	29,267,092.96	38,047,220.85	1.200	45,667,692.48	552,492,041.86	
369	1996	25.5	38,331,640.42	37	11.50	-30%	26,417,651.69	34,342,947.20	1.200	41,221,490.46	440,817,583.00	
369	1995	26.5	40,676,615.21	37	10.50	-30%	29,132,647.88	37,872,442.25	1.200	45,457,907.49	427,126,791.17	
369	1994	27.5	34,768,203.14	37	9.50	-30%	25,838,945.82	33,590,629.57	1.200	40,318,491.25	330,382,520.87	
369	1993	28.5	21,701,834.38	37	8.51	-30%	16,711,159.72	21,724,507.64	1.200	26,075,705.71	184,654,962.44	
369	1992	29.5	48,013,805.65	37	7.53	-30%	38,245,886.11	49,719,651.95	1.200	59,677,992.88	361,413,022.90	
369	1991	30.5	25,310,368.84	37	6.57	-30%	20,814,838.26	27,059,289.74	1.200	32,478,990.45	166,334,631.32	
369	1990	31.5	30,264,905.12	37	5.66	-30%	25,633,570.57	33,323,641.74	1.200	39,344,376.66	171,359,378.29	
369	1989	32.5	23,130,252.67	37	4.82	-30%	20,115,117.96	26,149,653.35	1.200	30,069,328.47	111,559,984.26	
369	1988	33.5	15,937,352.04	37	4.08	-30%	14,181,379.33	18,435,793.13	1.200	20,718,557.65	64,970,990.26	
369	1987	34.5	6,936,355.95	37	3.43	-30%	6,293,016.25	8,180,921.12	1.200	9,017,262.74	23,803,569.01	
369	1986	35.5	5,265,478.38	37	2.89	-30%	4,854,156.71	6,310,403.73	1.200	6,845,121.89	15,218,901.67	
369	1985	36.5	3,724,321.53	37	2.45	-30%	3,478,028.72	4,521,437.34	1.200	4,841,617.99	9,112,833.79	
369	1984	37.5	7,214,139.68	37	2.09	-30%	6,807,529.71	8,849,788.62	1.200	9,378,381.58	15,044,568.88	
369	1983	38.5	7,553,119.90	37	1.80	-30%	7,186,682.33	9,342,687.03	1.200	9,819,055.87	13,558,190.11	
369	1982	39.5	5,316,689.45	37	1.56	-30%	5,092,808.83	6,620,651.48	1.200	6,911,696.29	8,283,582.93	
369	1981	40.5	5,739,171.99	37	1.36	-30%	5,527,602.38	7,185,883.09	1.200	7,460,923.59	7,828,075.64	
369	1980	41.5	3,791,317.76	37	1.21	-30%	3,667,362.68	4,767,571.48	1.200	4,928,713.09	4,586,338.14	
369	1979	42.5	3,120,133.20	37	1.08	-30%	3,028,827.06	3,937,475.17	1.200	4,056,173.16	3,378,327.34	
369	1978	43.5	3,855,146.21	37	0.97	-30%	3,754,064.59	4,880,283.97	1.200	5,011,690.07	3,740,019.98	
369	1977	44.5	2,972,573.10	37	0.88	-30%	2,901,906.12	3,772,477.96	1.200	3,864,345.03	2,614,678.27	

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FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
369	1976	45.5	3,154,306.65	37	0.82	-30%	3,084,748.22	4,010,172.69	1.200	4,100,598.65	2,573,661.88	
369	1975	46.5	2,390,312.55	37	0.75	-30%	2,342,173.98	3,044,826.18	1.200	3,107,406.32	1,781,127.05	
369	1974	47.5	2,399,046.14	37	0.69	-30%	2,354,474.85	3,060,817.30	1.200	3,118,759.98	1,649,137.90	
369	1973	48.5	2,707,654.31	37	0.66	-30%	2,659,677.75	3,457,581.07	1.200	3,519,950.60	1,775,132.75	
369	1972	49.5	3,042,283.82	37	0.60	-30%	2,992,582.36	3,890,357.07	1.200	3,954,968.97	1,838,954.09	
369	1971	50.5	2,174,831.38	37	0.28	-30%	2,158,373.20	2,805,885.16	1.200	2,827,280.79	608,952.79	
369	1970	51.5	3,178,399.37	37	0.00	-30%	3,178,399.37	4,131,919.18	1.200	4,131,919.18	0.00	
369	1969	52.5	2,971,240.71	37	0.00	-30%	2,971,240.71	3,862,612.92	1.200	3,862,612.92	0.00	
369	1968	53.5	5,897,830.19	37	0.00	-30%	5,897,830.19	7,667,179.25	1.200	7,667,179.25	0.00	
369	1967	54.5	3,391,965.25	37	0.00	-30%	3,391,965.25	4,409,554.83	1.200	4,409,554.83	0.00	
369	1966	55.5	4,894,279.86	37	0.00	-30%	4,894,279.86	6,362,563.82	1.200	6,362,563.82	0.00	
369	1965	56.5	5,965,364.38	37	0.00	-30%	5,965,364.38	7,754,973.69	1.200	7,754,973.69	0.00	
369	1964	57.5	18,905.75	37	0.00	-30%	18,905.75	24,577.48	1.200	24,577.48	0.00	
369	1963	58.5	13,832.12	37	0.00	-30%	13,832.12	17,981.76	1.200	17,981.76	0.00	
369	1962	59.5	24,391.09	37	0.00	-30%	24,391.09	31,708.42	1.200	31,708.42	0.00	
369	1961	60.5	15,973.87	37	0.00	-30%	15,973.87	20,766.03	1.200	20,766.03	0.00	
369	1960	61.5	11,588.37	37	0.00	-30%	11,588.37	15,064.88	1.200	15,064.88	0.00	
369	1959	62.5	11,026.45	37	0.00	-30%	11,026.45	14,334.39	1.200	14,334.39	0.00	
369	1958	63.5	13,276.14	37	0.00	-30%	13,276.14	17,258.98	1.200	17,258.98	0.00	
369	1957	64.5	5,721.73	37	0.00	-30%	5,721.73	7,438.25	1.200	7,438.25	0.00	
369	1956	65.5	6,418.90	37	0.00	-30%	6,418.90	8,344.57	1.200	8,344.57	0.00	
369	1955	66.5	4,859.46	37	0.00	-30%	4,859.46	6,317.30	1.200	6,317.30	0.00	
369	1954	67.5	4,195.40	37	0.00	-30%	4,195.40	5,454.02	1.200	5,454.02	0.00	
369	1953	68.5	5,178.64	37	0.00	-30%	5,178.64	6,732.23	1.200	6,732.23	0.00	
369	1952	69.5	3,458.07	37	0.00	-30%	3,458.07	4,495.49	1.200	4,495.49	0.00	
369	1951	70.5	2,531.08	37	0.00	-30%	2,531.08	3,290.40	1.200	3,290.40	0.00	
369	1950	71.5	3,416.71	37	0.00	-30%	3,416.71	4,441.72	1.200	4,441.72	0.00	
369	1949	72.5	4,513.93	37	0.00	-30%	4,513.93	5,868.11	1.200	5,868.11	0.00	
369	1948	73.5	3,624.11	37	0.00	-30%	3,624.11	4,711.34	1.200	4,711.34	0.00	
369	1947	74.5	3,344.68	37	0.00	-30%	3,344.68	4,348.08	1.200	4,348.08	0.00	
369	1946	75.5	5,119.61	37	0.00	-30%	5,119.61	6,655.49	1.200	6,655.49	0.00	
369	1945	76.5	2,221.26	37	0.00	-30%	2,221.26	2,887.64	1.200	2,887.64	0.00	
369	1944	77.5	1,022.34	37	0.00	-30%	1,022.34	1,329.04	1.200	1,329.04	0.00	
369	1943	78.5	265.22	37	0.00	-30%	265.22	344.79	1.200	344.79	0.00	
369	1942	79.5	26.52	37	0.00	-30%	26.52	34.48	1.200	34.48	0.00	
369	1941	80.5	53.04	37	0.00	-30%	53.04	68.95	1.200	68.95	0.00	
369	1940	81.5	53.04	37	0.00	-30%	53.04	68.95	1.200	68.95	0.00	
369	1939	82.5	26.52	37	0.00	-30%	26.52	34.48	1.200	34.48	0.00	
369	1938	83.5	106.09	37	0.00	-30%	106.09	137.92	1.200	137.92	0.00	
369	1937	84.5	127.30	37	0.00	-30%	127.30	165.49	1.200	165.49	0.00	
369	1930	91.5	9,121.19	37	0.00	-30%	9,121.19	11,857.55	1.200	11,857.55	0.00	
369	1921	100.5	31.04	37	0.00	-30%	31.04	40.35	1.200	40.35	0.00	
369	1908	113.5	3,900.67	37	0.00	-30%	3,900.67	5,070.87	1.200	5,070.87	0.00	
369 Total			1,652,238,990.36				718,556,093.71	934,122,921.82		1,097,314,112.99	34,546,267,176.23	20.91
371	2021	0.5	855,252.23	25	24.50	-60%	17,105.04	27,368.07	1.200	32,849.62	20,953,679.64	
371	2020	1.5	1,078,061.30	25	23.50	-60%	64,683.68	103,493.88	1.200	124,222.66	25,334,440.55	
371	2019	2.5	824,607.39	25	22.50	-60%	82,460.74	131,937.18	1.200	158,362.86	18,553,666.28	
371	2018	3.5	802,244.81	25	21.50	-60%	112,314.27	179,702.84	1.200	215,695.49	17,248,263.42	
371	2017	4.5	606,530.57	25	20.50	-60%	109,175.50	174,680.80	1.200	209,667.59	12,433,876.69	
371	2016	5.5	844,071.73	25	19.50	-60%	185,695.78	297,113.25	1.200	356,622.01	16,459,398.74	
371	2015	6.5	733,735.90	25	18.50	-60%	190,771.33	305,234.13	1.200	366,369.43	13,574,114.15	
371	2014	7.5	612,548.34	25	17.50	-60%	183,764.50	294,023.20	1.200	352,913.06	10,719,595.95	
371	2013	8.5	642,263.64	25	16.50	-60%	218,369.64	349,391.42	1.200	419,370.97	10,597,350.06	

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

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
371	2012	9.5	621,827.95	25	15.50	-60%	236,294.62	378,071.39	1.200	453,795.25	9,638,333.23	
371	2011	10.5	504,678.45	25	14.50	-60%	211,964.95	339,143.92	1.200	407,071.00	7,317,837.53	
371	2010	11.5	552,052.63	25	13.50	-60%	253,944.21	406,310.74	1.200	487,690.65	7,452,710.51	
371	2009	12.5	667,160.32	25	12.50	-60%	333,580.16	533,728.26	1.200	640,628.60	8,339,504.00	
371	2008	13.5	664,886.44	25	11.50	-60%	359,038.68	574,461.88	1.200	689,520.76	7,646,194.06	
371	2007	14.5	708,284.66	25	10.50	-60%	410,805.10	657,288.16	1.200	788,936.30	7,436,988.93	
371	2006	15.5	618,162.85	25	9.50	-60%	383,260.97	613,217.55	1.200	736,038.79	5,872,547.08	
371	2005	16.5	676,639.51	25	8.50	-60%	446,581.86	714,530.98	1.200	857,644.27	5,751,441.25	
371	2004	17.5	1,127,342.71	25	7.50	-60%	789,133.90	1,262,614.24	1.200	1,515,503.04	8,455,220.26	
371	2003	18.5	534,047.88	25	6.50	-60%	395,166.34	632,266.14	1.200	758,902.62	3,472,038.59	
371	2002	19.5	148,267.75	25	5.51	-60%	115,594.83	184,951.73	1.200	221,995.69	816,822.90	
371	2001	20.5	641,215.05	25	4.54	-60%	524,721.69	839,554.70	1.200	1,007,708.98	2,912,333.99	
371	2000	21.5	2,902,436.00	25	3.64	-60%	2,479,918.76	3,967,870.01	1.200	4,643,897.60	10,562,931.12	
371	1999	22.5	6,872,961.55	25	2.85	-60%	6,088,766.26	9,742,026.01	1.200	10,996,738.48	19,604,882.27	
371	1998	23.5	5,350,398.05	25	2.22	-60%	4,876,071.14	7,801,713.82	1.200	8,560,636.88	11,858,172.80	
371	1997	24.5	4,245,607.33	25	1.73	-60%	3,951,318.98	6,322,110.37	1.200	6,792,971.73	7,357,208.70	
371	1996	25.5	2,922,003.88	25	1.38	-60%	2,760,799.73	4,417,279.57	1.200	4,675,206.21	4,030,103.72	
371	1995	26.5	2,153,627.06	25	1.12	-60%	2,056,757.60	3,290,812.17	1.200	3,445,803.30	2,421,736.40	
371	1994	27.5	1,915,555.35	25	0.94	-60%	1,843,438.98	2,949,502.37	1.200	3,064,888.56	1,802,909.20	
371	1993	28.5	1,351,659.40	25	0.81	-60%	1,307,945.06	2,092,712.09	1.200	2,162,655.04	1,092,858.53	
371	1992	29.5	1,004,049.32	25	0.71	-60%	975,456.93	1,560,731.08	1.200	1,608,478.91	714,809.82	
371	1991	30.5	721,990.98	25	0.64	-60%	703,464.78	1,125,543.64	1.200	1,155,185.57	463,155.05	
371	1990	31.5	1,152,900.22	25	0.59	-60%	1,125,665.12	1,801,064.19	1.200	1,844,640.35	680,877.51	
371	1989	32.5	587,615.76	25	0.55	-60%	574,581.38	919,330.22	1.200	940,185.22	325,859.38	
371	1988	33.5	334,869.69	25	0.50	-60%	328,172.30	525,075.67	1.200	535,791.50	167,434.85	
371	1987	34.5	1,669,578.67	25	0.00	-60%	1,669,578.67	2,671,325.87	1.200	2,671,325.87	0.00	
371	1986	35.5	690,030.07	25	0.00	-60%	690,030.07	1,104,048.11	1.200	1,104,048.11	0.00	
371	1985	36.5	748,547.13	25	0.00	-60%	748,547.13	1,197,675.41	1.200	1,197,675.41	0.00	
371	1984	37.5	488,576.59	25	0.00	-60%	488,576.59	781,722.54	1.200	781,722.54	0.00	
371	1983	38.5	463,848.56	25	0.00	-60%	463,848.56	742,157.70	1.200	742,157.70	0.00	
371	1982	39.5	475,321.26	25	0.00	-60%	475,321.26	760,514.02	1.200	760,514.02	0.00	
371	1981	40.5	387,875.22	25	0.00	-60%	387,875.22	620,600.35	1.200	620,600.35	0.00	
371	1980	41.5	292,144.18	25	0.00	-60%	292,144.18	467,430.69	1.200	467,430.69	0.00	
371	1979	42.5	232,298.20	25	0.00	-60%	232,298.20	371,677.12	1.200	371,677.12	0.00	
371	1978	43.5	213,087.43	25	0.00	-60%	213,087.43	340,939.89	1.200	340,939.89	0.00	
371	1977	44.5	196,042.12	25	0.00	-60%	196,042.12	313,667.39	1.200	313,667.39	0.00	
371	1976	45.5	209,644.25	25	0.00	-60%	209,644.25	335,430.80	1.200	335,430.80	0.00	
371	1975	46.5	103,790.69	25	0.00	-60%	103,790.69	166,065.10	1.200	166,065.10	0.00	
371	1974	47.5	81,080.96	25	0.00	-60%	81,080.96	129,729.54	1.200	129,729.54	0.00	
371	1973	48.5	120,821.98	25	0.00	-60%	120,821.98	193,315.17	1.200	193,315.17	0.00	
371	1972	49.5	158,377.17	25	0.00	-60%	158,377.17	253,403.47	1.200	253,403.47	0.00	
371	1971	50.5	184,502.66	25	0.00	-60%	184,502.66	295,204.26	1.200	295,204.26	0.00	
371	1970	51.5	216,733.35	25	0.00	-60%	216,733.35	346,773.36	1.200	346,773.36	0.00	
371	1969	52.5	297,183.18	25	0.00	-60%	297,183.18	475,493.09	1.200	475,493.09	0.00	
371	1968	53.5	912,915.81	25	0.00	-60%	912,915.81	1,460,665.30	1.200	1,460,665.30	0.00	
371	1967	54.5	190,637.92	25	0.00	-60%	190,637.92	305,020.67	1.200	305,020.67	0.00	
371	1966	55.5	77,189.63	25	0.00	-60%	77,189.63	123,503.41	1.200	123,503.41	0.00	
371	1965	56.5	95,476.85	25	0.00	-60%	95,476.85	152,762.96	1.200	152,762.96	0.00	
371	1964	57.5	52,610.31	25	0.00	-60%	52,610.31	84,176.50	1.200	84,176.50	0.00	
371	1963	58.5	31,935.78	25	0.00	-60%	31,935.78	51,097.25	1.200	51,097.25	0.00	
371	1962	59.5	54,719.08	25	0.00	-60%	54,719.08	87,550.53	1.200	87,550.53	0.00	
371	1961	60.5	3,992.02	25	0.00	-60%	3,992.02	6,387.23	1.200	6,387.23	0.00	
371	1960	61.5	3.25	25	0.00	-60%	3.25	5.20	1.200	5.20	0.00	

2022 RATE CASE
ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF DISTRIBUTION PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
371	1959	62.5	4.73	25	0.00	-60%	4.73	7.57	1.200	7.57		0.00
371	1958	63.5	2,187.37	25	0.00	-60%	2,187.37	3,499.79	1.200	3,499.79		0.00
371	1957	64.5	2.54	25	0.00	-60%	2.54	4.06	1.200	4.06		0.00
371	1956	65.5	2.30	25	0.00	-60%	2.30	3.68	1.200	3.68		0.00
371	1955	66.5	2.57	25	0.00	-60%	2.57	4.11	1.200	4.11		0.00
371	1954	67.5	85.44	25	0.00	-60%	85.44	136.70	1.200	136.70		0.00
371	1953	68.5	0.56	25	0.00	-60%	0.56	0.90	1.200	0.90		0.00
371	1952	69.5	1.02	25	0.00	-60%	1.02	1.63	1.200	1.63		0.00
371	1951	70.5	71.28	25	0.00	-60%	71.28	114.05	1.200	114.05		0.00
371	1950	71.5	0.17	25	0.00	-60%	0.17	0.27	1.200	0.27		0.00
371	1949	72.5	0.21	25	0.00	-60%	0.21	0.34	1.200	0.34		0.00
371	1948	73.5	0.21	25	0.00	-60%	0.21	0.34	1.200	0.34		0.00
371	1947	74.5	0.42	25	0.00	-60%	0.42	0.67	1.200	0.67		0.00
371	1946	75.5	0.16	25	0.00	-60%	0.16	0.26	1.200	0.26		0.00
371	1944	77.5	0.05	25	0.00	-60%	0.05	0.08	1.200	0.08		0.00
371	1943	78.5	0.05	25	0.00	-60%	0.05	0.08	1.200	0.08		0.00
371	1939	82.5	0.05	25	0.00	-60%	0.05	0.08	1.200	0.08		0.00
371	1937	84.5	0.16	25	0.00	-60%	0.16	0.26	1.200	0.26		0.00
371	1935	86.5	0.11	25	0.00	-60%	0.11	0.18	1.200	0.18		0.00
371	1908	113.5	216.51	25	0.00	-60%	216.51	346.42	1.200	346.42		0.00
371 Total			54,631,096.93				43,348,325.05	69,357,320.07		75,069,053.35	282,069,297.11	5.16
373	2021	0.5	27,803,418.21	25	24.50	-40%	556,068.36	778,495.71	1.200	934,420.49	681,183,746.15	
373	2020	1.5	26,318,197.87	25	23.50	-40%	1,579,091.87	2,210,728.62	1.200	2,653,515.09	618,477,649.95	
373	2019	2.5	27,830,905.43	25	22.50	-40%	2,783,090.54	3,896,326.76	1.200	4,676,721.41	626,195,372.18	
373	2018	3.5	22,980,743.69	25	21.50	-40%	3,217,304.12	4,504,225.76	1.200	5,406,376.40	494,085,989.34	
373	2017	4.5	16,385,125.85	25	20.50	-40%	2,949,322.65	4,129,051.71	1.200	4,956,058.81	335,895,079.93	
373	2016	5.5	14,470,689.10	25	19.50	-40%	3,183,551.60	4,456,972.24	1.200	5,349,658.48	282,178,437.45	
373	2015	6.5	14,746,573.92	25	18.50	-40%	3,834,109.22	5,367,752.91	1.200	6,442,859.26	272,811,617.52	
373	2014	7.5	10,849,010.81	25	17.50	-40%	3,254,703.24	4,556,584.54	1.200	5,469,222.11	189,857,689.18	
373	2013	8.5	11,171,535.33	25	16.50	-40%	3,798,322.01	5,317,650.82	1.200	6,382,722.23	184,330,332.95	
373	2012	9.5	9,294,238.73	25	15.50	-40%	3,531,810.72	4,944,535.00	1.200	5,934,875.11	144,060,700.32	
373	2011	10.5	7,833,537.05	25	14.50	-40%	3,290,085.56	4,606,119.79	1.200	5,528,678.76	113,586,287.23	
373	2010	11.5	7,879,236.17	25	13.50	-40%	3,624,448.64	5,074,228.09	1.200	6,090,544.41	106,369,688.30	
373	2009	12.5	7,805,570.00	25	12.50	-40%	3,902,785.00	5,463,899.00	1.200	6,558,262.43	97,569,625.00	
373	2008	13.5	9,138,185.36	25	11.50	-40%	4,934,620.09	6,908,468.13	1.200	8,292,164.08	105,089,131.64	
373	2007	14.5	8,417,118.93	25	10.50	-40%	4,881,928.98	6,834,700.57	1.200	8,203,621.63	88,379,748.77	
373	2006	15.5	8,982,008.46	25	9.50	-40%	5,568,845.25	7,796,383.34	1.200	9,357,919.68	85,329,080.37	
373	2005	16.5	10,325,103.70	25	8.50	-40%	6,814,565.14	9,540,391.19	1.200	11,451,234.58	87,763,464.05	
373	2004	17.5	8,433,450.39	25	7.50	-40%	5,903,370.41	8,264,718.57	1.200	9,920,057.70	63,251,999.57	
373	2003	18.5	10,195,148.28	25	6.50	-40%	7,543,854.30	10,561,396.01	1.200	12,676,736.29	66,282,349.61	
373	2002	19.5	12,548,065.94	25	5.51	-40%	9,782,920.42	13,696,088.59	1.200	16,439,275.93	69,128,637.91	
373	2001	20.5	11,833,827.16	25	4.54	-40%	9,683,905.25	13,557,467.35	1.200	16,272,890.26	53,748,047.74	
373	2000	21.5	17,179,535.85	25	3.64	-40%	14,678,653.78	20,550,115.29	1.200	24,051,350.19	62,522,051.74	
373	1999	22.5	24,127,946.25	25	2.85	-40%	21,374,981.36	29,924,973.91	1.200	33,779,124.75	68,824,122.20	
373	1998	23.5	21,177,755.27	25	2.22	-40%	19,300,291.36	27,020,407.90	1.200	29,648,857.38	46,936,597.85	
373	1997	24.5	12,311,653.97	25	1.73	-40%	11,458,259.86	16,041,563.80	1.200	17,236,315.56	21,334,852.85	
373	1996	25.5	7,551,460.89	25	1.38	-40%	7,134,854.04	9,988,795.66	1.200	10,572,045.25	10,415,171.20	
373	1995	26.5	6,620,006.82	25	1.12	-40%	6,322,241.03	8,851,137.44	1.200	9,268,009.55	7,444,144.71	
373	1994	27.5	6,537,946.37	25	0.94	-40%	6,291,807.33	8,808,530.27	1.200	9,153,124.92	6,153,475.90	
373	1993	28.5	3,327,729.44	25	0.81	-40%	3,220,106.54	4,508,149.16	1.200	4,658,821.22	2,690,572.41	
373	1992	29.5	4,937,193.65	25	0.71	-40%	4,796,596.79	6,715,235.51	1.200	6,912,071.11	3,514,921.46	
373	1991	30.5	2,141,857.14	25	0.64	-40%	2,086,897.34	2,921,656.28	1.200	2,998,600.00	1,373,994.93	
373	1990	31.5	4,698,653.91	25	0.59	-40%	4,587,657.04	6,422,719.86	1.200	6,578,115.47	2,774,921.63	

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ONCOR ELECTRIC DELIVERY LLC
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FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
373	1989	32.5	4,033,496.41	25	0.55	-40%	3,944,026.20	5,521,636.68	1.200	5,646,894.97	2,236,755.27	
373	1988	33.5	1,874,577.86	25	0.50	-40%	1,837,086.30	2,571,920.82	1.200	2,624,409.00	937,288.93	
373	1987	34.5	2,205,464.97	25	0.00	-40%	2,205,464.97	3,087,650.96	1.200	3,087,650.96	0.00	
373	1986	35.5	3,405,554.79	25	0.00	-40%	3,405,554.79	4,767,776.71	1.200	4,767,776.71	0.00	
373	1985	36.5	3,292,662.36	25	0.00	-40%	3,292,662.36	4,609,727.30	1.200	4,609,727.30	0.00	
373	1984	37.5	3,305,085.90	25	0.00	-40%	3,305,085.90	4,627,120.26	1.200	4,627,120.26	0.00	
373	1983	38.5	1,499,015.42	25	0.00	-40%	1,499,015.42	2,098,621.59	1.200	2,098,621.59	0.00	
373	1982	39.5	1,780,086.36	25	0.00	-40%	1,780,086.36	2,492,120.90	1.200	2,492,120.90	0.00	
373	1981	40.5	2,619,654.24	25	0.00	-40%	2,619,654.24	3,667,515.94	1.200	3,667,515.94	0.00	
373	1980	41.5	1,493,424.22	25	0.00	-40%	1,493,424.22	2,090,793.91	1.200	2,090,793.91	0.00	
373	1979	42.5	1,185,748.07	25	0.00	-40%	1,185,748.07	1,660,047.30	1.200	1,660,047.30	0.00	
373	1978	43.5	1,471,150.01	25	0.00	-40%	1,471,150.01	2,059,610.01	1.200	2,059,610.01	0.00	
373	1977	44.5	919,043.44	25	0.00	-40%	919,043.44	1,286,660.82	1.200	1,286,660.82	0.00	
373	1976	45.5	1,485,604.62	25	0.00	-40%	1,485,604.62	2,079,846.47	1.200	2,079,846.47	0.00	
373	1975	46.5	1,321,416.90	25	0.00	-40%	1,321,416.90	1,849,983.66	1.200	1,849,983.66	0.00	
373	1974	47.5	1,250,081.64	25	0.00	-40%	1,250,081.64	1,750,114.30	1.200	1,750,114.30	0.00	
373	1973	48.5	1,027,599.55	25	0.00	-40%	1,027,599.55	1,438,639.37	1.200	1,438,639.37	0.00	
373	1972	49.5	1,006,796.32	25	0.00	-40%	1,006,796.32	1,409,514.85	1.200	1,409,514.85	0.00	
373	1971	50.5	509,981.20	25	0.00	-40%	509,981.20	713,973.68	1.200	713,973.68	0.00	
373	1970	51.5	861,495.16	25	0.00	-40%	861,495.16	1,206,093.22	1.200	1,206,093.22	0.00	
373	1969	52.5	1,309,210.81	25	0.00	-40%	1,309,210.81	1,832,895.13	1.200	1,832,895.13	0.00	
373	1968	53.5	1,135,612.17	25	0.00	-40%	1,135,612.17	1,589,857.04	1.200	1,589,857.04	0.00	
373	1967	54.5	522,196.96	25	0.00	-40%	522,196.96	731,075.74	1.200	731,075.74	0.00	
373	1966	55.5	179,427.99	25	0.00	-40%	179,427.99	251,199.19	1.200	251,199.19	0.00	
373	1965	56.5	1,802,037.62	25	0.00	-40%	1,802,037.62	2,522,852.67	1.200	2,522,852.67	0.00	
373	1964	57.5	14,122.36	25	0.00	-40%	14,122.36	19,771.30	1.200	19,771.30	0.00	
373	1963	58.5	2,911.16	25	0.00	-40%	2,911.16	4,075.62	1.200	4,075.62	0.00	
373	1962	59.5	865.29	25	0.00	-40%	865.29	1,211.41	1.200	1,211.41	0.00	
373	1961	60.5	242.63	25	0.00	-40%	242.63	339.68	1.200	339.68	0.00	
373	1960	61.5	12.75	25	0.00	-40%	12.75	17.85	1.200	17.85	0.00	
373	1959	62.5	0.47	25	0.00	-40%	0.47	0.66	1.200	0.66	0.00	
373	1958	63.5	2,565.03	25	0.00	-40%	2,565.03	3,591.04	1.200	3,591.04	0.00	
373	1957	64.5	375.99	25	0.00	-40%	375.99	526.39	1.200	526.39	0.00	
373	1956	65.5	364.22	25	0.00	-40%	364.22	509.91	1.200	509.91	0.00	
373	1955	66.5	27.30	25	0.00	-40%	27.30	38.22	1.200	38.22	0.00	
373	1954	67.5	136.56	25	0.00	-40%	136.56	191.18	1.200	191.18	0.00	
373	1953	68.5	38,849.71	25	0.00	-40%	38,849.71	54,389.59	1.200	54,389.59	0.00	
373	1952	69.5	352.21	25	0.00	-40%	352.21	493.09	1.200	493.09	0.00	
373	1951	70.5	77.98	25	0.00	-40%	77.98	109.17	1.200	109.17	0.00	
373	1950	71.5	118.94	25	0.00	-40%	118.94	166.52	1.200	166.52	0.00	
373	1940	81.5	15.29	25	0.00	-40%	15.29	21.41	1.200	21.41	0.00	
373	1908	113.5	185.22	25	0.00	-40%	185.22	259.31	1.200	259.31	0.00	
373 Total			437,411,078.04				237,301,736.19	332,222,430.67		372,034,957.87	5,002,733,546.19	11.44
370 D	2021	0.5	28,864,747.92	20	19.69	-7%	447,874.09	479,225.27	1.200	575,209.23	568,337,476.64	
370 D	2020	1.5	37,012,524.65	20	19.07	-7%	1,716,896.28	1,837,079.02	1.200	2,205,027.27	705,912,567.41	
370 D	2019	2.5	35,819,498.58	20	18.46	-7%	2,759,698.94	2,952,877.87	1.200	3,544,309.29	661,195,992.79	
370 D	2018	3.5	38,797,801.51	20	17.85	-7%	4,170,759.78	4,462,712.97	1.200	5,356,549.02	692,540,834.55	
370 D	2017	4.5	20,127,078.45	20	17.24	-7%	2,772,819.04	2,966,916.37	1.200	3,561,159.57	347,085,188.22	
370 D	2016	5.5	19,429,947.08	20	16.64	-7%	3,261,448.74	3,489,750.15	1.200	4,188,711.64	323,369,966.76	
370 D	2015	6.5	9,201,966.38	20	16.04	-7%	1,820,041.29	1,947,444.18	1.200	2,337,497.45	147,638,501.86	
370 D	2014	7.5	6,671,003.00	20	15.45	-7%	1,518,017.09	1,624,278.28	1.200	1,949,604.71	103,059,718.29	
370 D	2013	8.5	4,025,629.85	20	14.86	-7%	1,035,082.43	1,107,538.20	1.200	1,329,366.84	59,810,948.47	
370 D	2012	9.5	1,625.34	20	14.27	-7%	465.57	498.16	1.200	597.94	23,195.31	

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FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL	
370 D	2011	10.5	1,625.34		20	13.69	-7%	512.75	548.65	1,200	658.54	22,251.71	
370 D	2010	11.5	1,625.34		20	13.12	-7%	559.37	598.52	1,200	718.40	21,319.48	
370 D Total			199,955,073.44					19,504,175.36	20,869,467.64		25,049,409.89	3,609,017,961.50	18.05
Grand Total			12,849,779,644.37					2,978,537,803.85	4,295,607,146.61		5,096,075,605.74	495,799,819,905.10	
5,096,075,605.74 Reserve WO Meters													
0.00 Diff													
1.200289836 Prorate													
370 IDR	2021	0.5	9,386,819.73		20	19.69	-10%	145,648.71	160,213.58	1.324	212,140.89	184,823,420.38	
370 IDR	2020	1.5	10,529,871.03		20	19.07	-10%	488,448.07	537,292.88	1.324	711,436.51	200,828,459.11	
370 IDR	2019	2.5	10,881,315.07		20	18.46	-10%	838,346.57	922,181.22	1.324	1,221,072.18	200,859,370.06	
370 IDR	2018	3.5	8,779,813.47		20	17.85	-10%	943,829.07	1,038,211.98	1.324	1,374,710.01	156,719,688.00	
370 IDR	2017	4.5	9,248,954.00		20	17.24	-10%	1,274,187.70	1,401,606.47	1.324	1,855,885.40	159,495,326.06	
370 IDR	2016	5.5	6,935,404.72		20	16.64	-10%	1,016,935.67	1,088,121.17	1.324	1,953,905.52	329,280,733.12	
370 IDR	2015	6.5	5,646,408.50		20	16.04	-10%	1,116,793.54	1,228,472.89	1.324	1,626,636.97	90,592,299.23	
370 IDR	2014	7.5	4,760,768.96		20	15.45	-10%	1,083,334.64	1,191,668.10	1.324	1,577,903.27	73,548,686.43	
370 IDR	2013	8.5	6,001,105.50		20	14.86	-10%	1,543,022.85	1,697,325.13	1.324	2,247,450.34	89,161,653.01	
370 IDR	2012	9.5	4,328,545.42		20	14.27	-10%	1,239,900.58	1,363,890.64	1.324	1,805,945.38	61,772,896.77	
370 IDR	2011	10.5	6,110,429.41		20	13.69	-10%	1,927,689.55	2,120,458.51	1.324	2,807,726.75	83,654,797.18	
370 IDR	2010	11.5	4,597,077.86		20	13.12	-10%	1,582,099.29	1,740,309.21	1.324	2,304,366.12	60,299,571.48	
370 IDR	2009	12.5	2,719,164.30		20	12.55	-10%	1,012,698.50	1,113,968.35	1.324	1,475,020.01	34,129,316.08	
370 IDR	2008	13.5	2,597,740.74		20	11.99	-10%	1,039,769.63	1,143,746.59	1.324	1,514,449.78	31,159,422.19	
370 IDR	2007	14.5	2,669,515.49		20	11.45	-10%	1,141,485.22	1,255,633.75	1.324	1,662,601.01	30,560,605.32	
370 IDR	2006	15.5	3,838,871.62		20	10.91	-10%	1,744,457.74	1,918,903.51	1.324	2,540,845.16	41,888,277.64	
370 IDR	2005	16.5	2,375,974.07		20	10.39	-10%	1,142,108.64	1,256,319.50	1.324	1,663,509.03	24,677,308.62	
370 IDR	2004	17.5	2,893,096.30		20	9.87	-10%	1,465,050.95	1,611,556.04	1.324	2,133,882.36	28,580,907.05	
370 IDR	2003	18.5	2,054,156.84		20	9.37	-10%	1,091,830.48	1,201,013.52	1.324	1,590,277.66	19,246,527.27	
370 IDR	2002	19.5	2,849,558.14		20	8.88	-10%	1,584,546.10	1,743,000.71	1.324	2,307,929.96	25,300,240.78	
370 IDR	2001	20.5	3,732,133.01		20	8.40	-10%	2,164,759.56	2,381,235.52	1.324	3,153,024.99	31,347,469.00	
370 IDR	2000	21.5	3,815,662.08		20	7.93	-10%	2,302,477.34	2,532,725.07	1.324	3,353,614.29	30,263,694.85	
370 IDR	1999	22.5	3,509,632.29		20	7.47	-10%	2,197,971.62	2,417,768.79	1.324	3,201,399.17	26,233,213.33	
370 IDR	1998	23.5	3,637,993.37		20	7.03	-10%	2,359,513.91	2,595,465.31	1.324	3,436,689.45	25,569,589.11	
370 IDR	1997	24.5	3,439,836.77		20	6.59	-10%	2,305,990.89	2,536,589.98	1.324	3,358,731.87	22,676,917.52	
370 IDR	1996	25.5	2,745,872.52		20	6.17	-10%	1,899,347.62	2,089,282.38	1.324	2,766,446.04	16,930,498.04	
370 IDR	1995	26.5	3,549,724.19		20	5.75	-10%	2,529,582.98	2,782,541.27	1.324	3,684,399.18	20,402,824.27	
370 IDR	1994	27.5	1,157,238.27		20	5.34	-10%	848,418.01	933,259.81	1.324	1,235,741.49	6,176,405.15	
370 IDR	1993	28.5	1,066,455.33		20	4.93	-10%	803,413.48	883,754.83	1.324	1,170,191.29	5,260,836.94	
370 IDR	1992	29.5	812,357.83		20	4.53	-10%	628,207.56	691,028.32	1.324	893,593.61	3,683,005.38	
370 IDR	1991	30.5	1,138,709.64		20	4.14	-10%	903,134.13	993,447.54	1.324	1,252,580.60	4,711,510.20	
370 IDR	1990	31.5	1,813,108.54		20	3.74	-10%	1,473,830.15	1,621,213.17	1.324	1,994,419.39	6,785,567.78	
370 IDR	1989	32.5	7,264,825.04		20	3.35	-10%	6,049,435.43	6,654,378.97	1.324	7,991,307.54	24,307,792.20	
370 IDR	1988	33.5	1,634,227.81		20	2.94	-10%	1,393,593.24	1,532,952.56	1.324	1,797,650.59	4,812,691.41	
370 IDR	1987	34.5	1,475,573.51		20	2.54	-10%	1,288,474.85	1,417,322.33	1.324	1,623,130.86	3,741,973.26	
370 IDR	1986	35.5	1,317,838.80		20	2.12	-10%	1,178,465.49	1,296,312.03	1.324	1,449,622.68	2,787,466.27	
370 IDR	1985	36.5	1,844,551.68		20	1.68	-10%	1,689,690.78	1,858,659.85	1.324	2,029,006.85	3,097,218.08	
370 IDR	1984	37.5	1,265,328.66		20	1.23	-10%	1,187,711.57	1,306,482.72	1.324	1,391,861.53	1,552,341.89	
370 IDR	1983	38.5	737,190.73		20	0.77	-10%	708,879.29	779,767.22	1.324	810,909.80	566,228.83	
370 IDR	1982	39.5	961,067.86		20	0.35	-10%	944,376.18	1,038,813.80	1.324	1,057,174.65	333,833.65	

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Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
370 IDR	1981	40.5	1,034,345.74	20	0.00	-10%	1,034,345.74	1,137,780.31	1.324	1,137,780.31	0.00	0.00
370 IDR	1980	41.5	831,491.54	20	0.00	-10%	831,491.54	914,640.69	1.324	914,640.69	0.00	0.00
370 IDR	1979	42.5	565,036.94	20	0.00	-10%	565,036.94	621,540.63	1.324	621,540.63	0.00	0.00
370 IDR	1978	43.5	412,506.57	20	0.00	-10%	412,506.57	453,757.23	1.324	453,757.23	0.00	0.00
370 IDR	1977	44.5	381,110.45	20	0.00	-10%	381,110.45	419,221.50	1.324	419,221.50	0.00	0.00
370 IDR	1976	45.5	310,036.83	20	0.00	-10%	310,036.83	341,040.51	1.324	341,040.51	0.00	0.00
370 IDR	1975	46.5	355,545.09	20	0.00	-10%	355,545.09	391,099.60	1.324	391,099.60	0.00	0.00
370 IDR	1974	47.5	408,499.89	20	0.00	-10%	408,499.89	449,349.88	1.324	449,349.88	0.00	0.00
370 IDR	1973	48.5	313,262.00	20	0.00	-10%	313,262.00	344,588.20	1.324	344,588.20	0.00	0.00
370 IDR	1972	49.5	204,407.59	20	0.00	-10%	204,407.59	224,848.35	1.324	224,848.35	0.00	0.00
370 IDR	1971	50.5	188,534.34	20	0.00	-10%	188,534.34	207,387.77	1.324	207,387.77	0.00	0.00
370 IDR	1970	51.5	197,441.34	20	0.00	-10%	197,441.34	217,185.47	1.324	217,185.47	0.00	0.00
370 IDR	1969	52.5	196,273.52	20	0.00	-10%	196,273.52	215,900.87	1.324	215,900.87	0.00	0.00
370 IDR	1968	53.5	147,271.23	20	0.00	-10%	147,271.23	161,998.35	1.324	161,998.35	0.00	0.00
370 IDR	1967	54.5	172,946.35	20	0.00	-10%	172,946.35	190,240.99	1.324	190,240.99	0.00	0.00
370 IDR	1966	55.5	123,134.02	20	0.00	-10%	123,134.02	135,447.42	1.324	135,447.42	0.00	0.00
370 IDR	1965	56.5	712,255.62	20	0.00	-10%	712,255.62	783,481.18	1.324	783,481.18	0.00	0.00
370 IDR	1964	57.5	43,734.08	20	0.00	-10%	43,734.08	48,107.49	1.324	48,107.49	0.00	0.00
370 IDR	1963	58.5	44,256.95	20	0.00	-10%	44,256.95	48,682.65	1.324	48,682.65	0.00	0.00
370 IDR	1962	59.5	27,796.27	20	0.00	-10%	27,796.27	30,575.90	1.324	30,575.90	0.00	0.00
370 IDR	1961	60.5	24,697.85	20	0.00	-10%	24,697.85	27,167.64	1.324	27,167.64	0.00	0.00
370 IDR	1960	61.5	19,450.11	20	0.00	-10%	19,450.11	21,395.12	1.324	21,395.12	0.00	0.00
370 IDR	1959	62.5	19,893.35	20	0.00	-10%	19,893.35	21,882.69	1.324	21,882.69	0.00	0.00
370 IDR	1958	63.5	17,956.71	20	0.00	-10%	17,956.71	19,752.38	1.324	19,752.38	0.00	0.00
370 IDR	1957	64.5	13,572.28	20	0.00	-10%	13,572.28	14,929.51	1.324	14,929.51	0.00	0.00
370 IDR	1956	65.5	15,528.42	20	0.00	-10%	15,528.42	17,081.26	1.324	17,081.26	0.00	0.00
370 IDR	1955	66.5	11,923.63	20	0.00	-10%	11,923.63	13,115.99	1.324	13,115.99	0.00	0.00
370 IDR	1954	67.5	12,435.28	20	0.00	-10%	12,435.28	13,678.81	1.324	13,678.81	0.00	0.00
370 IDR	1953	68.5	12,431.38	20	0.00	-10%	12,431.38	13,674.52	1.324	13,674.52	0.00	0.00
370 IDR	1952	69.5	10,162.50	20	0.00	-10%	10,162.50	11,178.75	1.324	11,178.75	0.00	0.00
370 IDR	1951	70.5	5,375.72	20	0.00	-10%	5,375.72	5,913.29	1.324	5,913.29	0.00	0.00
370 IDR	1950	71.5	6,081.00	20	0.00	-10%	6,081.00	6,889.10	1.324	6,889.10	0.00	0.00
370 IDR	1949	72.5	9,816.86	20	0.00	-10%	9,816.86	10,798.55	1.324	10,798.55	0.00	0.00
370 IDR	1948	73.5	5,241.20	20	0.00	-10%	5,241.20	5,765.32	1.324	5,765.32	0.00	0.00
370 IDR	1947	74.5	6,383.07	20	0.00	-10%	6,383.07	7,021.38	1.324	7,021.38	0.00	0.00
370 IDR	1946	75.5	5,423.04	20	0.00	-10%	5,423.04	5,965.34	1.324	5,965.34	0.00	0.00
370 IDR	1945	76.5	1,707.57	20	0.00	-10%	1,707.57	1,878.33	1.324	1,878.33	0.00	0.00
370 IDR	1944	77.5	20.47	20	0.00	-10%	20.47	22.52	1.324	22.52	0.00	0.00
370 IDR	1943	78.5	733.87	20	0.00	-10%	733.87	807.26	1.324	807.26	0.00	0.00
370 IDR	1942	79.5	428.08	20	0.00	-10%	428.08	470.89	1.324	470.89	0.00	0.00
370 IDR	1941	80.5	623.67	20	0.00	-10%	623.67	686.04	1.324	686.04	0.00	0.00
370 IDR	1940	81.5	364.95	20	0.00	-10%	364.95	401.45	1.324	401.45	0.00	0.00
370 IDR	1939	82.5	553.01	20	0.00	-10%	553.01	608.31	1.324	608.31	0.00	0.00
370 IDR	1938	83.5	486.49	20	0.00	-10%	486.49	535.14	1.324	535.14	0.00	0.00
370 IDR	1936	85.5	193.72	20	0.00	-10%	193.72	213.09	1.324	213.09	0.00	0.00
370 IDR	1935	86.5	70.55	20	0.00	-10%	70.55	77.61	1.324	77.61	0.00	0.00
370 IDR	1934	87.5	179.54	20	0.00	-10%	179.54	197.49	1.324	197.49	0.00	0.00
370 IDR	1933	88.5	110.81	20	0.00	-10%	110.81	121.89	1.324	121.89	0.00	0.00
370 IDR	1932	89.5	21.16	20	0.00	-10%	21.16	23.28	1.324	23.28	0.00	0.00
370 IDR	1931	90.5	218.31	20	0.00	-10%	218.31	240.14	1.324	240.14	0.00	0.00
370 IDR	1930	91.5	253.02	20	0.00	-10%	253.02	278.32	1.324	278.32	0.00	0.00
370 IDR	1929	92.5	189.34	20	0.00	-10%	189.34	208.27	1.324	208.27	0.00	0.00
370 IDR	1928	93.5	65.56	20	0.00	-10%	65.56	72.12	1.324	72.12	0.00	0.00

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FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL
370 IDR	1926	95.5	149.11	20	0.00	-10%	149.11	164.02	1.324	164.02		0.00
370 IDR	1925	96.5	102.03	20	0.00	-10%	102.03	112.23	1.324	112.23		0.00
370 IDR	1924	97.5	11.47	20	0.00	-10%	11.47	12.62	1.324	12.62		0.00
370 IDR	1923	98.5	11.47	20	0.00	-10%	11.47	12.62	1.324	12.62		0.00
370 IDR	1922	99.5	34.41	20	0.00	-10%	34.41	37.85	1.324	37.85		0.00
370 IDR	1919	102.5	137.67	20	0.00	-10%	137.67	151.44	1.324	151.44		0.00
			162,996,844.14				65,152,382.60	71,637,112.79		89,799,407.72	2,167,800,582.94	13.30
											89,799,407.72 Book Reserve	
											1.324 Proration Factor	
											0.00 Difference	
370 AMR	2009	12.5	1,071.91	Fully Accrued								
370 AMR	2008	13.5	3,794.84	Fully Accrued								
370 AMR	2007	14.5	4,247.81	Fully Accrued								
370 AMR	2006	15.5	16,002.40	Fully Accrued								
370 AMR	2005	16.5	7,719.99	Fully Accrued								
370 AMR	2004	17.5	1,436.92	Fully Accrued								
370 AMR	2003	18.5	21,522.08	Fully Accrued								
370 AMR	2002	19.5	20,581.50	Fully Accrued								
370 AMR	2001	20.5	1,234.77	Fully Accrued								
370 AMR	2000	21.5	3,327.29	Fully Accrued								
370 AMR	1999	22.5	685.41	Fully Accrued								
370 AMR	1998	23.5	680.43	Fully Accrued								
370 AMR	1997	24.5	374.13	Fully Accrued								
			82,679.48									

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CALCULATION OF GENERAL PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL	Asset to Retire
389	2011	10.5	18,900.00	65	55.70	0%	2,703.61	2,703.61	0.447	1,209.67	1,052,765.48		
389	1991	30.5	98,175.14	65	39.49	0%	38,533.99	38,533.99	0.447	17,241.20	3,876,674.84		
389	1990	31.5	8,840.36	65	38.74	0%	3,571.80	3,571.80	0.447	1,598.12	342,456.65		
389	1989	32.5	7,947.00	65	37.99	0%	3,301.80	3,301.80	0.447	1,477.32	301,938.02		
389	1980	41.5	4,180.20	65	31.61	0%	2,152.43	2,152.43	0.447	963.05	132,454.82		
389	1973	48.5	1,831.64	65	27.06	0%	1,069.09	1,069.09	0.447	478.34	49,566.04		
389	1968	53.5	416.10	65	24.06	0%	262.11	262.11	0.447	117.27	10,009.67		
389	1965	56.5	546.70	65	22.36	0%	358.67	358.67	0.447	160.48	12,222.23		
389	1958	63.5	865.94	65	18.71	0%	616.72	616.72	0.447	275.94	16,199.28		
389	1950	71.5	684.06	65	15.08	0%	525.32	525.32	0.447	235.04	10,318.19		
389	1948	73.5	201.06	65	14.27	0%	156.93	156.93	0.447	70.21	2,868.47		
389 Total			142,598.20					53,252.45		23,826.65	5,807,473.70	40.73	0.00
390	2021	0.5	32,270,301.25	60	59.63	-5%	199,656.35	209,639.17	0.447	93,798.49	1,924,238,693.77		
390	2020	1.5	17,240,891.29	60	58.89	-5%	319,210.79	335,171.33	0.447	149,965.12	1,015,300,829.86		
390	2019	2.5	9,334,018.15	60	58.15	-5%	287,318.35	301,884.26	0.447	134,982.06	542,801,988.20		
390	2018	3.5	9,852,886.03	60	57.42	-5%	423,511.69	444,887.28	0.447	198,965.65	565,762,460.35		
390	2017	4.5	8,211,936.70	60	56.69	-5%	452,651.53	475,284.11	0.447	212,655.54	465,557,110.11		
390	2016	5.5	16,512,436.69	60	55.97	-5%	1,109,667.12	1,165,150.48	0.447	521,321.25	924,166,174.25		
390	2015	6.5	16,970,273.93	60	55.25	-5%	1,344,405.75	1,411,626.04	0.447	631,601.38	937,552,090.93		
390	2014	7.5	5,967,911.09	60	54.53	-5%	544,157.71	571,365.80	0.447	255,645.11	325,425,202.56		
390	2013	8.5	3,507,251.47	60	53.81	-5%	361,552.32	379,629.94	0.447	169,857.16	188,741,948.73		
390	2012	9.5	1,641,229.58	60	53.10	-5%	188,637.07	198,068.93	0.447	88,621.64	87,155,550.35		
390	2011	10.5	30,175,545.59	60	52.40	-5%	3,824,155.95	4,015,363.74	0.447	1,796,587.20	1,581,083,378.68		
390	2010	11.5	4,510,079.90	60	51.69	-5%	624,536.10	655,762.90	0.447	293,406.85	233,132,628.28		
390	2009	12.5	1,043,248.21	60	50.99	-5%	156,662.95	164,496.10	0.447	73,600.20	53,195,115.64		
390	2008	13.5	1,457,402.85	60	50.29	-5%	235,823.16	247,614.31	0.447	110,789.64	73,294,781.60		
390	2007	14.5	1,368,102.26	60	49.60	-5%	237,240.88	249,102.92	0.447	111,455.69	67,851,682.80		
390	2006	15.5	385,645.10	60	48.90	-5%	71,328.69	74,895.13	0.447	33,510.20	18,858,984.44		
390	2005	16.5	8,951,698.91	60	48.21	-5%	1,758,691.35	1,846,625.92	0.447	826,232.62	431,580,453.67		
390	2004	17.5	686,783.44	60	47.52	-5%	142,803.25	149,943.41	0.447	67,088.92	32,638,811.58		
390	2003	18.5	656,092.16	60	46.84	-5%	143,916.23	151,112.04	0.447	67,811.80	30,730,555.69		
390	2002	19.5	2,601,028.51	60	46.16	-5%	600,145.54	630,152.82	0.447	281,948.18	120,052,978.27		
390	2001	20.5	1,193,891.79	60	45.48	-5%	289,011.93	303,462.53	0.447	135,777.71	54,292,791.47		
390	2000	21.5	977,149.44	60	44.80	-5%	247,582.39	259,961.51	0.447	116,314.12	43,774,023.04		
390	1999	22.5	5,195,506.13	60	44.12	-5%	1,374,843.23	1,443,585.39	0.447	645,900.90	229,239,773.91		
390	1998	23.5	3,534,517.79	60	43.45	-5%	974,917.38	1,023,663.25	0.447	458,015.86	153,576,024.45		
390	1997	24.5	376,283.32	60	42.78	-5%	107,986.60	113,385.93	0.447	50,732.07	16,097,803.43		
390	1996	25.5	3,186,896.82	60	42.12	-5%	949,958.12	997,456.02	0.447	446,290.01	134,216,322.11		
390	1995	26.5	2,053,788.62	60	41.45	-5%	634,885.40	666,629.67	0.447	298,268.95	85,132,993.46		
390	1994	27.5	3,675,894.32	60	40.79	-5%	1,176,733.72	1,235,570.41	0.447	552,829.11	149,949,635.85		
390	1993	28.5	216,134.21	60	40.14	-5%	71,551.01	75,128.56	0.447	33,614.64	8,674,991.75		
390	1992	29.5	2,828,960.99	60	39.48	-5%	967,270.70	1,015,634.24	0.447	454,423.46	111,701,417.19		
390	1991	30.5	642,187.02	60	38.84	-5%	226,510.56	237,836.09	0.447	106,414.59	24,940,587.76		
390	1990	31.5	1,605,498.78	60	38.19	-5%	583,512.83	612,688.47	0.447	274,134.14	61,319,156.88		
390	1989	32.5	526,012.23	60	37.55	-5%	196,765.75	206,625.04	0.447	92,449.88	19,753,588.71		
390	1988	33.5	5,799,347.76	60	36.92	-5%	2,230,978.25	2,342,527.16	0.447	1,048,112.85	214,102,170.60		
390	1987	34.5	2,745,708.01	60	36.29	-5%	1,085,108.38	1,139,363.80	0.447	509,783.56	99,635,977.70		
390	1986	35.5	3,853,881.99	60	35.66	-5%	1,607,807.35	1,688,197.72	0.447	755,347.36	141,352,478.32		
390	1985	36.5	5,745,026.71	60	35.04	-5%	2,389,841.68	2,509,333.76	0.447	1,122,746.83	201,311,101.77		
390	1984	37.5	6,440,725.47	60	34.43	-5%	2,745,349.03	2,882,616.49	0.447	1,289,764.07	221,722,586.17		
390	1983	38.5	7,022,245.44	60	33.81	-5%	3,064,735.55	3,217,972.33	0.447	1,439,811.75	237,450,593.53		
390	1982	39.5	6,562,018.88	60	33.21	-5%	2,930,119.70	3,076,825.68	0.447	1,376,569.27	217,913,950.91		
390	1981	40.5	904,321.43	60	32.61	-5%	412,850.51	433,493.04	0.447	193,957.03	29,488,255.17		
390	1980	41.5	2,067,831.99	60	32.01	-5%	964,539.16	1,012,766.12	0.447	453,140.18	66,197,569.28		
390	1979	42.5	983,696.66	60	31.42	-5%	468,509.47	491,934.94	0.447	220,105.59	30,911,231.34		
390	1978	43.5	1,223,459.98	60	30.84	-5%	594,606.51	624,336.83	0.447	279,345.94	37,731,208.48		
390	1977	44.5	893,589.24	60	30.26	-5%	442,903.38	465,048.55	0.447	208,075.86	27,041,151.52		
390	1976	45.5	561,103.59	60	29.69	-5%	283,463.73	297,836.91	0.447	133,171.17	16,658,391.83		
390	1975	46.5	1,251,050.73	60	29.12	-5%	643,835.87	676,027.66	0.447	302,473.88	36,432,891.68		
390	1974	47.5	1,296,418.01	60	28.56	-5%	679,312.32	713,277.94	0.447	319,140.70	37,026,341.39		
390	1973	48.5	547,855.67	60	28.01	-5%	292,143.16	306,750.32	0.447	137,248.76	15,342,750.63		
390	1972	49.5	805,839.06	60	27.46	-5%	437,091.79	458,946.38	0.447	205,345.58	22,124,835.99		
390	1971	50.5	738,147.80	60	26.91	-5%	407,067.08	427,420.44	0.447	191,239.98	19,864,831.13		
390	1970	51.5	375,041.24	60	26.37	-5%	210,186.91	220,696.26	0.447	98,745.74	9,891,259.66		
390	1969	52.5	414,100.71	60	25.84	-5%	235,748.76	247,536.19	0.447	110,754.69	10,701,117.25		

2022 RATE CASE
ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF GENERAL PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL	Asset to Retire
390	1968	53.5	284,619.70	60	25.32	-5%	164,531.96	172,758.56	0.447	77,297.06	7,205,264.40		
390	1967	54.5	468,316.10	60	24.79	-5%	274,784.83	288,524.07	0.447	129,093.82	11,611,876.16		
390	1966	55.5	254,943.45	60	24.28	-5%	151,774.52	159,363.25	0.447	71,303.62	6,190,135.57		
390	1965	56.5	1,017,669.59	60	23.77	-5%	614,599.29	645,329.26	0.447	286,738.55	24,196,217.74		
390	1964	57.5	468,488.45	60	23.27	-5%	286,806.13	301,146.44	0.447	134,741.43	10,900,939.17		
390	1963	58.5	451,112.07	60	22.77	-5%	279,907.19	293,902.55	0.447	131,500.31	10,272,292.79		
390	1962	59.5	28,430.90	60	22.28	-5%	17,873.92	18,767.61	0.447	8,397.16	633,419.04		
390	1961	60.5	84,397.82	60	21.79	-5%	53,742.82	56,429.97	0.447	25,248.36	1,839,299.75		
390	1960	61.5	77,301.67	60	21.31	-5%	49,842.98	52,335.13	0.447	23,416.21	1,647,521.53		
390	1959	62.5	115,036.47	60	20.84	-5%	75,084.40	78,838.62	0.447	35,274.63	2,397,124.10		
390	1958	63.5	9,935.54	60	20.37	-5%	6,562.65	6,890.78	0.447	3,063.13	202,373.31		
390	1957	64.5	537,776.94	60	19.90	-5%	359,370.84	377,339.38	0.447	168,832.30	10,704,368.10		
390	1956	65.5	23,715.49	60	19.45	-5%	16,029.16	16,830.62	0.447	7,530.49	461,179.77		
390	1955	66.5	8,555.78	60	18.99	-5%	5,847.41	6,139.78	0.447	2,747.11	162,502.48		
390	1954	67.5	1,566.67	60	18.55	-5%	1,082.42	1,136.54	0.447	508.52	29,054.83		
390	1953	68.5	32,049.25	60	18.10	-5%	22,379.42	23,498.39	0.447	10,513.84	580,189.75		
390	1952	69.5	81,248.43	60	17.67	-5%	57,326.48	60,192.80	0.447	26,931.96	1,435,317.13		
390	1951	70.5	35,083.27	60	17.23	-5%	25,008.39	26,256.71	0.447	11,747.99	604,612.66		
390	1950	71.5	5,374.86	60	16.81	-5%	3,869.31	4,062.78	0.447	1,817.80	90,332.94		
390	1949	72.5	18,904.93	60	16.38	-5%	13,742.46	14,429.58	0.447	6,456.20	309,748.26		
390	1948	73.5	1,388.35	60	15.97	-5%	1,018.88	1,069.82	0.447	478.67	22,168.35		
390	1947	74.5	1,261.68	60	15.56	-5%	934.58	981.31	0.447	439.07	19,625.74		
390	1945	76.5	112.95	60	14.75	-5%	85.19	89.45	0.447	40.02	1,665.48		
390	1941	80.5	22,451.86	60	13.18	-5%	17,519.31	18,395.28	0.447	8,230.57	295,952.74		
390	1940	81.5	423.34	60	12.80	-5%	333.01	349.66	0.447	156.45	5,419.65		
390	1939	82.5	77.23	60	12.43	-5%	61.23	64.30	0.447	28.77	959.72		
390	1938	83.5	720.36	60	12.06	-5%	575.61	604.39	0.447	270.42	8,684.83		
390	1930	91.5	71.53	60	9.24	-5%	60.51	63.54	0.447	28.43	661.04		
390	1929	92.5	477.48	60	8.91	-5%	406.59	426.92	0.447	191.02	4,253.46		
390	1928	93.5	5,077.30	60	8.58	-5%	4,351.38	4,568.95	0.447	2,044.28	43,555.15		
390	1927	94.5	9,007.95	60	8.25	-5%	7,769.06	8,157.52	0.447	3,649.90	74,333.13		
390	1926	95.5	107,753.69	60	7.93	-5%	93,511.83	98,187.43	0.447	43,931.83	854,511.33		
390 Total			253,852,225.83					47,838,643.43		21,404,360.85	12,497,498,782.22	49.23	0.00
393	2021	0.5	432,256.77	40	39.50	0%	5,403.21	5,403.21	0.447	2,417.55	17,074,142.42		
393	2020	1.5	290,093.87	40	38.50	0%	10,878.52	10,878.52	0.447	4,867.36	11,168,614.00		
393	2019	2.5	647,527.68	40	37.50	0%	40,470.48	40,470.48	0.447	18,107.64	24,282,288.00		
393	2018	3.5	429,943.43	40	36.50	0%	37,620.05	37,620.05	0.447	16,832.27	15,692,935.20		
393	2017	4.5	35,654.31	40	35.50	0%	4,011.11	4,011.11	0.447	1,794.68	1,265,728.01		
393	2016	5.5	118,750.67	40	34.50	0%	16,328.22	16,328.22	0.447	7,305.71	4,096,898.12		
393	2015	6.5	6,822.29	40	33.50	0%	1,108.62	1,108.62	0.447	496.03	228,546.72		
393	2014	7.5	19,739.51	40	32.50	0%	3,701.16	3,701.16	0.447	1,656.00	641,534.08		
393	2013	8.5	187,721.46	40	31.50	0%	39,890.81	39,890.81	0.447	17,848.28	5,913,225.99		
393	2012	9.5	131,450.09	40	30.50	0%	31,219.40	31,219.40	0.447	13,968.44	4,009,227.75		
393	2011	10.5	182,443.61	40	29.50	0%	47,891.45	47,891.45	0.447	21,427.99	5,382,086.50		
393	2010	11.5	9,687.79	40	28.50	0%	2,785.24	2,785.24	0.447	1,246.19	276,102.02		
393	2009	12.5	65,897.99	40	27.50	0%	20,593.12	20,593.12	0.447	9,213.94	1,812,194.73		
393	2008	13.5	117,277.33	40	26.50	0%	39,581.10	39,581.10	0.447	17,709.70	3,107,849.25		
393	2006	15.5	3,961.95	40	24.50	0%	1,535.26	1,535.26	0.447	686.92	97,067.78		
393	2005	16.5	46,587.55	40	23.50	0%	19,217.36	19,217.36	0.447	8,598.39	1,094,807.43		
393	2004	17.5	2,057.77	40	22.50	0%	900.27	900.27	0.447	402.81	46,299.83		
393	2003	18.5	27,530.09	40	21.50	0%	12,732.67	12,732.67	0.447	5,696.95	591,896.94		
393	2002	19.5	42,673.30	40	20.50	0%	20,803.23	20,803.23	0.447	9,307.95	874,802.65		
393	2001	20.5	13,240.35	40	19.50	0%	6,785.68	6,785.68	0.447	3,036.10	258,186.83		
393	1999	22.5	4,625.52	40	17.50	0%	2,601.86	2,601.86	0.447	1,164.14	80,946.60		
393	1998	23.5	76,548.37	40	16.50	0%	44,972.17	44,972.17	0.447	20,121.82	1,263,048.11		
393	1997	24.5	47,764.40	40	15.50	0%	29,255.70	29,255.70	0.447	13,089.82	740,348.20		
393	1996	25.5	129,065.40	40	14.50	0%	82,279.19	82,279.19	0.447	36,814.04	1,871,448.30		
393	1995	26.5	58,615.83	40	13.50	0%	38,832.99	38,832.99	0.447	17,374.98	791,313.71		
393	1994	27.5	12,046.46	40	12.50	0%	8,281.94	8,281.94	0.447	3,705.57	150,580.75		
393	1992	29.5	5,503.68	40	10.50	0%	4,058.96	4,058.96	0.447	1,816.10	57,788.64		
393	1991	30.5	52,771.88	40	9.50	0%	40,238.56	40,238.56	0.447	18,003.87	501,332.86		
393	1990	31.5	47,882.72	40	8.50	0%	37,707.64	37,707.64	0.447	16,871.46	407,003.12		
393	1989	32.5	63,986.40	40	7.50	0%	51,988.95	51,988.95	0.447	23,261.33	479,898.00		
393	1988	33.5	398,940.41	40	6.50	0%	334,112.59	334,112.59	0.447	149,491.42	2,593,112.67		
393	1987	34.5	119,005.84	40	5.50	0%	102,642.54	102,642.54	0.447	45,925.17	654,532.12		

2022 RATE CASE
ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF GENERAL PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL	Asset to Retire
393	1986	35.5	288,644.48	40	4.50	0%	256,171.98	256,171.98	0.447	114,618.58	1,298,900.16		
393	1985	36.5	237,920.32	40	3.50	0%	217,102.29	217,102.29	0.447	97,137.70	832,721.12		
393	1984	37.5	355,820.89	40	2.50	0%	333,582.08	333,582.08	0.447	149,254.05	889,552.23		
393	1983	38.5	286,076.18	40	1.50	0%	275,348.32	275,348.32	0.447	123,198.62	429,114.27		
393	1982	39.5	0.00	40	0.50	0%	0.00	0.00	0.447	0.00	0.00		
393 Total			4,996,536.59				2,222,634.71	2,222,634.71		994,469.58	110,956,075.01	22.21	0.00
395	2021	0.5	3,105,169.60	25	24.50	0%	62,103.39	62,103.39	0.447	27,786.81	76,076,655.20		
395	2020	1.5	8,322,328.37	25	23.50	0%	499,339.70	499,339.70	0.447	223,418.69	195,574,716.70		
395	2019	2.5	3,185,032.77	25	22.50	0%	318,503.28	318,503.28	0.447	142,507.37	71,663,237.33		
395	2018	3.5	3,623,078.13	25	21.50	0%	507,230.94	507,230.94	0.447	226,949.45	77,896,179.80		
395	2017	4.5	2,853,877.00	25	20.50	0%	513,697.86	513,697.86	0.447	229,842.94	58,504,478.50		
395	2016	5.5	2,440,851.55	25	19.50	0%	536,987.34	536,987.34	0.447	240,263.31	47,596,605.23		
395	2015	6.5	(93,050.39)	25	18.50	0%	(24,193.10)	(24,193.10)	0.447	(93,050.39)	(1,721,432.21)		
395	2014	7.5	5,076,419.83	25	17.50	0%	1,522,925.95	1,522,925.95	0.447	681,400.10	88,837,347.03		
395	2013	8.5	2,016,610.36	25	16.50	0%	685,647.52	685,647.52	0.447	306,778.08	33,274,070.94		
395	2012	9.5	290,044.69	25	15.50	0%	110,216.98	110,216.98	0.447	49,314.19	4,495,692.70		
395	2011	10.5	2,941,367.08	25	14.50	0%	1,235,374.17	1,235,374.17	0.447	552,741.31	42,649,822.66		
395	2010	11.5	1,487,728.63	25	13.50	0%	684,355.17	684,355.17	0.447	306,199.84	20,084,336.51		
395	2009	12.5	1,257,785.86	25	12.50	0%	628,892.93	628,892.93	0.447	281,384.47	15,722,323.25		
395	2008	13.5	1,360,120.96	25	11.50	0%	734,465.32	734,465.32	0.447	328,620.54	15,641,391.04		
395	2007	14.5	561,002.72	25	10.50	0%	325,381.58	325,381.58	0.447	145,584.91	5,890,528.56		
395	2006	15.5	1,879,708.90	25	9.50	0%	1,165,419.52	1,165,419.52	0.447	521,441.62	17,857,234.55		
395	2005	16.5	2,268,048.86	25	8.50	0%	1,496,912.25	1,496,912.25	0.447	669,780.84	19,278,415.31		
395	2004	17.5	2,584,157.89	25	7.50	0%	1,808,910.52	1,808,910.52	0.447	809,357.68	19,381,184.18		
395	2003	18.5	635,355.32	25	6.50	0%	470,162.94	470,162.94	0.447	210,364.18	4,129,809.58		
395	2002	19.5	1,012,800.63	25	5.50	0%	789,984.49	789,984.49	0.447	353,461.38	5,570,403.47		
395	2001	20.5	1,451,233.08	25	4.50	0%	1,190,011.13	1,190,011.13	0.447	532,444.60	6,530,548.86		
395	2000	21.5	456,046.79	25	3.50	0%	392,000.24	392,000.24	0.447	175,481.47	1,596,163.77		
395	1999	22.5	1,987,038.01	25	2.50	0%	1,788,334.21	1,788,334.21	0.447	800,151.26	4,967,595.03		
395	1998	23.5	1,207,567.10	25	1.50	0%	1,135,113.07	1,135,113.07	0.447	507,881.66	1,811,350.65		
395 Total			51,910,323.74				18,577,977.40	18,577,977.40		8,230,086.33	833,308,658.58	16.05	0.00
396	2021	0.5	516,123.05	15	14.50	20%	17,204.10	13,763.28	0.447	6,158.08	7,483,784.23		
396	2020	1.5	1,240,648.07	15	13.50	20%	124,064.81	99,251.85	0.447	44,408.08	16,748,748.95		
396	2019	2.5	151,023.70	15	12.50	20%	25,170.62	20,136.49	0.447	9,009.64	1,887,796.25		
396	2018	3.5	835,304.22	15	11.50	20%	194,904.32	155,923.45	0.447	69,764.56	9,605,998.53		
396	2017	4.5	791,189.74	15	10.50	20%	237,356.92	189,885.54	0.447	84,960.16	8,307,492.27		
396	2016	5.5	997,366.87	15	9.50	20%	365,701.19	292,560.95	0.447	130,900.04	9,474,985.27		
396	2015	6.5	856,680.61	15	8.50	20%	371,228.26	296,982.61	0.447	132,878.41	7,281,785.19		
396	2014	7.5	1,635,819.52	15	7.50	20%	817,909.76	654,327.81	0.447	292,764.75	12,268,646.40		
396	2013	8.5	744,701.21	15	6.50	20%	421,997.35	337,597.88	0.447	151,050.83	4,840,557.87		
396	2012	9.5	532,873.72	15	5.50	20%	337,486.69	269,989.35	0.447	120,800.86	2,930,805.46		
396	2011	10.5	733,537.90	15	4.50	20%	513,476.53	410,781.22	0.447	183,795.13	3,300,920.55		
396	2010	11.5	131,199.28	15	3.50	20%	100,586.11	80,468.89	0.447	36,004.06	459,197.48		
396	2009	12.5	55,278.71	15	2.50	20%	46,065.59	36,852.47	0.447	16,488.84	138,196.78		
396	2008	13.5	370,725.44	15	1.50	20%	333,652.90	266,922.32	0.447	119,428.59	556,088.16		
396	2007	14.5	77,393.90	15	0.50	20%	74,814.10	59,851.28	0.447	26,779.16	38,696.95		
396	2006	15.5	24,586.60	15	0.00	20%	24,586.60	19,669.28	1.000	19,669.28	0.00		24,586.60
396	2005	16.5	895,189.12	15	0.00	20%	895,189.12	716,151.30	1.000	716,151.30	0.00		895,189.12
396	2004	17.5	224,679.55	15	0.00	20%	224,679.55	179,743.64	1.000	179,743.64	0.00		224,679.55
396	2003	18.5	233,537.67	15	0.00	20%	233,537.67	186,830.14	1.000	186,830.14	0.00		233,537.67
396	2002	19.5	183,703.56	15	0.00	20%	183,703.56	146,962.85	1.000	146,962.85	0.00		183,703.56
396	2001	20.5	291,457.91	15	0.00	20%	291,457.91	233,166.33	1.000	233,166.33	0.00		291,457.91
396	2000	21.5	436,356.46	15	0.00	20%	436,356.46	349,085.17	1.000	349,085.17	0.00		436,356.46
396	1999	22.5	182,258.21	15	0.00	20%	182,258.21	145,806.57	1.000	145,806.57	0.00		182,258.21
396	1998	23.5	2,218.94	15	0.00	20%	2,218.94	1,775.15	1.000	1,775.15	0.00		2,218.94
396	1997	24.5	126,382.73	15	0.00	20%	126,382.73	101,106.18	1.000	101,106.18	0.00		126,382.73
396	1996	25.5	309,750.92	15	0.00	20%	309,750.92	247,800.74	1.000	247,800.74	0.00		309,750.92
396	1995	26.5	139,163.43	15	0.00	20%	139,163.43	111,330.74	1.000	111,330.74	0.00		139,163.43
396	1994	27.5	160,688.03	15	0.00	20%	160,688.03	128,550.42	1.000	128,550.42	0.00		160,688.03
396	1993	28.5	18,047.35	15	0.00	20%	18,047.35	14,437.88	1.000	14,437.88	0.00		18,047.35
396 Total			12,897,886.42				5,767,711.79	5,767,711.79		4,007,607.55	85,323,700.31	8.82	3,228,020.48
397	2021	0.5	24,979,735.87	15	14.50	0%	832,657.86	832,657.86	0.447	372,654.66	352,206,170.12		
397	2020	1.5	6,496,674.14	15	13.50	0%	649,667.41	649,667.41	0.447	290,679.56	87,705,100.89		
397	2019	2.5	331,483.62	15	12.50	0%	55,247.27	55,247.27	0.447	24,719.19	4,143,545.25		
397	2018	3.5	508,459.07	15	11.50	0%	118,640.45	118,640.45	0.447	53,083.09	5,847,279.31		

2022 RATE CASE
ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF GENERAL PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL	Asset to Retire
397	2017	4.5	(147,100.71)	15	10.50	0%	(44,130.21)	(44,130.21)	0.447	(147,100.71)	(1,544,557.46)		
397	2016	5.5	1,097,701.95	15	9.50	0%	402,480.72	402,480.72	0.447	180,085.72	10,428,168.53		
397	2015	6.5	16,051,421.04	15	8.50	0%	6,955,615.78	6,955,615.78	0.447	3,112,139.05	136,437,078.84		
397	2014	7.5	696,541.21	15	7.50	0%	348,270.61	348,270.61	0.447	155,826.11	5,224,059.08		
397	2013	8.5	6,706,947.65	15	6.50	0%	3,800,603.67	3,800,603.67	0.447	1,700,497.47	43,595,159.73		
397	2012	9.5	3,524,756.46	15	5.50	0%	2,232,345.76	2,232,345.76	0.447	998,814.57	19,386,160.53		
397	2011	10.5	1,862,525.32	15	4.50	0%	1,303,767.72	1,303,767.72	0.447	583,342.52	8,381,363.94		
397	2010	11.5	4,554,539.37	15	3.50	0%	3,491,813.52	3,491,813.52	0.447	1,562,336.04	15,940,887.80		
397	2009	12.5	1,087,951.95	15	2.50	0%	908,626.63	908,626.63	0.447	405,650.37	2,719,879.88		
397	2008	13.5	522,277.66	15	1.50	0%	470,049.89	470,049.89	0.447	210,313.60	783,416.49		
397	2007	14.5	188,196.55	15	0.50	0%	181,923.33	181,923.33	0.447	81,397.64	94,098.28		
397	2006	15.5	453,896.85	15	0.00	0%	453,896.85	453,896.85	1.000	453,896.85	0.00		453,896.85
397	2005	16.5	905,079.11	15	0.00	0%	905,079.11	905,079.11	1.000	905,079.11	0.00		905,079.11
397	2004	17.5	819,092.97	15	0.00	0%	819,092.97	819,092.97	1.000	819,092.97	0.00		819,092.97
397	2003	18.5	839,071.95	15	0.00	0%	839,071.95	839,071.95	1.000	839,071.95	0.00		839,071.95
397 Total			71,479,252.03					24,722,731.29		12,601,479.76	701,347,811.18	10.24	3,017,140.88
398	2021	0.5	1,689,998.93	22	21.50	0%	37,954.52	37,954.52	0.447	16,981.93	35,904,977.00		
398	2020	1.5	2,461,822.09	22	20.50	0%	167,851.51	167,851.51	0.447	75,101.51	50,467,352.85		
398	2019	2.5	1,345,738.13	22	19.50	0%	152,924.79	152,924.79	0.447	68,422.87	26,241,893.54		
398	2018	3.5	567,160.27	22	19.50	0%	64,450.03	64,450.03	0.447	28,836.76	11,059,625.27		
398	2017	4.5	1,222,075.65	22	18.50	0%	194,421.13	194,421.13	0.447	86,989.51	22,608,399.53		
398	2016	5.5	549,325.06	22	17.50	0%	112,361.94	112,361.94	0.447	50,273.91	9,613,188.55		
398	2015	6.5	342,932.31	22	16.50	0%	85,733.08	85,733.08	0.447	38,359.40	5,658,383.12		
398	2014	7.5	806,911.18	22	16.50	0%	201,727.80	201,727.80	0.447	90,258.72	13,314,034.47		
398	2013	8.5	198,714.55	22	15.50	0%	58,711.12	58,711.12	0.447	26,269.01	3,080,075.53		
398	2012	9.5	850,859.01	22	14.50	0%	290,065.57	290,065.57	0.447	129,783.53	12,337,455.65		
398	2011	10.5	442,589.81	22	13.50	0%	171,000.61	171,000.61	0.447	76,510.50	5,974,962.44		
398	2010	11.5	751,639.87	22	12.50	0%	324,571.76	324,571.76	0.447	145,222.58	9,395,498.38		
398	2009	12.5	336,521.03	22	11.50	0%	160,612.31	160,612.31	0.447	71,862.49	3,869,991.85		
398	2008	13.5	238,863.10	22	10.50	0%	124,860.26	124,860.26	0.447	55,866.01	2,508,062.55		
398	2007	14.5	82,868.54	22	9.50	0%	47,084.40	47,084.40	0.447	21,066.89	787,251.13		
398	2006	15.5	437,326.27	22	8.50	0%	268,359.30	268,359.30	0.447	120,071.53	3,717,273.30		
398	2005	16.5	66,824.60	22	7.50	0%	44,043.49	44,043.49	0.447	19,706.30	501,184.50		
398	2004	17.5	147,098.86	22	6.50	0%	103,637.83	103,637.83	0.447	46,370.50	956,142.59		
398	2003	18.5	74,061.19	22	5.50	0%	55,545.89	55,545.89	0.447	24,852.80	407,336.55		
398	2002	19.5	139,192.09	22	4.50	0%	110,720.98	110,720.98	0.447	49,539.70	626,364.41		
398	2001	20.5	35,291.15	22	3.50	0%	29,676.65	29,676.65	0.447	13,278.17	123,519.03		
398	2000	21.5	0.00	22	2.50	0%	0.00	0.00	0.447	0.00	0.00		
398 Total			12,767,813.69					2,806,314.96		1,255,624.81	219,152,972.17	17.16	0.00
391 Computer	2021	0.5	19,492,644.42	7	6.50	0%	1,392,331.74	1,392,331.74	0.447	622,968.57	126,702,188.73		
391 Computer	2020	1.5	57,462,098.80	7	5.50	0%	12,313,306.89	12,313,306.89	0.447	5,509,321.44	316,041,543.40		
391 Computer	2018	3.5	8,625,193.00	7	3.50	0%	4,312,596.50	4,312,596.50	0.447	1,929,577.54	30,188,175.50		
391 Computer	2017	4.5	26,726,762.18	7	2.50	0%	17,181,483.54	17,181,483.54	0.447	7,687,481.24	66,816,880.45		
391 Computer	2016	5.5	14,924,766.64	7	1.50	0%	11,726,602.36	11,726,602.36	0.447	5,246,813.25	22,387,149.96		
391 Computer	2015	6.5	51,469,994.77	7	0.50	0%	47,793,566.57	47,793,566.57	0.447	21,384,192.19	25,734,997.39		
391 Computer	2015	6.5	14,231,584.25	7	0.50	0%	13,215,042.52	13,215,042.52	0.447	5,912,783.44	7,115,792.13		
391 Computer	2014	7.5	29,076,241.92	7	0.00	0%	29,076,241.92	29,076,241.92	1.000	29,076,241.92	0.00		29,076,241.92
391 Computer	2013	8.5	16,298,694.32	7	0.00	0%	16,298,694.32	16,298,694.32	1.000	16,298,694.32	0.00		16,298,694.32
391 Computer	2012	9.5	38,399,780.86	7	0.00	0%	38,399,780.86	38,399,780.86	1.000	38,399,780.86	0.00		38,399,780.86
391 Computer	2011	10.5	1,203,098.36	7	0.00	0%	1,203,098.36	1,203,098.36	1.000	1,203,098.36	0.00		1,203,098.36
391 Computer	2010	11.5	4,917,343.15	7	0.00	0%	4,917,343.15	4,917,343.15	1.000	4,917,343.15	0.00		4,917,343.15
391 Computer	2009	12.5	2,232,468.24	7	0.00	0%	2,232,468.24	2,232,468.24	1.000	2,232,468.24	0.00		2,232,468.24
391 Computer	2008	13.5	104,981.11	7	0.00	0%	104,981.11	104,981.11	1.000	104,981.11	0.00		104,981.11
391 Computer	2007	14.5	0.00	7	0.00	0%	0.00	0.00	1.000	0.00	0.00		0.00
391 Computer Total			285,165,642.02					200,167,538.08		140,525,745.62	594,986,727.55	3.08	92,232,607.96
391 Furniture	2021	0.5	2,425,475.24	20	19.50	0%	60,636.88	60,636.88	0.447	27,130.65	47,296,767.18		
391 Furniture	2020	1.5	9,107,239.54	20	18.50	0%	683,042.97	683,042.97	0.447	305,612.72	168,483,931.49		
391 Furniture	2019	2.5	1,369,023.10	20	17.50	0%	171,127.89	171,127.89	0.447	76,567.45	23,957,904.25		
391 Furniture	2018	3.5	1,347,466.80	20	16.50	0%	235,806.69	235,806.69	0.447	105,506.58	22,233,202.20		
391 Furniture	2017	4.5	142,334.63	20	15.50	0%	32,025.29	32,025.29	0.447	14,329.02	2,206,186.77		
391 Furniture	2016	5.5	765,280.11	20	14.50	0%	210,452.03	210,452.03	0.447	94,162.19	11,096,561.60		
391 Furniture	2015	6.5	1,634,667.48	20	13.50	0%	531,266.93	531,266.93	0.447	237,703.84	22,068,010.98		
391 Furniture	2014	7.5	1,401,548.76	20	12.50	0%	525,580.79	525,580.79	0.447	235,159.69	17,519,359.50		
391 Furniture	2013	8.5	1,997,522.99	20	11.50	0%	848,947.27	848,947.27	0.447	379,843.00	22,971,514.39		
391 Furniture	2012	9.5	670,150.50	20	10.50	0%	318,321.49	318,321.49	0.447	142,426.03	7,036,580.25		

2022 RATE CASE
ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF GENERAL PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL	Asset to Retire
391 Furniture	2011	10.5	87,021.15	20	9.50	0%	45,686.10	45,686.10	0.447	20,441.25	826,700.93		
391 Furniture	2010	11.5	409,288.97	20	8.50	0%	235,341.16	235,341.16	0.447	105,298.28	3,478,956.25		
391 Furniture	2009	12.5	1,460,246.54	20	7.50	0%	912,654.09	912,654.09	0.447	408,347.23	10,951,849.05		
391 Furniture	2008	13.5	39,963.83	20	6.50	0%	26,975.59	26,975.59	0.447	12,069.64	259,764.90		
391 Furniture	2007	14.5	0.00	20	5.50	0%	0.00	0.00	1.000	0.00	0.00		0.00
391 Furniture	2006	15.5	0.00	20	4.50	0%	0.00	0.00	1.000	0.00	0.00		0.00
391 Furniture Total			22,857,229.64					4,837,865.15		2,164,597.57	313,090,522.53	13.70	0.00
392 Auto Light Truck	2018	3.5	56,654.06	7	3.50	20%	28,327.03	22,661.62	0.447	10,139.45	198,289.21		
392 Auto Light Truck	2017	4.5	1,115,419.61	7	2.50	20%	717,055.46	573,644.37	0.447	256,664.70	2,788,549.03		
392 Auto Light Truck	2016	5.5	722,803.92	7	1.50	20%	587,917.37	454,333.89	0.447	203,281.82	1,084,205.88		
392 Auto Light Truck	2015	6.5	1,035,020.55	7	0.50	20%	981,090.51	768,872.41	0.447	344,015.24	517,510.28		
392 Auto Light Truck	2014	7.5	1,254,319.88	7	0.00	20%	1,254,319.88	1,003,455.90	1.000	1,003,455.90	0.00		1,254,319.88
392 Auto Light Truck	2013	8.5	644,908.71	7	0.00	20%	644,908.71	515,926.97	1.000	515,926.97	0.00		644,908.71
392 Auto Light Truck	2012	9.5	306,416.80	7	0.00	20%	306,416.80	245,133.44	1.000	245,133.44	0.00		306,416.80
392 Auto Light Truck	2011	10.5	45,362.63	7	0.00	20%	45,362.63	36,290.10	1.000	36,290.10	0.00		45,362.63
392 Auto Light Truck	2010	11.5	42,098.61	7	0.00	20%	42,098.61	33,678.89	1.000	33,678.89	0.00		42,098.61
392 Auto Light Truck Total			5,223,004.77					3,653,997.60		2,648,586.52	4,588,554.39	1.57	2,293,106.63
392 Heavy Trucks	2020	1.5	0.00	10	8.50	20%	0.00	0.00	0.447	0.00	0.00		
392 Heavy Trucks	2019	2.5	0.00	10	7.50	20%	0.00	0.00	0.447	0.00	0.00		
392 Heavy Trucks	2018	3.5	0.00	10	6.50	20%	0.00	0.00	0.447	0.00	0.00		
392 Heavy Trucks	2017	4.5	86,974.61	10	5.50	20%	39,138.57	31,310.86	0.447	14,009.36	478,360.36		
392 Heavy Trucks	2016	5.5	290,289.76	10	4.50	20%	159,659.37	127,727.49	0.447	57,148.89	1,306,303.92		
392 Heavy Trucks	2015	6.5	82,397.43	10	3.50	20%	53,558.33	42,846.66	0.447	19,170.81	288,391.01		
392 Heavy Trucks	2014	7.5	25,803.77	10	2.50	20%	19,352.83	15,482.26	0.447	6,927.20	64,509.43		
392 Heavy Trucks	2013	8.5	250,255.36	10	1.50	20%	212,717.06	170,173.64	0.447	76,140.50	375,383.04		
392 Heavy Trucks	2012	9.5	220,408.55	10	0.50	20%	209,388.12	167,510.50	0.447	74,948.93	110,204.28		
392 Heavy Trucks	2011	10.5	84,179.91	10	0.00	20%	84,179.91	67,343.93	1.000	67,343.93	0.00		84,179.91
392 Heavy Trucks	2010	11.5	0.00	10	0.00	20%	0.00	0.00	1.000	0.00	0.00		0.00
392 Heavy Trucks	2009	12.5	0.00	10	0.00	20%	0.00	0.00	1.000	0.00	0.00		0.00
392 Heavy Trucks Total			1,040,309.39					622,395.35		315,689.62	2,623,152.02	2.74	84,179.91
392 Trailers	2021	0.5	1,274,934.52	15	14.50	20%	42,497.82	33,998.25	0.447	15,211.78	18,486,550.54		
392 Trailers	2020	1.5	3,269,823.41	15	13.50	20%	326,982.34	261,585.87	0.447	117,040.91	44,142,616.04		
392 Trailers	2019	2.5	1,199,086.34	15	12.50	20%	199,847.72	159,878.18	0.447	71,534.01	14,988,579.25		
392 Trailers	2018	3.5	2,426,907.96	15	11.50	20%	566,278.52	453,022.82	0.447	202,695.21	27,909,441.54		
392 Trailers	2017	4.5	1,825,743.27	15	10.50	20%	547,722.98	438,178.38	0.447	196,053.39	19,170,304.34		
392 Trailers	2016	5.5	990,721.28	15	9.50	20%	363,264.47	290,611.58	0.447	130,027.83	9,411,852.16		
392 Trailers	2015	6.5	493,095.01	15	8.50	20%	213,674.50	170,939.60	0.447	76,483.21	4,191,307.59		
392 Trailers	2014	7.5	1,918,680.38	15	7.50	20%	959,340.19	767,472.15	0.447	343,388.73	14,390,102.85		
392 Trailers	2013	8.5	1,507,947.27	15	6.50	20%	854,503.45	683,602.76	0.447	305,863.19	9,801,657.26		
392 Trailers	2012	9.5	1,016,734.10	15	5.50	20%	643,931.60	515,145.28	0.447	230,490.55	5,592,037.55		
392 Trailers	2011	10.5	503,739.52	15	4.50	20%	352,617.66	282,094.13	0.447	126,216.89	2,266,827.84		
392 Trailers	2010	11.5	172,334.80	15	3.50	20%	132,123.35	105,698.68	0.447	47,292.57	603,171.80		
392 Trailers Total			16,599,747.86					4,162,227.69		1,862,298.28	170,954,448.74	10.30	0.00
394 Tool Shop Garage	2021	0.5	202,209.48	35	34.50	0%	2,888.71	2,888.71	0.447	1,292.49	6,976,227.06		
394 Tool Shop Garage	2020	1.5	1,034,324.05	35	33.50	0%	44,328.17	44,328.17	0.447	19,833.68	34,649,855.68		
394 Tool Shop Garage	2019	2.5	1,371,160.45	35	32.50	0%	97,940.03	97,940.03	0.447	43,821.14	44,562,714.63		
394 Tool Shop Garage	2018	3.5	809,709.45	35	31.50	0%	80,970.95	80,970.95	0.447	36,228.69	25,505,847.68		
394 Tool Shop Garage	2017	4.5	1,041,186.66	35	30.50	0%	133,868.14	133,868.14	0.447	59,896.39	31,756,498.13		
394 Tool Shop Garage	2016	5.5	1,622,952.11	35	29.50	0%	255,035.33	255,035.33	0.447	114,110.01	47,877,087.25		
394 Tool Shop Garage	2015	6.5	370,521.72	35	28.50	0%	68,811.18	68,811.18	0.447	30,788.06	10,559,869.02		
394 Tool Shop Garage	2014	7.5	451,645.22	35	27.50	0%	96,781.12	96,781.12	0.447	43,302.61	12,420,243.55		
394 Tool Shop Garage	2013	8.5	378,586.77	35	26.50	0%	91,942.50	91,942.50	0.447	41,137.67	10,032,549.41		
394 Tool Shop Garage	2012	9.5	228,971.69	35	25.50	0%	62,148.46	62,148.46	0.447	27,807.42	5,838,778.10		
394 Tool Shop Garage	2011	10.5	473,924.83	35	24.50	0%	142,177.45	142,177.45	0.447	63,614.21	11,611,158.34		
394 Tool Shop Garage	2010	11.5	1,896,278.54	35	23.50	0%	623,062.95	623,062.95	0.447	278,775.97	44,562,545.69		
394 Tool Shop Garage	2009	12.5	326,178.39	35	22.50	0%	116,492.28	116,492.28	0.447	52,121.94	7,339,013.78		
394 Tool Shop Garage	2008	13.5	616,939.52	35	21.50	0%	237,962.39	237,962.39	0.447	106,471.10	13,264,199.68		
394 Tool Shop Garage	2007	14.5	9,237.14	35	20.50	0%	3,826.82	3,826.82	0.447	1,712.23	189,361.37		
394 Tool Shop Garage	2006	15.5	77,349.60	35	19.50	0%	34,254.82	34,254.82	0.447	15,326.58	1,508,317.20		
394 Tool Shop Garage	2005	16.5	333,270.70	35	18.50	0%	157,113.33	157,113.33	0.447	70,296.94	6,165,507.95		
394 Tool Shop Garage	2004	17.5	171,437.02	35	17.50	0%	85,718.51	85,718.51	0.447	38,362.88	3,000,147.85		
394 Tool Shop Garage	2003	18.5	66,694.96	35	16.50	0%	35,253.05	35,253.05	0.447	15,773.21	1,100,466.84		
394 Tool Shop Garage	2002	19.5	326,809.88	35	15.50	0%	182,079.79	182,079.79	0.447	81,467.64	5,065,553.14		
394 Tool Shop Garage	2001	20.5	204,382.76	35	14.50	0%	119,709.90	119,709.90	0.447	53,561.59	2,963,550.02		
394 Tool Shop Garage	2000	21.5	193,275.27	35	13.50	0%	118,726.24	118,726.24	0.447	53,121.47	2,609,216.16		

2022 RATE CASE
ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF GENERAL PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL	Asset to Retire
394 Tool Shop Garage	1989	22.5	178,313.53	35	12.50	0%	114,630.13	114,630.13	0.447	51,288.76	2,228,919.13		
394 Tool Shop Garage	1988	23.5	348,050.54	35	11.50	0%	233,691.08	233,691.08	0.447	104,559.99	4,002,581.21		
394 Tool Shop Garage	1987	24.5	84,213.55	35	10.50	0%	65,949.49	65,949.49	0.447	29,507.66	989,242.28		
394 Tool Shop Garage	1986	25.5	1,208,980.80	35	9.50	0%	880,828.87	880,828.87	0.447	394,107.73	11,485,317.60		
394 Tool Shop Garage	1985	26.5	723,193.91	35	8.50	0%	547,561.10	547,561.10	0.447	244,994.31	6,147,148.24		
394 Tool Shop Garage	1984	27.5	1,654,442.65	35	7.50	0%	1,299,919.23	1,299,919.23	0.447	581,820.59	12,408,319.88		
394 Tool Shop Garage	1983	28.5	432,039.37	35	6.50	0%	351,803.49	351,803.49	0.447	157,406.82	2,808,255.91		
394 Tool Shop Garage	1982	29.5	206,234.96	35	5.50	0%	173,826.61	173,826.61	0.447	77,774.94	1,134,292.28		
394 Tool Shop Garage	1981	30.5	352,446.94	35	4.50	0%	307,132.33	307,132.33	0.447	137,419.68	1,586,011.23		
394 Tool Shop Garage	1980	31.5	247,662.69	35	3.50	0%	222,896.42	222,896.42	0.447	99,730.16	866,819.42		
394 Tool Shop Garage	1989	32.5	226,762.86	35	2.50	0%	210,565.51	210,565.51	0.447	94,212.96	566,907.15		
394 Tool Shop Garage	1988	33.5	397,863.67	35	1.50	0%	380,812.37	380,812.37	0.447	170,386.21	596,795.51		
394 Tool Shop Garage	1987	34.5	0.00	35	0.50	0%	0.00	0.00	0.447	0.00	0.00		
394 Tool Shop Garage Total			18,277,261.68				7,580,709.73	7,580,709.73		3,391,823.74	374,379,318.28	20.48	0.00
394 Tools	2021	0.5	2,326,208.35	10	9.50	0%	116,310.42	116,310.42	0.447	52,040.57	22,098,979.33		
394 Tools	2020	1.5	4,462,400.78	10	8.50	0%	669,360.12	669,360.12	0.447	299,490.63	37,930,406.63		
394 Tools	2019	2.5	881,082.39	10	7.50	0%	220,270.60	220,270.60	0.447	98,555.29	6,608,117.93		
394 Tools	2018	3.5	1,451,504.68	10	6.50	0%	508,026.60	508,026.60	0.447	227,305.46	9,434,779.77		
394 Tools	2017	4.5	438,430.69	10	5.50	0%	197,293.81	197,293.81	0.447	88,274.83	2,411,368.80		
394 Tools	2016	5.5	907,593.88	10	4.50	0%	499,176.63	499,176.63	0.447	223,345.73	4,084,172.46		
394 Tools	2015	6.5	1,139,521.66	10	3.50	0%	740,689.08	740,689.08	0.447	331,405.22	3,988,325.81		
394 Tools	2014	7.5	596,917.45	10	2.50	0%	447,688.09	447,688.09	0.447	200,308.30	1,492,293.63		
394 Tools	2013	8.5	1,082,585.81	10	1.50	0%	920,197.94	920,197.94	0.447	411,722.56	1,623,878.72		
394 Tools	2012	9.5	525,856.37	10	0.50	0%	525,213.55	525,213.55	0.447	234,995.38	276,428.19		
394 Tools	2011	10.5	892,225.46	10	0.00	0%	892,225.46	892,225.46	1.000	892,225.46	0.00		892,225.46
394 Tools	2010	11.5	308,101.08	10	0.00	0%	308,101.08	308,101.08	1.000	308,101.08	0.00		308,101.08
394 Tools	2009	12.5	1,029,417.31	10	0.00	0%	1,029,417.31	1,029,417.31	1.000	1,029,417.31	0.00		1,029,417.31
394 Tools	2008	13.5	2,083,896.99	10	0.00	0%	2,083,896.99	2,083,896.99	1.000	2,083,896.99	0.00		2,083,896.99
394 Tools	2007	14.5	138,731.05	10	0.00	0%	138,731.05	138,731.05	1.000	138,731.05	0.00		138,731.05
394 Tools	2006	15.5	266,547.87	10	0.00	0%	266,547.87	266,547.87	1.000	266,547.87	0.00		266,547.87
394 Tools	2005	16.5	583,621.55	10	0.00	0%	583,621.55	583,621.55	1.000	583,621.55	0.00		583,621.55
394 Tools	2004	17.5	1,287,883.69	10	0.00	0%	1,287,883.69	1,287,883.69	1.000	1,287,883.69	0.00		1,287,883.69
394 Tools	2003	18.5	664,933.23	10	0.00	0%	664,933.23	664,933.23	1.000	664,933.23	0.00		664,933.23
394 Tools	2002	19.5	1,005,911.48	10	0.00	0%	1,005,911.48	1,005,911.48	1.000	1,005,911.48	0.00		1,005,911.48
394 Tools	2001	20.5	340,905.35	10	0.00	0%	340,905.35	340,905.35	1.000	340,905.35	0.00		340,905.35
394 Tools	2000	21.5	310,393.19	10	0.00	0%	310,393.19	310,393.19	1.000	310,393.19	0.00		310,393.19
394 Tools	1999	22.5	553,519.09	10	0.00	0%	553,519.09	553,519.09	1.000	553,519.09	0.00		553,519.09
394 Tools	1998	23.5	172,504.49	10	0.00	0%	172,504.49	172,504.49	1.000	172,504.49	0.00		172,504.49
394 Tools	1997	24.5	129,748.93	10	0.00	0%	129,748.93	129,748.93	1.000	129,748.93	0.00		129,748.93
394 Tools	1996	25.5	209,878.05	10	0.00	0%	209,878.05	209,878.05	1.000	209,878.05	0.00		209,878.05
394 Tools	1995	26.5	245,755.86	10	0.00	0%	245,755.86	245,755.86	1.000	245,755.86	0.00		245,755.86
394 Tools	1994	27.5	190,650.92	10	0.00	0%	190,650.92	190,650.92	1.000	190,650.92	0.00		190,650.92
394 Tools	1993	28.5	52,690.52	10	0.00	0%	52,690.52	52,690.52	1.000	52,690.52	0.00		52,690.52
394 Tools	1992	29.5	50,850.04	10	0.00	0%	50,850.04	50,850.04	1.000	50,850.04	0.00		50,850.04
394 Tools	1991	30.5	274,080.66	10	0.00	0%	274,080.66	274,080.66	1.000	274,080.66	0.00		274,080.66
394 Tools	1990	31.5	191,611.69	10	0.00	0%	191,611.69	191,611.69	1.000	191,611.69	0.00		191,611.69
394 Tools	1989	32.5	124,054.89	10	0.00	0%	124,054.89	124,054.89	1.000	124,054.89	0.00		124,054.89
394 Tools	1988	33.5	204,307.51	10	0.00	0%	204,307.51	204,307.51	1.000	204,307.51	0.00		204,307.51
394 Tools			0.00	10	0.00	0%	0.00	0.00	1.000	0.00	0.00		0.00
394 Tools Total			25,151,322.86				16,156,447.74	16,156,447.74		13,479,664.87	89,948,751.24	6.50	11,312,220.90
397 Depr	2021	0.5	915,207.29	25	24.63	-2%	13,569.85	13,841.25	0.447	6,192.97	22,540,935.96		
397 Depr	2020	1.5	18,877,630.08	25	23.89	-2%	834,412.39	851,100.64	0.447	380,806.48	451,080,442.19		
397 Depr	2019	2.5	3,501,386.86	25	23.17	-2%	256,365.10	261,492.41	0.447	116,999.09	81,125,543.92		
397 Depr	2018	3.5	23,593,006.35	25	22.45	-2%	2,404,049.96	2,452,130.96	0.447	1,097,152.68	529,723,909.70		
397 Depr	2017	4.5	400,937.91	25	21.74	-2%	52,224.73	53,269.22	0.447	23,834.16	8,717,829.53		
397 Depr	2016	5.5	939,230.88	25	21.04	-2%	148,697.42	151,671.37	0.447	67,862.05	19,763,336.56		
397 Depr	2015	6.5	1,586,393.56	25	20.35	-2%	295,234.69	301,139.39	0.447	134,738.27	32,278,971.63		
397 Depr	2014	7.5	17,798.60	25	19.66	-2%	3,802.45	3,878.50	0.447	1,735.35	349,903.69		
397 Depr	2013	8.5	475,651.66	25	18.98	-2%	114,599.74	116,891.74	0.447	52,300.67	9,026,297.91		
397 Depr	2012	9.5	573,980.15	25	18.30	-2%	153,813.11	156,889.37	0.447	70,196.74	10,504,175.97		
397 Depr	2009	12.5	34,339.23	25	16.32	-2%	11,926.18	12,164.70	0.447	5,442.83	560,326.33		
397 Depr	2008	13.5	17,610,437.44	25	15.67	-2%	6,569,073.55	6,700,455.02	0.447	2,997,972.91	276,034,097.24		
397 Depr	2005	16.5	2,658.85	25	13.81	-2%	1,189.82	1,213.62	0.447	543.01	36,725.72		
397 Depr	2004	17.5	3,333.83	25	13.22	-2%	1,571.34	1,602.76	0.447	717.12	44,062.32		
397 Depr	2003	18.5	2,144,368.00	25	12.63	-2%	1,060,679.75	1,081,893.35	0.447	484,069.65	27,091,956.21		

2022 RATE CASE
ONCOR ELECTRIC DELIVERY LLC
CALCULATION OF GENERAL PLANT BOOK RESERVE AND REMAINING LIFE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Acct	Vintage Yr	Age	Plant	ASL	Remaining Life	Net Salvage	Theo Res 0% Salv	Theo Res w Salv	Proration	Allocated Res	\$ x RL	RL	Asset to Retire
397 Depr	2001	20.5	42,305.22	25	11.51	-2%	22,828.26	23,284.83	0.447	10,418.29	486,923.90		
397 Depr	2000	21.5	1,051,121.45	25	10.97	-2%	595,563.41	607,474.68	0.447	271,801.34	11,638,950.95		
397 Depr	1996	25.5	4,330,790.25	25	8.94	-2%	2,781,607.68	2,837,239.83	0.447	1,269,461.27	38,729,564.28		
397 Depr	1995	26.5	1,204,077.85	25	8.47	-2%	796,112.43	812,034.68	0.447	363,327.26	10,199,135.41		
397 Depr Total			77,314,645.46				16,439,668.32			7,355,572.14	1,529,933,089.41	19.79	0.00
Grand Total			859,675,800.18				355,610,115.69			220,261,433.69	17,561,194,804.50		112,167,276.76
										-220,261,433.69 Adjusted Reserve			
									Proration	0.447	0.00	Difference	

APPENDIX E
Net Salvage Analysis by Account

ONCOR ELECTRIC DELIVERY-LEGACY AND NTUSU
TRANSMISSION, DISTRIBUTION, AND GENERAL PLANT
RETIREMENTS REMOVAL COST AND NET SALVAGE ANALYSIS

FERC Account	Activity Year	Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %	15- yr Net Salv. %	20- yr Net Salv. %
350.2 Easements																	
350	1995	0	0	0	0	NA											
350	1996	0	0	0	0	NA	NA										
350	1997	0	0	0	0	NA	NA	NA									
350	1998	153	0	0	0	0.00%	0.00%	0.00%	0.00%								
350	1999	37,416	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%							
350	2000	408	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
350	2001	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%		0.00%					
350	2002	0	0	0	0	NA	NA	0.00%	0.00%	0.00%	0.00%		0.00%				
350	2003	0	0	0	0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%		0.00%			
350	2004	0	0	0	0	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%		0.00%	0.00%	
350	2005	1	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
350	2006	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
350	2007	0	0	0	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
350	2008	0	0	0	0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
350	2009	4,873	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
350	2010	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
350	2011	0	0	0	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
350	2012	78,807	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
350	2013	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
350	2014	0	0	0	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
350	2015	0	0	0	0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
350	2016	0	0	0	0	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
350	2017	0	0	0	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
350	2018	0	0	0	0	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
350	2019	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
350	2020	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
350	2021	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%
352	1995	0	0	0	0	NA											
352	1996	3,319	0	0	0	0.00%	0.00%										
352	1997	12,409	0	1,068	(1,068)	-8.61%	-6.79%	-6.79%									
352	1998	0	0	449	(449)	NA	-12.23%	-9.65%	-9.65%								
352	1999	45,925	123	552	(429)	-0.93%	-1.91%	-3.34%	-3.16%	-3.16%							
352	2000	0	0	0	0	NA	-0.93%	-1.91%	-3.34%	-3.16%	-3.16%						
352	2001	259	0	101	(101)	-39.17%	-39.17%	-1.15%	-2.12%	-3.50%	-3.31%	-3.31%					
352	2002	212	0	1,447	(1,447)	-683.71%	-329.23%	-329.23%	-4.26%	-5.23%	-5.94%	-5.63%	-5.63%				
352	2003	42,372	0	53	(53)	-0.12%	-3.52%	-3.74%	-3.74%	-2.29%	-2.79%	-3.51%		-3.40%			
352	2004	171,078	0	37,258	(37,258)	-21.78%	-17.48%	-18.14%	-18.17%	-18.17%	-15.12%	-15.29%	-14.99%	-14.81%	-14.81%		
352	2005	45,260	0	77,548	(77,548)	-171.34%	-53.07%	-44.40%	-44.92%	-44.91%	-44.91%	-38.29%	-38.44%	-37.28%	-36.89%		
352	2006	204,032	0	70,463	(70,463)	-34.54%	-59.37%	-44.07%	-40.05%	-40.34%	-40.34%	-40.34%	-36.79%	-36.88%	-36.20%		
352	2007	10,266	0	62,002	(62,002)	-603.94%	-61.81%	-80.91%	-57.42%	-52.29%	-52.57%	-52.56%	-52.56%	-48.00%	-48.08%		
352	2008	9,523	0	12,824	(12,824)	-134.67%	-378.12%	-64.91%	-82.81%	-59.09%	-53.91%	-54.19%	-54.18%	-54.18%	-49.56%		
352	2009	23,819	0	40,666	(40,666)	-170.73%	-160.43%	-264.85%	-75.09%	-89.96%	-64.82%	-59.41%	-59.67%	-59.66%	-59.66%	-53.53%	
352	2010	56,925	133,840	111,724	22,117	38.85%	-22.97%	-34.76%	-92.88%	-53.79%	-69.00%	-53.49%	-49.48%	-49.72%	-49.71%	-45.12%	
352	2011	6,019	91,717	65,833	25,884	430.04%	78.26%	8.45%	-5.70%	-63.34%	-44.42%	-60.56%	-47.97%	-44.41%	-44.65%	-40.81%	
352	2012	51,672	25,230	117,832	(92,602)	-179.21%	-115.65%	-38.91%	-61.59%	-86.30%	-101.18%	-63.65%	-75.61%	-59.69%	-55.63%	-52.12%	
352	2013	12,952	939	29,843	(28,904)	-223.15%	-188.02%	-135.36%	-57.62%	-75.42%	-78.92%	-110.41%	-69.15%	-80.15%	-63.27%	-55.31%	
352	2014	84,312	16,959	79,084	(62,124)	-73.68%	-93.59%	-123.29%	-101.80%	-64.01%	-74.80%	-77.12%	-98.29%	-69.98%	-79.07%	-60.94%	-56.38%
352	2015	92,608	24,771	204,118	(179,347)	-193.66%	-136.49%	-142.40%	-150.27%	-136.16%	-103.44%	-108.33%	-109.07%	-123.66%	-90.73%	-76.09%	-70.94%
352	2016	254,922	6,198	27,528	(21,329)	-8.37%	-57.74%	-60.86%	-65.58%	-77.41%	-71.33%	-60.12%	-64.64%	-65.76%	-74.92%	-59.90%	-56.97%
352	2017	61,873	29,559	122,734	(93,176)	-150.59%	-36.14%	-71.78%	-72.10%	-75.96%	-85.52%	-80.02%	-69.13%	-72.88%	-73.78%	-64.76%	-62.41%
352	2018	456,923	32,151	431,910	(399,758)	-87.49%	-95.02%	-86.47%	-80.06%	-79.50%	-81.43%	-86.41%	-83.36%	-76.91%	-78.94%	-73.27%	-69.41%
352	2019	370,140	27,511	481,107	(453,596)	-122.55%	-103.18%	-106.48%	-84.61%	-92.78%	-91.56%	-92.84%	-96.06%	-93.79%	-88.57%	-88.81%	-81.08%

ONCOR ELECTRIC DELIVERY-LEGACY AND NTUSU
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RETIREMENTS REMOVAL COST AND NET SALVAGE ANALYSIS

FERC Account	Activity Year	Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %	15- yr Net Salv. %	20- yr Net Salv. %
	352 2020	193,285	23,348	531,537	(508,189)	-262.92%	-170.70%	-133.44%	-134.42%	-110.39%	-115.78%	-113.44%	-114.37%	-116.49%	-114.41%	-104.64%	-97.44%
	352 2021	2,959,406	36,012	414,428	(378,416)	-12.79%	-28.12%	-38.04%	-43.72%	-45.36%	-43.16%	-46.34%	-46.85%	-47.36%	-48.86%	-49.19%	-48.39%
	353 1995	2,844,530	8,834	88,922	(80,088)	-2.82%											
	353 1996	3,327,987	12,082	59,178	(47,096)	-1.42%	-2.06%										
	353 1997	2,319,479	80,440	194,465	(114,025)	-4.92%	-2.85%	-2.84%									
	353 1998	1,623,930	0	570,132	(570,132)	-35.11%	-17.35%	-10.06%	-8.02%								
	353 1999	4,674,226	132,375	564,405	(432,029)	12.07%	-0.09%	-1.39%	-1.40%	-1.67%							
	353 2000	6,179,248	11,372	1,079,216	(1,067,844)	-17.28%	-4.64%	-8.60%	-8.03%	-6.81%	-6.27%						
	353 2001	5,652,070	0	879,983	(879,983)	-15.57%	-16.46%	-8.38%	-10.78%	-10.11%	-8.89%	-8.24%					
	353 2002	13,303,376	5,110	2,072,615	(2,067,505)	-15.54%	-15.55%	-15.98%	-11.58%	-12.79%	-12.25%	-11.28%	-10.68%				
	353 2003	4,481,128	48,125	1,908,747	(1,858,622)	-41.48%	-22.08%	-20.51%	-19.83%	-15.48%	-16.37%	-15.68%	-14.53%	-13.78%			
	353 2004	11,815,017	166,853	1,594,365	(1,427,513)	-12.08%	-20.17%	-18.09%	-17.68%	-17.62%	-14.61%	-15.31%	-14.83%	-13.99%	-13.43%		
	353 2005	15,299,457	192,342	1,916,978	(1,724,636)	-11.27%	-11.83%	-15.86%	-15.76%	-15.74%	-15.91%	-13.78%	-14.33%	-14.00%	-13.39%		
	353 2006	12,134,258	51,170	1,484,102	(1,432,932)	-11.81%	-11.51%	-11.68%	-14.74%	-14.92%	-14.98%	-15.19%	-13.45%	-13.92%	-13.65%		
	353 2007	4,946,833	635,871	1,745,438	(1,109,568)	-22.43%	-14.88%	-13.18%	-12.89%	-15.52%	-15.52%	-15.53%	-15.67%	-14.02%	-14.45%		
	353 2008	12,264,586	733,438	1,871,566	(1,138,128)	-9.28%	-13.06%	-12.54%	-12.11%	-12.10%	-14.26%	-14.49%	-14.57%	-14.76%	-13.38%		
	353 2009	14,623,484	782,544	2,419,102	(1,636,557)	-11.19%	-10.32%	-12.20%	-12.09%	-11.88%	-11.91%	-13.67%	-13.95%	-14.05%	-14.24%	-12.63%	
	353 2010	18,774,970	591,263	1,745,291	(1,154,028)	-8.15%	-8.36%	-8.60%	-9.96%	-10.31%	-10.50%	-10.71%	-12.17%	-12.59%	-12.74%	-11.92%	
	353 2011	10,534,170	556,647	1,698,305	(1,141,657)	-10.84%	-7.83%	-8.95%	-9.02%	-10.11%	-10.39%	-10.54%	-10.72%	-12.04%	-12.43%	-12.09%	
	353 2012	9,244,490	921,569	1,523,300	(601,731)	-6.51%	-8.81%	-7.52%	-8.53%	-8.67%	-9.63%	-9.95%	-10.16%	-10.37%	-11.59%	-11.85%	
	353 2013	6,631,970	347,589	965,899	(618,310)	-9.32%	-7.68%	-8.94%	-7.78%	-8.61%	-8.73%	-9.61%	-9.91%	-10.11%	-10.31%	-11.49%	
	353 2014	11,963,316	1,128,918	1,844,437	(715,519)	-5.98%	-7.17%	-6.95%	-8.02%	-7.40%	-8.18%	-8.34%	-9.12%	-9.44%	-9.68%	-11.77%	-10.90%
	353 2015	19,050,476	722,573	3,227,204	(2,504,631)	-13.15%	-10.38%	-10.20%	-9.47%	-9.72%	-8.84%	-9.22%	-9.23%	-9.83%	-10.03%	-11.72%	-11.25%
	353 2016	26,373,389	261,278	3,202,094	(2,940,815)	-11.15%	-11.99%	-10.74%	-10.59%	-10.07%	-10.17%	-9.43%	-9.65%	-9.62%	-10.09%	-11.53%	-11.39%
	353 2017	19,089,921	1,467,237	3,355,333	(1,888,096)	-9.89%	-10.62%	-11.37%	-10.52%	-10.43%	-10.04%	-10.12%	-9.51%	-9.69%	-9.65%	-11.10%	-11.33%
	353 2018	30,135,918	1,487,589	6,679,425	(5,191,835)	-17.23%	-14.38%	-13.26%	-13.23%	-12.42%	-12.24%	-11.81%	-11.73%	-11.04%	-11.05%	-11.32%	-11.87%
	353 2019	31,371,271	2,175,617	5,282,548	(3,106,930)	-9.90%	-13.49%	-12.64%	-12.27%	-12.40%	-11.85%	-11.73%	-11.42%	-11.38%	-10.84%	-11.10%	-12.05%
	353 2020	28,470,847	1,318,043	9,826,722	(8,508,680)	-29.89%	-19.41%	-18.68%	-17.14%	-15.97%	-15.63%	-14.93%	-14.72%	-14.30%	-14.11%	-13.18%	-13.60%
	353 2021	31,263,119	1,624,603	9,024,034	(7,399,431)	-23.67%	-26.63%	-20.87%	-19.97%	-18.60%	-17.42%	-16.98%	-16.31%	-16.09%	-15.67%	-14.43%	-14.52%
	354 1995	136,509	33,812	72,435	(38,623)	-28.29%											
	354 1996	16,247	8,636	36,750	(28,114)	-173.04%	-43.69%										
	354 1997	2,845	0	2,260	(2,260)	-79.42%	-159.09%	-44.34%									
	354 1998	272,328	0	27,011	(27,011)	-9.92%	-10.64%	-19.69%	-22.44%								
	354 1999	148,294	0	256,565	(256,565)	-173.01%	-67.42%	-67.50%	-71.40%	-61.19%							
	354 2000	168,917	0	321,684	(321,684)	-190.44%	-182.29%	-102.67%	-102.56%	-104.44%	-90.49%						
	354 2001	541,450	0	319,815	(319,815)	-59.07%	-90.31%	-104.59%	-81.79%	-81.79%	-83.08%	-77.26%					
	354 2002	197,054	0	267,623	(267,623)	-135.81%	-79.54%	-100.19%	-110.42%	-89.81%	-89.79%	-90.79%	-85.04%				
	354 2003	825,904	0	499,708	(499,708)	-60.50%	-75.01%	-69.49%	-81.28%	-88.51%	-78.57%	-78.57%	-79.28%	-78.27%			
	354 2004	657,515	0	309,161	(309,161)	-47.02%	-54.53%	-64.06%	-62.84%	-71.86%	-77.76%	-71.19%	-71.20%	-71.79%	-69.78%		
	354 2005	1,035,029	0	513,783	(513,783)	-49.64%	-48.62%	-52.52%	-58.58%	-58.65%	-65.14%	-69.62%	-65.39%	-65.40%	-65.86%		
	354 2006	1,702,620	0	304,100	(304,100)	-17.86%	-29.88%	-33.20%	-38.54%	-42.88%	-44.64%	-49.45%	-52.92%	-50.81%	-50.82%		
	354 2007	589,631	139,476	432,919	(293,442)	-49.77%	-26.07%	-33.40%	-35.65%	-39.92%	-43.69%	-45.19%	-49.48%	-52.60%	-50.71%		
	354 2008	1,257,165	44,347	291,993	(247,646)	-19.70%	-29.30%	-23.81%	-29.64%	-31.82%	-35.73%	-38.87%	-40.48%	-44.11%	-46.80%		
	354 2009	390,435	97,200	2,512,509	(2,415,309)	-618.62%	-161.63%	-132.15%	-82.76%	-75.87%	-72.50%	-70.97%	-72.89%	-71.85%	-74.57%	-73.59%	
	354 2010	4,552,482	193,081	2,871,663	(2,678,582)	-58.84%	-103.05%	-86.15%	-82.99%	-69.93%	-67.73%	-66.39%	-65.95%	-67.18%	-66.81%	-68.66%	
	354 2011	871,707	448,267	283,017	155,250	17.81%	-46.52%	-84.93%	-73.34%	-71.52%	-61.77%	-60.56%	-59.75%	-59.81%	-61.05%	-62.83%	
	354 2012	998,567	351,838	301,861	49,877	5.00%	10.97%	-38.51%	-71.75%	-63.64%	-62.70%	-55.33%	-54.82%	-54.39%	-54.78%	-58.06%	
	354 2013	849,488	413,746	716,740	(302,994)	-35.67%	-13.69%	-3.59%	-38.18%	-67.75%	-60.98%	-60.28%	-53.84%	-53.49%	-53.16%	-57.66%	
	354 2014	1,465,072	523,943	646,099	(122,157)	-8.34%	-18.37%	-11.32%	-5.26%	-33.17%	-58.22%	-53.55%	-53.35%	-48.58%	-48.66%	-52.11%	-52.42%
	354 2015	831,402	638,428	705,347	(66,918)	-8.05%	-8.23%	-15.64%	-10.67%	-5.72%	-30.99%	-54.03%	-50.18%	-50.16%	-46.09%	-48.53%	-50.49%
	354 2016	1,951,459	130,322	446,608	(316,285)	-16.21%	-13.77%	-11.90%	-15.86%	-12.44%	-8.66%	-28.49%	-47.83%	-45.15%	-45.34%	-44.74%	-46.92%
	354 2017	5,389,737	264,875	1,869,544	(1,604,669)	-29.77%	-26.17%	-24.32%	-21.89%	-23.01%	-20.57%	-17.87%	-28.90%	-42.21%	-40.68%	-40.52%	-43.17%

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FERC Account	Activity Year	Retirements	Salvage	Removal Cost	Net		2-yr	3-yr	4-yr	5-yr	6-yr	7-yr	8-yr	9-yr	10-yr	15-yr	20-yr	
					Salvage	Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %
	354	2018	4,733,948	362,895	2,812,175	(2,449,280)	-51.74%	-40.04%	-36.19%	-34.38%	-31.72%	-31.94%	-29.67%	-27.25%	-33.89%	-44.25%	-41.86%	-44.87%
	354	2019	3,365,213	163,238	1,188,252	(1,025,014)	-30.46%	-42.90%	-37.65%	-34.94%	-33.57%	-31.48%	-31.68%	-29.81%	-27.78%	-33.43%	-40.47%	-42.79%
	354	2020	4,049,031	124,531	1,503,084	(1,378,553)	-34.05%	-32.42%	-39.95%	-36.82%	-34.76%	-33.66%	-31.96%	-32.10%	-30.53%	-28.81%	-39.40%	-41.12%
	354	2021	3,139,726	533,036	2,524,371	(1,991,335)	-63.42%	-46.88%	-41.64%	-44.77%	-40.86%	-38.73%	-37.65%	-35.92%	-35.92%	-34.39%	-42.65%	-42.68%
	355	1995	624,983	27,933	191,849	(163,915)	-26.23%											
	355	1996	433,071	12,339	397,063	(384,724)	-88.84%	-51.85%										
	355	1997	385,242	20,994	241,514	(220,520)	-57.24%	-73.98%	-53.29%									
	355	1998	388,436	2,940	338,702	(335,762)	-86.44%	-71.90%	-77.98%	-60.32%								
	355	1999	939,555	0	678,546	(678,546)	-72.22%	-76.38%	-72.08%	-75.46%	-64.36%							
	355	2000	431,615	(0)	1,223,549	(1,223,549)	-283.48%	-138.72%	-127.18%	-114.62%	-110.29%	-93.88%						
	355	2001	694,613	0	640,539	(640,539)	-92.22%	-165.52%	-123.08%	-117.28%	-109.14%	-106.45%	-93.59%					
	355	2002	837,548	0	714,229	(714,229)	-85.28%	-88.42%	-131.29%	-112.18%	-109.14%	-103.70%	-102.14%	-92.12%				
	355	2003	1,705,007	0	4,793,055	(4,793,055)	-281.12%	-216.60%	-189.91%	-200.92%	-174.68%	-167.82%	-159.91%	-154.61%	-142.15%			
	355	2004	1,615,303	0	8,982,763	(8,982,763)	-556.10%	-414.90%	-348.50%	-311.81%	-309.50%	-273.68%	-262.68%	-251.37%	-241.89%	-225.16%		
	355	2005	4,112,215	33,296	6,309,385	(6,276,089)	-152.62%	-266.41%	-269.79%	-251.10%	-238.79%	-240.84%	-225.51%	-220.48%	-214.82%	-210.09%		
	355	2006	3,050,239	0	4,478,665	(4,478,665)	-146.83%	-150.15%	-224.86%	-234.01%	-223.00%	-215.44%	-217.80%	-207.58%	-204.17%	-200.17%		
	355	2007	2,158,620	408,481	4,813,548	(4,405,067)	-204.07%	-170.55%	-162.64%	-220.75%	-228.90%	-219.97%	-213.71%	-215.77%	-207.10%	-204.15%		
	355	2008	2,590,480	278,859	4,914,900	(4,636,041)	-178.96%	-190.38%	-173.35%	-166.19%	-212.75%	-220.40%	-213.36%	-208.34%	-210.23%	-203.08%		
	355	2009	3,291,165	126,256	4,578,993	(4,452,737)	-135.29%	-154.53%	-167.83%	-162.05%	-159.50%	-197.59%	-205.28%	-200.09%	-196.35%	-198.19%	-182.24%	
	355	2010	3,083,445	152,853	1,806,397	(1,653,544)	-53.63%	-95.79%	-119.82%	-136.17%	-138.47%	-141.65%	-175.29%	-183.64%	-179.97%	-177.33%	-170.61%	
	355	2011	1,635,037	370,624	1,637,477	(1,266,853)	-77.48%	-61.89%	-92.05%	-113.29%	-128.65%	-132.16%	-136.38%	-167.86%	-176.17%	-173.01%	-166.27%	
	355	2012	1,593,180	337,273	1,159,100	(821,827)	-51.58%	-64.70%	-59.29%	-85.34%	-105.23%	-120.10%	-124.78%	-130.10%	-159.85%	-168.18%	-161.27%	
	355	2013	1,808,722	413,746	1,410,441	(996,695)	-55.10%	-53.46%	-61.25%	-58.36%	-80.55%	-98.75%	-112.82%	-118.22%	-124.29%	-152.26%	-155.75%	
	355	2014	6,294,769	523,943	3,012,625	(2,488,682)	-39.54%	-43.01%	-44.42%	-49.19%	-50.14%	-65.97%	-80.39%	-92.28%	-98.80%	-106.27%	-137.04%	-131.70%
	355	2015	7,091,262	831,216	3,236,910	(2,405,694)	-33.92%	-36.56%	-38.77%	-39.99%	-43.31%	-44.79%	-56.80%	-68.36%	-78.27%	-84.69%	-117.93%	-117.48%
	355	2016	14,032,518	800,027	4,373,145	(3,573,119)	-25.46%	-28.30%	-30.88%	-32.38%	-33.37%	-35.60%	-37.16%	-45.48%	-53.83%	-61.27%	-94.62%	-95.33%
	355	2017	12,261,835	692,902	4,587,691	(3,894,790)	-31.76%	-28.40%	-29.57%	-31.15%	-32.20%	-32.92%	-34.55%	-35.78%	-42.19%	-48.79%	-83.12%	-84.35%
	355	2018	13,297,300	879,117	6,233,884	(5,354,767)	-40.27%	-36.19%	-32.39%	-32.62%	-33.44%	-34.16%	-34.65%	-35.86%	-36.75%	-41.79%	-71.47%	-77.23%
	355	2019	8,146,650	802,965	5,662,107	(4,859,142)	-59.65%	-47.63%	-41.86%	-37.04%	-36.64%	-36.93%	-37.46%	-37.81%	-38.79%	-39.45%	-61.06%	-75.69%
	355	2020	6,294,703	439,320	6,516,612	(6,077,292)	-96.55%	-75.73%	-58.73%	-50.46%	-43.97%	-42.81%	-42.50%	-42.83%	-43.03%	-43.80%	-59.29%	-76.13%
	355	2021	9,650,909	1,324,428	12,838,974	(11,514,545)	-119.31%	-110.32%	-93.19%	-74.37%	-63.85%	-55.39%	-53.24%	-52.12%	-52.19%	-52.18%	-62.64%	-80.00%
	356	1995	7,290	57,208	63,321	(6,113)	-83.86%											
	356	1996	52,149	87,521	113,527	(46,006)	-88.22%	-87.68%										
	356	1997	87,526	0	85,123	(85,123)	-97.25%	-93.88%	-93.38%									
	356	1998	169,749	0	74,601	(74,601)	-43.95%	-62.08%	-66.49%	-66.89%								
	356	1999	515,130	0	562,102	(562,102)	-109.12%	-92.97%	-93.45%	-93.12%	-93.04%							
	356	2000	831,899	0	982,922	(982,922)	-118.15%	-114.70%	-106.78%	-106.26%	-105.69%	-105.60%						
	356	2001	1,055,244	0	503,567	(503,567)	-47.72%	-78.77%	-85.28%	-82.55%	-83.03%	-83.13%	-83.14%					
	356	2002	948,568	3,875	750,864	(746,990)	-78.75%	-62.41%	-78.76%	-83.43%	-81.53%	-81.91%	-82.00%	-82.00%				
	356	2003	1,332,528	36,492	2,572,789	(2,536,297)	-190.34%	-143.93%	-113.50%	-114.43%	-113.85%	-111.40%	-111.15%	-110.91%	-110.87%			
	356	2004	283,152	126,519	5,904,934	(5,778,415)	-204.75%	-514.63%	-353.39%	-264.27%	-236.96%	-223.70%	-217.76%	-215.74%	-214.48%	-214.30%		
	356	2005	5,069,942	136,029	3,565,586	(3,429,557)	-67.64%	-172.01%	-175.66%	-163.62%	-149.55%	-146.80%	-144.87%	-143.19%	-142.80%	-142.53%		
	356	2006	1,953,634	38,800	2,637,206	(2,598,406)	-133.01%	-85.83%	-161.58%	-166.02%	-157.39%	-146.51%	-144.46%	-142.94%	-141.56%	-141.24%		
	356	2007	2,053,314	600,473	2,776,428	(2,175,955)	-105.97%	-119.16%	-90.38%	-149.38%	-154.49%	-148.32%	-139.96%	-138.62%	-137.53%	-136.42%		
	356	2008	4,617,410	370,950	3,739,874	(3,368,924)	-72.95%	-83.12%	-94.42%	-84.51%	-124.14%	-129.90%	-126.92%	-122.09%	-121.91%	-121.56%		
	356	2009	3,076,986	237,164	3,398,763	(3,161,598)	-102.75%	-84.87%	-89.32%	-87.86%	-120.28%	-125.36%	-123.07%	-119.17%	-119.13%		-118.15%	
	356	2010	3,989,358	356,116	5,276,588	(4,920,472)	-123.34%	-114.37%	-98.01%	-99.20%	-103.41%	-94.67%	-120.86%	-125.00%	-123.12%	-119.85%	-118.95%	
	356	2011	1,967,594	640,185	1,119,365	(479,180)	-24.35%	-90.64%	-94.77%	-87.39%	-89.82%	-94.60%	-88.59%	-112.61%	-116.86%	-115.43%	-112.35%	
	356	2012	1,438,727	370,777	433,345	(62,568)	-4.35%	-15.90%	-73.86%	-82.35%	-79.47%	-82.65%	-87.80%	-83.57%	-106.24%	-110.58%	-107.09%	
	356	2013	3,025,289	426,284	962,776	(536,492)	-17.73%	-13.42%	-16.76%	-57.56%	-67.86%	-69.16%	-72.91%	-78.22%	-76.25%	-96.49%	-99.02%	
	356	2014	1,906,206	539,820	1,678,391	(1,138,571)	-59.73%	-33.97%	-27.28%	-26.59%	-57.90%	-66.88%	-68.27%	-71.77%	-76.75%	-75.16%	-96.63%	-96.55%
	356	2015	4,103,560	788,410	1,794,654	(1,006,244)	-24.52%	-35.69%	-29.68%	-26.20%	-25.91%	-49.56%	-57.95%	-60.82%	-64.37%	-69.13%	-88.11%	-88.87%

ONCOR ELECTRIC DELIVERY-LEGACY AND NTUSU
TRANSMISSION, DISTRIBUTION, AND GENERAL PLANT
RETIREMENTS REMOVAL COST AND NET SALVAGE ANALYSIS

		Activity						2-yr	3-yr	4-yr	5-yr	6-yr	7-yr	8-yr	9-yr	10-yr	15-yr	20-yr
FERC Account	Year	Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %
	356	2016	13,968,116	752,277	2,089,411	(1,337,134)	-9.57%	-12.97%	-17.43%	-17.47%	-16.70%	-17.27%	-31.19%	-37.77%	-42.03%	-45.30%	-66.91%	-67.73%
	356	2017	7,719,754	702,819	3,052,853	(2,350,035)	-30.44%	-17.00%	-18.20%	-21.06%	-20.73%	-20.00%	-20.25%	-31.04%	-36.39%	-40.08%	-61.73%	-62.89%
	356	2018	17,666,137	989,474	5,192,182	(4,202,708)	-23.79%	-25.81%	-20.05%	-20.47%	-22.12%	-21.85%	-21.34%	-21.46%	-28.74%	-32.61%	-50.17%	-54.02%
	356	2019	5,579,617	754,156	3,423,568	(2,669,412)	-47.84%	-29.56%	-29.78%	-23.50%	-23.59%	-24.94%	-24.53%	-24.01%	-24.02%	-30.48%	-42.79%	-53.26%
	356	2020	5,756,643	432,396	4,283,233	(3,850,836)	-66.89%	-57.52%	-36.97%	-35.60%	-28.43%	-28.14%	-29.20%	-28.62%	-28.05%	-27.93%	-42.96%	-53.54%
	356	2021	12,717,017	1,129,200	4,294,268	(3,165,068)	-24.89%	-37.98%	-40.27%	-33.29%	-32.84%	-27.72%	-27.52%	-28.41%	-27.96%	-27.50%	-38.43%	-49.93%
	357	1995	7,290	0	0	0	0.00%											
	357	1996	49,732	0	0	0	0.00%	0.00%										
	357	1997	0	0	0	0	NA	0.00%	0.00%									
	357	1998	0	0	0	0	NA	NA	0.00%	0.00%								
	357	1999	215,305	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%							
	357	2000	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%						
	357	2001	0	0	0	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%					
	357	2002	0	0	0	0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%				
	357	2003	0	0	0	0	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	357	2004	0	0	0	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	357	2005	96,617	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	357	2006	38,628	0	40,732	(40,732)	-105.45%	-30.12%	-30.12%	-30.12%	-30.12%	-30.12%	-30.12%	-11.62%	-11.62%	-11.62%		
	357	2007	0	0	0	0	NA	-105.45%	-30.12%	-30.12%	-30.12%	-30.12%	-30.12%	-30.12%	-11.62%	-11.62%		
	357	2008	2,592	0	0	0	0.00%	0.00%	-98.82%	-29.55%	-29.55%	-29.55%	-29.55%	-29.55%	-29.55%	-29.55%	-9.93%	
	357	2009	0	0	0	0	NA	0.00%	0.00%	-98.82%	-29.55%	-29.55%	-29.55%	-29.55%	-29.55%	-29.55%	-10.11%	
	357	2010	0	0	0	0	NA	NA	0.00%	0.00%	-98.82%	-29.55%	-29.55%	-29.55%	-29.55%	-29.55%	-11.53%	
	357	2011	0	0	0	0	NA	NA	NA	0.00%	-98.82%	-29.55%	-29.55%	-29.55%	-29.55%	-29.56%	-11.54%	
	357	2012	0	0	10	(10)	NA	NA	NA	NA	-0.39%	-0.39%	-98.84%	-29.56%	-29.56%	-29.56%	-11.54%	
	357	2013	19,192	0	149	(149)	-0.78%	-0.83%	-0.83%	-0.83%	-0.83%	-0.73%	-0.73%	-67.69%	-26.04%	-26.04%	-10.98%	
	357	2014	0	0	0	0	NA	-0.78%	-0.83%	-0.83%	-0.83%	-0.83%	-0.73%	-0.73%	-67.69%	-26.04%	-26.04%	-9.52%
	357	2015	0	576	0	576	NA	NA	2.23%	2.17%	2.17%	2.17%	2.17%	1.91%	1.91%	-66.73%	-25.67%	-9.55%
	357	2016	0	0	0	0	NA	NA	NA	2.23%	2.17%	2.17%	2.17%	1.91%	1.91%	-25.67%	-10.83%	
	357	2017	0	16	168	(152)	NA	NA	NA	NA	1.43%	1.38%	1.38%	1.38%	1.38%	-25.77%	-10.87%	
	357	2018	0	85	5,541	(5,455)	NA	NA	NA	NA	NA	-26.99%	-27.04%	-27.04%	-27.04%	-29.24%	-12.33%	
	357	2019	0	(67)	237	(303)	NA	NA	NA	NA	NA	NA	-28.57%	-28.63%	-28.63%	-29.44%	-29.44%	
	357	2020	181,207	0	159	(159)	-0.09%	-0.26%	-3.27%	-3.35%	-3.35%	-3.03%	-3.03%	-2.82%	-2.82%	-2.82%	-19.20%	-13.71%
	357	2021	136,005	213	72,083	(71,870)	-52.84%	-22.71%	-22.80%	-24.52%	-24.57%	-24.57%	-24.39%	-24.39%	-23.04%	-23.04%	-22.87%	-24.94%
	358	1995	0	0	0	0	NA											
	358	1996	0	0	0	0	NA	NA										
	358	1997	0	0	0	0	NA	NA	NA									
	358	1998	0	0	0	0	NA	NA	NA	NA								
	358	1999	158,838	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%							
	358	2000	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%						
	358	2001	0	0	0	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%					
	358	2002	0	0	0	0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%				
	358	2003	0	0	0	0	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	358	2004	0	0	0	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%		
	358	2005	104,462	0	38,501	(38,501)	-36.86%	-36.86%	-36.86%	-36.86%	-36.86%	-36.86%	-14.62%	-14.62%	-14.62%	-14.62%		
	358	2006	10,470	0	16,615	(16,615)	-158.70%	-47.96%	-47.96%	-47.96%	-47.96%	-47.96%	-47.96%	-20.13%	-20.13%	-20.13%		
	358	2007	0	0	0	0	NA	-158.70%	-47.96%	-47.96%	-47.96%	-47.96%	-47.96%	-20.13%	-20.13%	-20.13%		
	358	2008	0	0	0	0	NA	NA	-158.70%	-47.96%	-47.96%	-47.96%	-47.96%	-20.13%	-20.13%	-20.13%		
	358	2009	14,211	0	0	0	0.00%	0.00%	0.00%	-67.32%	-42.68%	-42.68%	-42.68%	-42.68%	-42.68%	-42.68%	-19.14%	
	358	2010	16,066	0	100,900	(100,900)	-628.05%	-333.26%	-333.26%	-333.26%	-288.41%	-107.44%	-107.44%	-107.44%	-107.44%	-107.44%	-51.31%	
	358	2011	0	0	358,782	(358,782)	NA	-2861.28%	-1518.26%	-1518.26%	-1518.26%	-1168.93%	-354.52%	-354.52%	-354.52%	-354.52%	-169.32%	
	358	2012	39,872	0	876	(876)	-2.20%	-902.03%	-823.34%	-856.54%	-856.54%	-656.54%	-591.89%	-278.62%	-278.62%	-278.62%	-149.94%	
	358	2013	417,560	0	4,813	(4,813)	-1.15%	-1.24%	-79.68%	-98.28%	-95.42%	-95.42%	-95.42%	-96.75%	-86.37%	-86.37%	-68.35%	

ONCOR ELECTRIC DELIVERY-LEGACY AND NTUSU
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RETIREMENTS REMOVAL COST AND NET SALVAGE ANALYSIS

FERC Account	Activity Year	Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2-yr Net Salv. %	3-yr Net Salv. %	4-yr Net Salv. %	5-yr Net Salv. %	6-yr Net Salv. %	7-yr Net Salv. %	8-yr Net Salv. %	9-yr Net Salv. %	10-yr Net Salv. %	15-yr Net Salv. %	20-yr Net Salv. %
	358 2014	0	0	298	(298)	NA	-1.22%	-1.31%	-79.74%	-98.35%	-95.48%	-95.48%	-95.48%	-96.81%	-86.42%	-86.42%	-68.39%
	358 2015	1,133	18,629	4,156	14,473	1277.66%	1251.37%	2.24%	1.85%	-76.39%	-95.06%	-92.30%	-92.30%	-92.30%	-92.30%	-93.69%	-66.39%
	358 2016	21,127	0	22,793	(22,793)	-107.89%	-37.38%	-38.71%	-3.05%	-2.98%	-77.78%	-95.61%	-92.94%	-92.94%	-92.94%	-84.67%	-67.51%
	358 2017	77,825	196	19,217	(19,022)	-24.44%	-42.26%	-27.32%	-27.62%	-6.27%	-5.98%	-70.33%	-85.95%	-83.87%	-83.87%	-78.00%	-63.62%
	358 2018	133,817	1,453	239,739	(238,286)	-178.07%	-121.58%	-120.33%	-113.56%	-113.69%	-41.56%	-39.29%	-91.19%	-103.38%	-101.34%	-94.01%	-79.01%
	358 2019	433,767	(38)	59,012	(59,049)	-13.61%	-52.39%	-49.02%	-50.88%	-48.63%	-48.67%	-30.39%	-29.39%	-61.28%	-69.26%	-66.56%	-66.56%
	358 2020	109,678	440	533,892	(533,452)	-486.38%	-109.03%	-122.67%	-112.54%	-112.42%	-110.39%	-110.43%	-72.24%	-69.89%	-99.04%	-105.09%	-99.92%
	358 2021	459,423	0	3,791	(3,791)	-0.83%	-94.40%	-59.46%	-73.42%	-70.28%	-70.93%	-69.69%	-69.72%	-52.41%	-51.23%	-76.98%	-75.17%
360 Easements																	
	360 1995	19,645	0	0	0	0.00%											
	360 1996	14,542	0	0	0	0.00%	0.00%										
	360 1997	6,341	0	0	0	0.00%	0.00%	0.00%									
	360 1998	0	0	0	0	NA	0.00%	0.00%	0.00%								
	360 1999	215,305	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%							
	360 2000	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%						
	360 2001	0	0	0	0	NA	NA	0.00%	0.00%	0.00%		0.00%					
	360 2002	0	0	0	0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%				
	360 2003	46,081	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%			
	360 2004	44,941	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
	360 2005	19,166	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	360 2006	112,133	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	360 2007	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	360 2008	122,502	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	360 2009	155,285	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	360 2010	71,340	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	360 2011	111,251	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	360 2012	111,126	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	360 2013	278,253	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	360 2014	293,005	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	360 2015	141,516	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	360 2016	495,643	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	360 2017	345,454	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	360 2018	314,565	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	360 2019	136,710	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	360 2020	33	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	360 2021	399,615	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	361 1995	3,810	0	0	0	0.00%											
	361 1996	79,076	0	0	0	0.00%	0.00%										
	361 1997	2,981	0	0	0	0.00%	0.00%	0.00%									
	361 1998	0	0	0	0	NA	0.00%	0.00%	0.00%								
	361 1999	9,801	0	2,479	(2,479)	-25.30%	-25.30%	-19.40%	-2.70%	-2.59%							
	361 2000	23,455	0	1,189	(1,189)	-5.07%	-11.03%	-11.03%	-10.12%	-3.18%	-3.08%						
	361 2001	395	0	1,451	(1,451)	-367.26%	-11.07%	-15.21%	-15.21%	-13.98%	-4.42%	-4.28%					
	361 2002	983	0	1,211	(1,211)	-123.18%	-15.51%	-18.28%	-18.28%	-16.83%	-16.83%	-5.43%	-5.25%				
	361 2003	4,111	0	117	(117)	-2.86%	-26.08%	-50.64%	-13.71%	-16.64%	-16.64%	-15.45%	-5.34%	-5.17%			
	361 2004	60,110	0	73,233	(73,233)	-121.83%	-114.21%	-114.35%	-115.87%	-86.69%	-80.60%	-80.60%	-78.24%	-44.04%	-43.14%		
	361 2005	23,075	0	62,087	(62,087)	-269.07%	-162.67%	-155.15%	-154.79%	-155.74%	-124.22%	-116.27%	-116.27%	-113.49%	-69.50%		
	361 2006	96,761	0	123,081	(123,081)	-127.20%	-154.52%	-143.60%	-140.46%	-140.36%	-140.85%	-125.60%	-121.11%	-121.11%	-119.48%		
	361 2007	0	0	47,953	(47,953)	NA	-176.76%	-194.53%	-170.25%	-166.51%	-166.28%	-166.71%	-148.56%	-143.03%	-143.03%		
	361 2008	175,146	0	43,173	(43,173)	-24.65%	-52.03%	-78.78%	-93.66%	-98.43%	-97.34%	-97.41%	-97.71%	-92.05%	-90.39%		

ONCOR ELECTRIC DELIVERY-LEGACY AND NTUSU
TRANSMISSION, DISTRIBUTION, AND GENERAL PLANT
RETIREMENTS REMOVAL COST AND NET SALVAGE ANALYSIS

FERC Account	Activity Year	Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %	15- yr Net Salv. %	20- yr Net Salv. %
	361	2009	48,238	0	33,321	(33,321)	-69.08%	-34.24%	-55.71%	-77.32%	-90.21%	-94.92%	-93.99%	-94.06%	-94.33%	-89.48%	-73.74%
	361	2010	36,719	133,840	46,485	87,355	237.90%	63.60%	4.18%	-14.26%	-44.88%	-58.50%	-67.15%	-66.56%	-66.68%	-66.95%	-53.84%
	361	2011	66,651	90,666	37,554	53,112	79.69%	135.89%	70.67%	19.58%	4.90%	-25.28%	-37.88%	-47.84%	-47.47%	-47.62%	-45.37%
	361	2012	160,384	25,230	79,177	(53,947)	-33.64%	-0.37%	32.80%	17.05%	2.06%	-7.79%	-27.57%	-36.76%	-44.42%	-44.17%	-42.90%
	361	2013	26,479	939	40,605	(39,666)	-149.80%	-50.10%	-15.98%	16.14%	4.00%	-5.77%	-15.11%	-32.88%	-41.48%	-48.44%	-46.76%
	361	2014	245,845	16,959	59,394	(42,434)	-17.26%	-30.15%	-31.44%	-16.61%	0.82%	-4.95%	-9.49%	-15.80%	-28.39%	-34.71%	-39.49%
	361	2015	37,812	24,771	77,684	(52,913)	-139.94%	-33.61%	-43.53%	-40.16%	-25.29%	-8.45%	-13.15%	-15.68%	-21.69%	-33.11%	-44.18%
	361	2016	180,628	6,073	47,866	(41,793)	-23.14%	-43.36%	-29.54%	-36.03%	-35.44%	-24.75%	-11.97%	-15.40%	-17.05%	-21.96%	-40.80%
	361	2017	83,068	11,592	87,017	(75,426)	-90.80%	-44.45%	-56.43%	-38.84%	-43.96%	-41.70%	-31.60%	-19.78%	-22.47%	-22.83%	-44.07%
	361	2018	88,662	15,751	138,797	(123,046)	-138.78%	-115.57%	-68.19%	-75.14%	-52.77%	-56.65%	-52.16%	-42.28%	-31.18%	-33.05%	-50.51%
	361	2019	238,158	8,144	167,059	(158,915)	-66.73%	-86.27%	-87.19%	-67.60%	-71.95%	-56.57%	-59.31%	-55.43%	-47.44%	-38.45%	-50.23%
	361	2020	265,861	19,509	212,402	(192,894)	-72.55%	-69.80%	-80.12%	-81.43%	-69.14%	-72.13%	-60.30%	-62.33%	-58.86%	-52.24%	-50.74%
	361	2021	180,333	13,428	54,542	(41,114)	-22.80%	-52.45%	-57.42%	-66.75%	-69.08%	-61.08%	-63.85%	-55.18%	-57.04%	-54.55%	-43.96%
	362	1995	2,589,499	104,111	147,526	(43,414)	-1.68%										
	362	1996	986,289	15,273	90,335	(75,063)	-7.61%	-3.31%									
	362	1997	1,445,857	4,539	136,730	(132,191)	-9.14%	-8.52%	-4.99%								
	362	1998	630,555	20,137	322,893	(302,756)	-48.01%	-20.95%	-16.65%	-9.79%							
	362	1999	2,687,263	0	580,866	(580,866)	-21.62%	-26.63%	-21.32%	-18.97%	-13.60%						
	362	2000	1,227,868	0	773,107	(773,107)	-62.96%	-34.58%	-36.45%	-29.86%	-26.71%	-19.94%					
	362	2001	2,554,901	0	750,872	(750,872)	-29.39%	-40.29%	-32.53%	-33.91%	-29.72%	-27.43%	-21.93%				
	362	2002	3,451,153	0	773,371	(773,371)	-22.41%	-25.38%	-31.76%	-29.01%	-30.15%	-27.62%	-26.10%	-22.04%			
	362	2003	5,384,330	206	810,868	(810,662)	-15.06%	-17.93%	-20.50%	-24.63%	-24.10%	-25.05%	-23.72%	-22.86%	-20.24%		
	362	2004	9,289,372	1,941	1,255,603	(1,253,662)	-13.50%	-14.07%	-15.66%	-17.35%	-19.91%	-20.10%	-20.79%	-20.16%	-19.71%	-18.17%	
	362	2005	10,022,503	72,346	1,644,214	(1,571,867)	-15.68%	-14.63%	-14.72%	-15.67%	-16.81%	-18.58%	-18.82%	-19.34%	-18.94%	-18.64%	
	362	2006	8,249,617	7,236	1,453,153	(1,445,917)	-17.53%	-16.52%	-15.50%	-15.43%	-16.09%	-16.96%	-18.37%	-18.57%	-19.00%	-18.68%	
	362	2007	3,868,979	274,139	933,524	(659,385)	-17.04%	-17.37%	-16.61%	-15.69%	-15.60%	-16.18%	-16.97%	-18.25%	-18.44%	-18.84%	
	362	2008	8,009,423	357,642	1,276,232	(918,590)	-11.47%	-13.28%	-15.02%	-15.24%	-14.83%	-14.86%	-15.40%	-16.10%	-17.21%	-17.42%	
	362	2009	5,130,389	219,853	1,320,740	(1,100,888)	-21.46%	-15.37%	-15.75%	-16.33%	-16.15%	-15.59%	-15.54%	-15.98%	-16.59%	-17.59%	-17.08%
	362	2010	4,636,579	144,987	1,233,337	(1,088,350)	-23.47%	-22.41%	-17.48%	-17.40%	-17.44%	-17.00%	-16.34%	-16.21%	-16.58%	-17.12%	-18.11%
	362	2011	3,891,205	330,027	1,136,646	(806,619)	-20.73%	-22.22%	-21.93%	-18.07%	-17.91%	-17.82%	-17.33%	-16.66%	-16.51%	-16.84%	-18.40%
	362	2012	7,214,978	468,514	1,530,458	(1,061,945)	-14.72%	-16.82%	-18.78%	-19.44%	-17.23%	-17.21%	-17.27%	-16.96%	-16.43%	-16.31%	-18.23%
	362	2013	5,574,943	290,912	1,151,471	(860,560)	-15.44%	-15.03%	-16.36%	-17.91%	-18.60%	-16.94%	-16.95%	-17.05%	-16.81%	-16.34%	-17.81%
	362	2014	5,592,330	329,522	1,102,467	(772,945)	-13.82%	-14.63%	-14.66%	-15.72%	-17.06%	-17.76%	-16.50%	-16.55%	-16.71%	-16.54%	-17.42%
	362	2015	8,094,020	252,056	1,622,276	(1,370,221)	-16.93%	-15.66%	-15.59%	-15.36%	-16.04%	-17.03%	-17.59%	-16.58%	-16.61%	-16.74%	-17.47%
	362	2016	10,399,467	181,093	2,520,832	(2,339,739)	-22.50%	-20.06%	-18.61%	-18.02%	-17.37%	-17.69%	-18.28%	-18.60%	-17.63%	-17.59%	-17.04%
	362	2017	11,321,725	153,596	2,873,686	(2,720,089)	-24.03%	-23.29%	-21.57%	-20.34%	-19.68%	-18.93%	-19.07%	-19.43%	-19.60%	-18.66%	-17.61%
	362	2018	14,062,079	186,426	4,033,818	(3,847,392)	-27.36%	-25.87%	-24.89%	-23.42%	-22.34%	-21.64%	-20.84%	-20.83%	-21.00%	-21.03%	-18.91%
	362	2019	15,831,290	205,051	4,179,120	(3,974,068)	-25.10%	-26.16%	-25.58%	-24.96%	-23.87%	-23.01%	-22.41%	-21.70%	-21.66%	-21.75%	-20.13%
	362	2020	16,444,707	155,107	4,655,113	(4,500,068)	-27.36%	-26.26%	-26.09%	-25.54%	-24.62%	-23.88%	-22.61%	-22.69%	-22.61%	-21.40%	-20.52%
	362	2021	18,420,722	586,466	7,251,801	(6,665,335)	-36.18%	-32.02%	-29.86%	-29.32%	-28.53%	-27.81%	-26.88%	-26.15%	-25.58%	-24.89%	-23.60%
	364	1998	6,491,027	289,808	3,339,597	(3,049,789)	-46.98%										
	364	1999	11,016,801	0	3,937,172	(3,937,172)	-35.74%	-39.91%									
	364	2000	8,009,209	0	3,915,907	(3,915,907)	-48.89%	-41.28%	-42.73%								
	364	2001	8,119,676	0	5,054,424	(5,054,424)	-62.25%	-55.62%	-47.55%	-47.44%							
	364	2002	6,742,868	0	5,252,877	(5,252,877)	-77.90%	-69.35%	-62.19%	-53.59%	-52.53%						
	364	2003	7,003,359	0	6,321,782	(6,321,782)	-90.27%	-84.20%	-76.05%	-68.77%	-59.87%	-58.11%					
	364	2004	6,850,463	0	6,389,162	(6,389,162)	-96.07%	-93.09%	-88.07%	-80.72%	-73.74%	-64.93%	-62.78%				
	364	2005	7,315,491	0	7,079,343	(7,079,343)	-96.77%	-96.44%	-94.38%	-90.37%	-84.00%	-77.58%	-69.18%	-66.83%			
	364	2006	10,516,061	0	9,707,832	(9,707,832)	-92.31%	-94.14%	-94.67%	-93.69%	-90.90%	-85.88%	-80.43%	-72.90%	-70.56%		
	364	2007	10,254,396	0	7,147,170	(7,147,170)	-69.70%	-81.15%	-85.22%	-87.30%	-87.79%	-86.42%	-82.95%	-78.73%	-72.47%	-70.45%	
	364	2008	5,945,629	389,641	6,627,620	(6,237,979)	-104.92%	-82.62%	-86.44%	-88.66%	-89.87%	-88.93%	-88.44%	-85.04%	-80.94%	-74.83%	
	364	2009	8,430,536	149,492	6,873,176	(6,723,684)	-79.75%	-90.16%	-81.64%	-84.84%	-86.89%	-88.13%	-88.40%	-87.27%	-84.41%	-80.81%	

**ONCOR ELECTRIC DELIVERY-LEGACY AND NTUSU
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RETIREMENTS REMOVAL COST AND NET SALVAGE ANALYSIS**

FERC Account	Activity Year	Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %	15- yr Net Salv. %	20- yr Net Salv. %
364	2010	6,302,021	624,827	7,962,796	(7,337,969)	-116.44%	-95.45%	-98.17%	-88.73%	-89.64%	-90.71%	-91.35%	-91.23%	-89.93%	-87.02%		
364	2011	7,539,360	458,048	9,604,071	(9,146,022)	-121.31%	-119.09%	-104.20%	-104.35%	-95.12%	-94.51%	-94.81%	-94.94%	-94.47%	-93.02%		
364	2012	8,225,576	754,654	9,763,726	(9,009,072)	-109.53%	-115.16%	-115.53%	-105.64%	-105.52%	-97.65%	-96.67%	-96.68%	-96.63%	-96.06%	-81.23%	
364	2013	9,608,825	708,086	9,009,537	(8,301,451)	-86.39%	-97.06%	-104.27%	-106.69%	-101.03%	-101.53%	-95.73%	-95.19%	-95.35%	-95.41%	-83.47%	
364	2014	9,752,449	326,342	15,180,181	(14,853,840)	-152.31%	-119.60%	-116.59%	-117.61%	-117.43%	-111.06%	-110.40%	-104.08%	-102.47%	-101.97%	-93.41%	
364	2015	11,788,209	581,874	15,156,356	(14,574,482)	-123.64%	-136.62%	-121.12%	-118.70%	-119.12%	-118.80%	-113.46%	-112.71%	-107.05%	-105.29%	-99.15%	
364	2016	12,842,479	582,673	19,978,595	(19,395,922)	-151.03%	-137.92%	-142.00%	-129.85%	-126.65%	-125.98%	-125.07%	-119.94%	-118.83%	-113.27%	-106.64%	
364	2017	12,432,257	0	18,344,425	(18,344,425)	-147.56%	-149.32%	-141.15%	-143.48%	-133.75%	-130.67%	-129.69%	-128.63%	-123.89%	-122.67%	-111.86%	-98.17%
364	2018	18,967,160	623	21,307,722	(21,307,098)	-112.34%	-126.28%	-133.47%	-131.40%	-134.50%	-128.37%	-126.51%	-126.08%	-125.46%	-121.82%	-112.95%	-101.37%
364	2019	20,606,111	6,155	23,833,678	(23,827,522)	-115.63%	-114.05%	-122.06%	-127.80%	-127.16%	-130.00%	-125.63%	-124.36%	-124.16%	-123.74%	-114.00%	-106.53%
364	2020	23,508,510	4,853	30,010,707	(30,005,855)	-127.64%	-122.03%	-119.12%	-123.80%	-127.76%	-127.27%	-129.49%	-126.03%	-124.96%	-124.76%	-116.52%	-111.04%
364	2021	16,409,476	4,060	31,975,912	(31,971,853)	-194.84%	-155.26%	-141.77%	-134.75%	-136.48%	-138.26%	-136.78%	-137.98%	-134.34%	-132.92%	-124.96%	-119.06%
365	1998	7,308,957	223,155	3,071,567	(2,848,412)	-38.97%											
365	1999	7,610,063	60,868	3,807,225	(3,746,356)	-49.23%	-44.20%										
365	2000	6,706,855	628	3,021,756	(3,021,128)	-45.05%	-47.27%	-44.46%									
365	2001	6,957,634	217,108	4,128,830	(3,911,722)	-56.22%	-50.74%	-50.20%	-47.33%								
365	2002	4,995,290	449,826	3,012,412	(2,562,586)	-51.30%	-54.17%	-50.89%	-50.41%	-47.92%							
365	2003	5,699,520	379,194	4,074,221	(3,695,027)	-64.83%	-58.51%	-57.61%	-54.15%	-52.98%	-50.37%						
365	2004	5,329,559	404	3,429,554	(3,429,151)	-64.34%	-64.59%	-60.45%	-59.17%	-55.98%	-54.60%	-52.04%					
365	2005	6,052,374	555,838	7,273,871	(6,718,033)	-111.00%	-89.15%	-81.04%	-74.31%	-69.97%	-65.30%	-62.48%	-59.08%				
365	2006	10,448,055	415,010	4,701,616	(4,286,607)	-41.03%	-66.69%	-66.12%	-65.85%	-63.62%	-62.31%	-59.81%	-58.31%	-56.00%			
365	2007	6,008,934	742,547	2,870,204	(2,127,657)	-35.41%	-38.98%	-58.49%	-59.49%	-58.40%	-59.22%	-58.76%	-57.00%	-56.01%	-54.15%		
365	2008	7,715,587	1,168,923	2,683,190	(1,514,267)	-19.63%	-26.54%	-32.80%	-48.46%	-50.84%	-52.77%	-52.61%	-53.09%	-52.19%	-51.85%		
365	2009	5,945,731	450,759	3,023,734	(2,572,975)	-43.27%	-29.92%	-31.60%	-34.87%	-47.61%	-49.76%	-51.58%	-51.55%	-52.10%	-51.38%		
365	2010	4,236,278	1,961,627	2,312,743	(351,116)	-8.29%	-28.72%	-24.80%	-27.47%	-31.59%	-43.48%	-45.91%	-48.01%	-48.30%	-49.17%		
365	2011	6,258,085	1,370,246	2,918,365	(1,548,116)	-24.74%	-18.10%	-27.20%	-24.78%	-26.90%	-30.53%	-40.97%	-43.37%	-45.49%	-45.95%		
365	2012	5,818,659	2,259,922	3,330,767	(1,070,845)	-18.40%	-21.69%	-18.21%	-24.90%	-23.54%	-25.53%	-29.01%	-38.47%	-40.85%	-43.01%	-44.70%	
365	2013	7,612,723	2,120,579	7,070,695	(4,950,116)	-65.02%	-44.83%	-38.44%	-33.10%	-35.13%	-31.95%	-32.42%	-34.09%	-41.83%	-43.67%	-46.72%	
365	2014	6,460,185	1,053,238	8,409,124	(7,355,885)	-113.86%	-87.44%	-67.25%	-57.08%	-50.27%	-49.13%	-43.96%	-42.93%	-42.60%	-48.82%	-51.03%	
365	2015	7,861,558	1,744,858	7,188,264	(5,443,407)	-69.24%	-89.37%	-80.92%	-67.81%	-59.89%	-54.17%	-52.71%	-47.79%	-46.50%	-45.67%	-52.91%	
365	2016	8,528,284	1,656,141	8,087,814	(6,431,672)	-75.42%	-72.45%	-84.16%	-79.38%	-69.60%	-63.00%	-58.05%	-56.38%	-51.69%	-50.22%	-54.62%	
365	2017	7,821,132	1,216,941	11,912,655	(10,695,714)	-136.75%	-104.76%	-93.23%	-97.57%	-91.10%	-81.51%	-74.45%	-69.32%	-66.76%	-61.43%	-61.09%	-57.82%
365	2018	16,891,786	1,866,619	13,843,027	(11,976,408)	-70.90%	-91.74%	-87.55%	-84.05%	-88.10%	-84.92%	-78.57%	-73.56%	-69.69%	-67.67%	-62.37%	-60.30%
365	2019	16,488,842	1,574,372	15,404,154	(13,829,782)	-83.87%	-77.31%	-88.59%	-86.33%	-84.00%	-87.01%	-84.68%	-79.70%	-75.59%	-72.35%	-65.14%	-63.37%
365	2020	22,417,828	568,152	20,932,855	(20,364,704)	-90.84%	-87.89%	-82.75%	-89.39%	-87.73%	-85.92%	-88.00%	-86.15%	-82.20%	-78.81%	-67.27%	-67.73%
365	2021	15,561,057	917,427	21,843,447	(20,926,020)	-134.48%	-108.72%	-101.20%	-94.03%	-98.25%	-96.03%	-93.82%	-95.09%	-93.00%	-89.25%	-76.33%	-74.01%
366	1998	361,379	86,033	132,834	(46,801)	-12.95%											
366	1999	671,292	8,694	435,852	(427,158)	-63.63%	-45.90%										
366	2000	907,061	0	574,921	(574,921)	-63.38%	-63.49%	-54.07%									
366	2001	3,602,922	16,987	1,095,297	(1,078,310)	-29.93%	-36.66%	-40.15%	-38.38%								
366	2002	1,463,256	0	834,763	(834,763)	-57.05%	-37.76%	-41.65%	-43.67%	-42.28%							
366	2003	973,893	0	274,335	(274,335)	-28.17%	-45.51%	-36.21%	-39.76%	-41.87%	-40.56%						
366	2004	979,694	0	742,718	(742,718)	-75.81%	-52.06%	-54.20%	-41.74%	-44.22%	-45.73%	-44.41%					
366	2005	978,259	0	867,171	(867,171)	-88.64%	-82.22%	-64.27%	-61.86%	-47.48%	-49.10%	-50.12%	-48.77%				
366	2006	890,928	0	954,752	(954,752)	-107.16%	-97.47%	-90.02%	-74.26%	-69.50%	-53.46%	-54.38%	-54.97%	-53.57%			
366	2007	722,853	0	559,418	(559,418)	-77.39%	-93.83%	-91.87%	-87.47%	-74.76%	-70.45%	-55.28%	-55.98%	-56.42%	-55.06%		
366	2008	2,111,760	0	239,578	(239,578)	-11.34%	-28.19%	-47.07%	-55.72%	-59.18%	-54.65%	-55.08%	-47.35%	-48.50%	-49.26%		
366	2009	865,257	0	238,511	(238,511)	-27.57%	-16.06%	-28.04%	-43.40%	-51.34%	-55.01%	-51.53%	-52.43%	-45.99%	-47.16%		
366	2010	891,919	0	185,203	(185,203)	-20.76%	-24.11%	-17.14%	-26.63%	-39.72%	-47.12%	-50.90%	-48.27%	-49.57%	-44.32%		
366	2011	991,587	0	133,571	(133,571)	-13.47%	-16.92%	-20.27%	-16.39%	-24.29%	-35.70%	-42.65%	-46.50%	-44.60%	-46.28%		
366	2012	974,008	0	188,912	(188,912)	-19.40%	-16.41%	-17.77%	-20.04%	-16.90%	-23.56%	-33.56%	-39.96%	-43.68%	-42.24%	-42.25%	
366	2013	721,352	0	72,200	(72,200)	-10.01%	-15.40%	-14.69%	-16.20%	-18.42%	-16.14%	-22.22%	-31.48%	-37.60%	-41.29%	-41.54%	

ONCOR ELECTRIC DELIVERY-LEGACY AND NTUSU
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FERC Account	Activity Year	Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %	15- yr Net Salv. %	20- yr Net Salv. %
	366	2014	1,685,549	0	448,378	(448,378)	-26.60%	-21.63%	-20.99%	-19.28%	-19.53%	-20.67%	-18.28%	-23.04%	-30.65%	-35.89%	-39.41%
	366	2015	1,391,152	0	382,310	(382,310)	-27.48%	-27.00%	-23.77%	-22.88%	-21.26%	-21.19%	-21.93%	-19.61%	-23.64%	-30.26%	-37.41%
	366	2016	944,551	0	1,111,686	(1,111,686)	-117.69%	-63.96%	-48.30%	-42.48%	-38.55%	-34.84%	-33.19%	-32.61%	-28.37%	-31.50%	-43.61%
	366	2017	913,277	0	1,011,773	(1,011,773)	-110.78%	-114.30%	-77.12%	-59.87%	-53.51%	-48.50%	-43.94%	-41.51%	-40.22%	-34.92%	-46.21%
	366	2018	1,177,291	0	1,321,096	(1,321,096)	-112.21%	-111.59%	-113.49%	-86.46%	-69.95%	-63.62%	-58.10%	-53.07%	-50.10%	-48.25%	-52.08%
	366	2019	1,310,005	0	1,422,539	(1,422,539)	-108.59%	-110.31%	-110.43%	-112.01%	-91.51%	-76.77%	-70.86%	-65.36%	-60.27%	-57.07%	-55.14%
	366	2020	1,322,001	0	2,303,532	(2,303,532)	-174.25%	-141.57%	-132.50%	-128.30%	-126.53%	-107.01%	-91.51%	-85.30%	-79.15%	-73.45%	-62.51%
	366	2021	902,536	916,462	2,493,729	(1,577,267)	-174.76%	-174.45%	-150.04%	-140.59%	-135.75%	-133.16%	-114.69%	-99.30%	-93.08%	-86.76%	-66.15%
	367	1998	5,069,458	245,632	847,131	(601,499)	-11.87%										
	367	1999	8,318,488	53,959	2,125,696	(2,071,737)	-24.91%	-19.97%									
	367	2000	9,748,031	97,580	2,313,358	(2,215,778)	-22.73%	-23.73%	-21.13%								
	367	2001	13,177,508	9,091	2,823,959	(2,814,868)	-21.36%	-21.94%	-22.73%	-21.21%							
	367	2002	10,654,883	849,646	2,099,633	(1,249,987)	-11.73%	-17.06%	-18.70%	-19.93%	-19.06%						
	367	2003	7,463,853	92,751	954,751	(662,000)	-11.55%	-11.66%	-15.74%	-17.40%	-18.67%	-18.03%					
	367	2004	7,766,649	550,674	2,022,018	(1,471,344)	-18.94%	-15.32%	-13.84%	-16.38%	-17.65%	-18.70%	-18.15%				
	367	2005	7,551,340	577,516	2,581,877	(2,004,361)	-26.54%	-22.69%	-19.04%	-16.71%	-18.03%	-18.84%	-19.62%	-19.06%			
	367	2006	10,576,426	513,895	1,035,117	(521,221)	-4.93%	-13.93%	-15.44%	-14.57%	-13.88%	-15.60%	-16.64%	-17.20%	-17.55%		
	367	2007	8,101,939	1,010,989	1,343,201	(332,213)	-4.10%	-4.57%	-10.90%	-12.73%	-12.52%	-12.36%	-14.18%	-15.29%	-16.25%	-16.00%	
	367	2008	15,845,710	194,821	2,677,173	(2,482,352)	-15.67%	-11.75%	-9.66%	-12.69%	-13.67%	-13.39%	-13.13%	-14.47%	-15.35%	-16.15%	
	367	2009	13,551,959	77,442	1,260,295	(1,182,854)	-8.73%	-12.47%	-10.66%	-9.40%	-11.73%	-12.61%	-12.50%	-12.40%	-13.65%	-14.49%	
	367	2010	9,248,568	312,253	1,102,878	(790,625)	-8.55%	-8.66%	-11.53%	-10.24%	-9.26%	-11.27%	-12.09%	-12.04%	-12.01%	-13.19%	
	367	2011	8,459,228	244,189	1,149,391	(905,203)	-10.70%	-9.58%	-9.21%	-11.38%	-10.31%	-9.45%	-11.21%	-11.91%	-11.95%		
	367	2012	11,174,456	635,656	1,712,293	(1,076,637)	-9.63%	-10.09%	-9.60%	-9.32%	-11.05%	-10.20%	-9.47%	-11.00%	-11.67%	-11.66%	-14.03%
	367	2013	10,441,155	353,293	1,383,743	(1,030,449)	-9.87%	-9.75%	-10.02%	-9.67%	-9.43%	-10.87%	-10.15%	-9.52%	-10.88%	-11.49%	-13.82%
	367	2014	11,951,410	159,094	4,354,771	(4,195,677)	-35.11%	-23.34%	-18.78%	-17.15%	-15.60%	-14.16%	-14.46%	-13.51%	-12.60%	-13.58%	-14.86%
	367	2015	17,159,157	290,739	2,873,733	(2,582,994)	-15.05%	-23.29%	-19.74%	-17.52%	-16.54%	-15.46%	-14.35%	-14.56%	-13.76%	-12.96%	-14.41%
	367	2016	22,729,705	625,423	6,552,057	(5,926,634)	-26.07%	-21.33%	-24.51%	-22.05%	-20.17%	-19.19%	-18.11%	-16.73%	-15.94%		
	367	2017	18,897,024	1,326,717	6,112,806	(4,786,089)	-25.33%	-25.74%	-22.62%	-24.73%	-22.82%	-21.22%	-20.34%	-19.35%	-18.18%	-17.90%	-16.67%
	367	2018	17,855,736	1,289,159	6,874,235	(5,585,076)	-31.28%	-28.22%	-27.40%	-24.64%	-26.05%	-24.34%	-22.85%	-21.98%	-21.01%	-19.84%	-18.23%
	367	2019	17,230,318	735,360	7,581,250	(6,945,890)	-40.31%	-35.71%	-32.08%	-30.30%	-27.51%	-28.37%	-26.71%	-25.21%	-24.31%	-23.30%	-20.10%
	367	2020	21,451,747	1,129,248	9,608,796	(8,479,547)	-39.53%	-39.88%	-37.16%	-34.20%	-32.32%	-29.75%	-30.25%	-28.71%	-27.27%	-26.38%	-21.81%
	367	2021	15,075,711	1,830,909	7,526,913	(5,696,004)	-37.78%	-38.81%	-39.29%	-37.29%	-34.79%	-33.04%	-30.68%	-31.05%	-29.60%	-28.24%	-23.72%
	368	1998	15,617,238	407,938	4,209,962	(3,802,024)	-24.35%										
	368	1999	14,246,956	752,773	2,938,844	(2,186,071)	-15.34%	-20.05%									
	368	2000	20,830,940	736,421	4,636,724	(3,900,303)	-18.72%	-17.35%	-19.51%								
	368	2001	12,967,814	516,621	3,010,859	(2,494,237)	-19.23%	-18.92%	-17.86%	-19.45%							
	368	2002	17,240,919	793,585	5,933,733	(5,140,148)	-29.81%	-25.27%	-22.60%	-21.02%	-21.66%						
	368	2003	16,995,466	739,577	6,482,126	(5,742,548)	-33.79%	-31.79%	-28.34%	-25.39%	-23.65%	-23.76%					
	368	2004	11,973,824	1,487,197	5,123,351	(3,636,154)	-30.37%	-32.37%	-31.42%	-28.75%	-26.14%	-24.51%	-24.48%	-24.19%			
	368	2005	11,927,281	2,572,319	5,136,546	(2,564,227)	-21.50%	-25.94%	-29.20%	-29.38%	-27.53%	-25.54%	-24.17%	-24.47%	-24.46%		
	368	2006	14,278,883	2,714,886	6,532,719	(3,817,833)	-26.74%	-24.35%	-26.24%	-28.56%	-26.07%	-24.40%	-25.70%	-24.99%	-23.93%	-23.97%	
	368	2007	8,862,312	2,669,921	4,132,815	(1,462,895)	-16.51%	-22.82%	-22.37%	-24.41%	-26.90%	-27.51%	-26.38%	-24.06%	-22.38%	-23.06%	
	368	2008	18,254,843	4,292,959	5,379,523	(1,086,564)	-5.95%	-9.40%	-15.38%	-16.75%	-19.25%	-22.25%	-23.56%	-23.06%	-22.38%	-23.06%	
	368	2009	16,249,364	2,436,862	6,813,696	(4,176,834)	-25.70%	-15.25%	-15.51%	-18.29%	-18.84%	-20.53%	-22.82%	-23.86%	-23.40%	-22.74%	
	368	2010	10,965,536	6,079	4,962,273	(4,956,194)	-45.20%	-33.56%	-22.48%	-21.50%	-22.59%	-22.43%	-23.46%	-25.06%	-25.71%	-25.11%	
	368	2011	13,575,765	(10,008)	6,395,073	(6,405,080)	-47.18%	-46.29%	-38.09%	-28.16%	-26.64%	-26.65%	-26.00%	-26.49%	-27.50%	-27.78%	
	368	2012	15,330,729	281,691	6,647,789	(6,366,098)	-41.53%	-44.18%	-44.46%	-39.03%	-30.91%	-29.38%	-28.99%	-28.17%	-28.39%	-29.05%	-26.33%
	368	2013	13,045,038	1,068,756	6,227,262	(5,158,506)	-39.54%	-40.61%	-42.74%	-43.25%	-39.13%	-32.20%	-30.76%	-30.24%	-29.39%	-29.47%	-27.26%
	368	2014	13,526,908	1,678,830	5,427,577	(3,748,747)	-27.71%	-33.52%	-36.45%	-39.08%	-40.09%	-37.26%	-31.60%	-30.38%	-29.96%	-29.22%	-28.08%
	368	2015	15,953,513	99,587	5,098,179	(4,998,592)	-31.33%	-29.67%	-32.70%	-35.04%	-37.35%	-38.39%	-36.30%	-31.56%	-30.50%	-30.12%	-29.25%
	368	2016	19,429,236	215,805	4,866,137	(4,650,332)	-27.93%	-27.27%	-27.39%	-29.95%	-32.25%	-34.48%	-35.63%	-34.27%	-30.48%	-29.62%	-29.37%
	368	2017	19,681,539	1,171,947	6,170,580	(4,998,633)	-25.40%	-24.67%	-26.60%	-26.82%	-28.85%	-30.86%	-32.86%	-33.97%	-33.00%	-29.83%	-28.98%

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FERC Account	Activity Year	Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %	15- yr Net Salv. %	20- yr Net Salv. %
368	2018	26,606,262	1,864,440	7,599,041	(5,734,601)	-21.55%	-23.19%	-23.41%	-24.96%	-25.35%	-27.06%	-28.85%	-30.67%	-31.74%	-31.15%	-27.76%	-26.68%
368	2019	26,955,031	2,533,931	7,888,752	(5,354,822)	-19.87%	-20.70%	-21.97%	-22.38%	-23.69%	-24.14%	-25.62%	-27.24%	-28.89%	-29.91%	-26.77%	-26.61%
368	2020	27,856,571	1,797,192	8,512,713	(6,715,521)	-24.11%	-22.02%	-21.87%	-22.56%	-22.78%	-23.78%	-24.13%	-25.37%	-26.75%	-28.20%	-26.72%	-26.90%
368	2021	32,870,343	3,663,023	8,629,945	(4,966,922)	-15.11%	-19.24%	-19.43%	-19.92%	-20.73%	-21.13%	-22.10%	-22.51%	-23.65%	-24.94%	-25.35%	-26.08%
369	1998	1,433,225	118,104	1,179,070	(1,060,966)	-74.03%											
369	1999	2,777,069	13,227	1,105,642	(1,092,415)	-39.34%	-51.15%										
369	2000	1,854,205	56,435	703,429	(646,994)	-34.89%		-46.18%									
369	2001	3,347,425	115,842	952,534	(836,692)	-25.00%	-28.52%	-32.29%	-38.64%								
369	2002	4,076,753	325,090	914,293	(589,203)	-14.45%	-19.21%	-22.34%	-26.26%	-31.33%							
369	2003	2,654,481	32,986	674,085	(641,099)	-24.15%	-18.28%	-20.51%	-22.74%	-25.88%	-30.15%						
369	2004	2,530,393	179,411	316,371	(136,960)	-5.41%	-15.01%	-14.76%	-17.48%	-19.71%	-22.87%	-26.80%					
369	2005	2,139,811	164,232	752,796	(588,565)	-27.51%	-15.54%	-18.66%	-17.15%	-18.93%	-20.72%	-23.38%	-26.87%				
369	2006	2,473,338	119,518	803,224	(683,706)	-27.64%	-27.58%	-19.73%	-20.93%	-19.02%	-20.18%	-21.61%	-23.87%	-26.95%			
369	2007	2,453,865	307,286	653,734	(346,447)	-14.12%	-20.91%	-22.91%	-18.29%	-19.56%	-18.29%	-19.43%	-20.76%	-22.88%	-25.73%		
369	2008	1,813,744	194,821	743,502	(548,681)	-30.25%	-20.97%	-23.42%	-24.41%	-20.19%	-20.94%	-19.48%	-20.34%	-21.50%	-23.39%		
369	2009	1,442,528	173,354	737,855	(564,502)	-39.13%	-34.19%	-25.56%	-26.19%	-26.46%	-22.32%	-22.63%	-20.93%	-21.52%	-22.52%		
369	2010	1,242,494	0	644,224	(644,224)	-51.85%	-45.02%	-39.06%	-30.26%	-29.57%	-28.19%	-24.92%	-24.80%	-22.77%	-23.08%		
369	2011	1,125,246	228,243	626,967	(398,724)	-35.43%	-44.05%	-42.19%	-38.34%	-30.98%	-30.20%	-29.74%	-25.70%	-25.47%	-23.42%		
369	2012	1,224,254	376,185	657,183	(280,998)	-22.95%	-28.93%	-36.86%	-37.51%	-35.59%	-29.92%	-29.44%	-29.15%	-25.49%	-25.31%	-27.80%	
369	2013	1,863,391	353,293	1,361,059	(1,007,766)	-54.08%	-41.74%	-40.06%	-42.74%	-41.99%	-39.54%	-33.96%	-32.81%	-32.09%	-28.40%	-27.28%	
369	2014	2,065,174	211,541	1,238,552	(1,027,012)	-49.73%	-51.79%	-44.94%	-43.24%	-44.66%	-43.77%	-41.50%	-36.42%	-35.04%	-34.13%	-27.68%	
369	2015	1,378,009	290,739	965,073	(674,334)	-48.94%	-49.41%	-51.05%	-45.78%	-44.26%	-45.32%	-44.46%	-42.34%	-37.60%	-36.16%	-28.18%	
369	2016	1,520,226	382,999	1,071,917	(688,918)	-45.32%	-47.04%	-48.16%	-49.77%	-45.70%	-44.44%	-45.32%	-44.57%	-42.67%	-38.33%	-29.40%	
369	2017	1,437,923	314,947	963,331	(648,384)	-45.09%	-45.21%	-46.39%	-47.47%	-48.96%	-45.60%	-44.53%	-44.63%	-42.90%	-32.45%	-32.08%	
369	2018	2,141,525	322,584	1,321,118	(998,533)	-46.63%	-46.01%	-45.80%	-46.47%	-47.26%	-48.48%	-45.79%	-44.88%	-45.50%	-44.90%	-34.40%	-31.33%
369	2019	2,017,088	334,931	1,290,087	(955,156)	-47.35%	-46.98%	-46.49%	-46.24%	-46.68%	-47.26%	-48.30%	-46.02%	-45.22%	-45.73%	-38.18%	-31.63%
369	2020	4,488,781	301,679	1,716,721	(1,415,042)	-31.52%	-36.43%	-38.96%	-38.83%	-40.55%	-41.44%	-42.58%	-42.43%	-42.03%	-37.93%	-31.48%	
369	2021	3,805,579	44	1,957,227	(1,957,184)	-51.43%	-40.66%	-41.97%	-42.77%	-43.01%	-43.24%	-43.70%	-44.36%	-45.24%	-43.99%	-40.49%	-33.71%
Distribution Function																	
370	1998	2,362,572	623,757	436,310	187,447	7.93%											
370	1999	2,578,557	2,896	299,655	(296,759)	-11.51%	-2.21%										
370	2000	3,832,458	1,414	580,654	(579,240)	-15.11%		-13.66%	-7.85%								
370	2001	5,781,765	0	820,940	(820,940)	-14.20%	-14.56%	-13.92%	-10.37%								
370	2002	5,512,900	0	972,922	(972,922)	-17.65%	-15.88%	-15.69%	-15.08%	-12.37%							
370	2003	5,040,045	0	1,114,970	(1,114,970)	-22.12%	-19.78%	-17.81%	-17.30%	-16.64%	-14.33%						
370	2004	9,034,148	0	2,028,108	(2,028,108)	-22.45%	-22.33%	-21.01%	-19.46%	-18.89%	-18.29%	-16.48%					
370	2005	11,226,084	0	1,736,848	(1,736,848)	-15.47%	-18.58%	-19.29%	-18.99%	-18.24%	-17.94%	-17.56%	-16.23%				
370	2006	18,563,228	0	3,347,176	(3,347,176)	-18.03%	-17.07%	-18.32%	-18.76%	-18.63%	-18.17%	-17.97%	-17.70%	-16.75%			
370	2007	26,292,067	(383)	4,336,882	(4,337,264)	-16.50%	-17.13%	-18.80%	-17.58%	-17.91%	-17.89%	-17.63%	-17.52%	-16.68%			
370	2008	11,470,751	6,079	1,798,328	(1,792,249)	-15.62%	-16.23%	-16.82%	-16.60%	-17.29%	-17.59%	-17.59%	-17.38%	-17.29%	-17.14%		
370	2009	44,558,272	(10,008)	2,931,882	(2,941,890)	-6.60%	-8.45%	-11.02%	-12.31%	-12.63%	-13.36%	-13.71%	-13.87%	-13.89%	-13.92%		
370	2010	65,364,254	281,691	3,177,024	(2,895,334)	-4.43%	-5.31%	-6.28%	-8.10%	-9.21%	-9.61%	-10.23%	-10.54%	-10.74%	-10.84%		
370	2011	50,256,236	1,068,756	2,581,955	(1,513,199)	-3.01%	-3.81%	-4.59%	-5.33%	-6.81%	-7.77%	-8.15%	-8.70%	-8.98%	-9.17%		
370	2012	88,745,406	1,678,830	3,557,648	(1,878,818)	-2.12%	-2.44%	-3.08%	-3.71%	-4.23%	-5.36%	-6.13%	-6.46%	-6.90%	-7.14%	-7.43%	
370	2013	20,579	99,587	4,054	95,533	464.22%	-2.01%	-2.37%	-3.03%	-3.67%	-4.20%	-5.32%	-6.10%	-6.43%	-6.87%	-7.51%	
370	2014	37,602	52,470	6,810	45,661	121.43%	242.68%	-1.96%	-2.34%	-3.01%	-3.65%	-4.18%	-5.31%	-6.08%	-6.41%	-7.47%	
370	2015	140,044	3,740	24,288	(20,548)	-14.67%	14.14%	60.86%	-1.98%	-2.35%	-3.01%	-3.66%	-4.18%	-5.31%	-6.08%	-7.38%	
370	2016	159,329	0	26,840	(26,840)	-16.85%	-15.83%	-0.51%	26.24%	-2.00%	-2.37%	-3.03%	-3.66%	-4.19%	-5.32%	-7.27%	
370	2017	256,658	0	441,030	(441,030)	-171.84%	-112.47%	-87.84%	-74.58%	-56.53%	-56.53%	-56.53%	-56.53%	-56.53%	-4.36%	-7.23%	-7.52%
370	2018	11,100,920	1,266	236,510	(235,244)	-2.12%	-5.95%	-6.11%	-6.21%	-5.80%	-4.97%	-4.97%	-4.97%	-4.97%	-3.76%	-6.84%	-7.46%
370	2019	4,506,441	0	441,030	(441,030)	-9.79%	-4.33%	-7.04%	-7.14%	-7.21%	-6.91%	-6.31%	-6.31%	-6.31%	-3.31%	-6.45%	-7.46%
370	2020	5,128,675	0	682,413	(682,413)	-13.31%	-11.66%	-6.55%	-8.57%	-8.64%	-8.68%	-8.45%	-7.99%	-7.99%	-3.18%	-6.25%	-7.46%
370	2021	6,400,160	0	650,772	(650,772)	-10.17%	-11.56%	-11.06%	-7.41%	-8.95%	-8.99%	-9.02%	-8.84%	-8.84%	-3.64%	-5.63%	-7.40%

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FERC Account	Activity Year	Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %	15- yr Net Salv. %	20- yr Net Salv. %
Period prior to 2013 reflects retirement of conventional meters during 2008-2012 deployment																	
After 2013, Data reflects retirement of AMS meters installed post deployment																	
370 AMR	2006	4,571	0	5,351	(5,351)	-117.07%											
370 AMR	2007	190,371	0	19,126	(19,126)	-10.05%	-12.56%										
370 AMR	2008	317,033	0	37,391	(37,391)	-11.79%	-11.14%	-12.08%									
370 AMR	2009	442,830	0	38,515	(38,515)	-8.70%	-11.55%	-11.25%	-11.75%								
370 AMR	2010	392,202	0	11,836	(11,836)	-3.02%	-1.42%	-7.62%	-7.96%	-8.33%							
370 AMR	2011	7,945,983	0	295,241	(295,241)	-3.72%	-3.68%	-3.50%	-4.21%	-4.33%	-4.38%						
370 AMR	2012	83,979,285	57,921	2,788,947	(2,731,026)	-3.25%	-3.29%	-3.29%	-3.28%	-3.35%	-3.36%	-3.36%					
370 AMR	2013	564,121	0	109,126	(109,126)	-19.34%	-3.36%	-3.39%	-3.39%	-3.37%	-3.44%	-3.46%	-3.46%				
370 AMR	2014	352,228	0	54,623	(54,623)	-15.51%	-17.87%	-3.41%	-3.44%	-3.43%	-3.42%	-3.49%	-3.50%	-3.51%			
370 AMR	2015	182,248	0	86,370	(86,370)	-47.39%	-26.38%	-22.77%	-3.50%	-3.52%	-3.52%	-3.50%	-3.57%	-3.59%	-3.59%		
370 AMR	2016	82,136	0	41,248	(41,248)	-50.22%	-48.27%	-29.56%	-24.68%	-3.55%	-3.56%	-3.56%	-3.54%	-3.61%	-3.63%		
370 AMR	2017	60,624	0	24,515	(24,515)	-40.44%	-46.07%	-46.81%	-30.53%	-25.45%	-3.58%	-3.59%	-3.58%	-3.57%	-3.64%		
370 AMR	2018	329,037	0	196,237	(196,237)	-59.64%	-58.65%	-55.53%	-53.26%	-40.05%	-32.61%	-3.79%	-3.78%	-3.78%	-3.76%		
370 AMR	2019	20,952	0	9,461	(9,461)	-45.16%	-58.77%	-56.07%	-55.09%	-53.01%	-40.15%	-32.78%	-3.80%	-3.79%	-3.79%		
370 AMR	2020	61,735	0	28,936	(28,936)	-46.87%	-46.44%	-56.99%	-54.86%	-54.18%	-52.50%	-40.53%	-33.30%	-3.83%	-3.82%	-3.89%	
370 AMR	2021	62,112	0	30,763	(28,936)	-46.87%	-46.44%	-56.99%	-54.86%	-54.18%	-52.50%	-40.53%	-33.30%	-3.83%	-3.82%	-3.89%	
370 AMS																	
370 AMS	2009	123,065	0	3,581	(3,581)	-2.91%											
370 AMS	2010	748,486	0	23,668	(23,668)	-3.16%	-3.13%										
370 AMS	2011	1,607,203	9,987	57,079	(47,092)	-2.93%	-3.00%	-3.00%									
370 AMS	2012	2,859,630	(14,980)	104,847	(119,827)	-4.19%	-3.74%	-3.65%	-3.64%								
370 AMS	2013	6,538,414	0	849,971	(849,971)	-13.00%	-10.32%	-9.24%	-8.85%	-8.79%							
370 AMS	2014	4,485,883	(4,993)	575,305	(580,299)	-12.94%	-12.97%	-11.16%	-10.31%	-9.98%	-9.93%						
370 AMS	2015	23,746,790	1,741	2,135,809	(2,134,068)	-8.99%	-9.61%	-10.25%	-9.79%	-9.51%	-9.39%	-9.37%					
370 AMS	2016	25,311,496	0	2,051,827	(2,051,827)	-8.11%	-8.53%	-8.90%	-9.35%	-9.11%	-8.96%	-8.89%	-8.88%				
370 AMS	2017	25,345,218	0	1,923,134	(1,923,134)	-7.59%	-7.85%	-8.21%	-8.48%	-8.83%	-8.68%	-8.57%	-8.53%	-8.52%	-8.52%		
370 AMS	2018	47,657,240	1,269	3,127,954	(3,126,685)	-6.56%	-6.92%	-7.22%	-7.57%	-7.76%	-8.01%	-7.93%	-7.88%	-7.85%	-7.85%		
370 AMS	2019	45,263,699	9,462	3,312,938	(3,303,477)	-7.30%	-6.92%	-7.06%	-7.25%	-7.49%	-7.64%	-7.83%	-7.78%	-7.73%	-7.71%		
370 AMS	2020	39,401,539	0	2,667,662	(2,667,662)	-6.77%	-7.05%	-6.88%	-6.98%	-7.14%	-7.36%	-7.47%	-7.64%	-7.60%	-7.66%		
370 AMS	2021	30,229,171	0	2,179,177	(2,179,177)	-7.21%	-6.96%	-7.09%	-6.94%	-7.03%	-7.15%	-7.34%	-7.44%	-7.59%	-7.55%		
370 IDR																	
370 IDR	2009	213,402	0	40,363	(40,363)	-18.91%											
370 IDR	2010	818,732	0	171,224	(171,224)	-20.91%	-20.50%										
370 IDR	2011	1,927,836	0	308,157	(308,157)	-15.98%	-17.45%	-17.56%									
370 IDR	2012	7,180,828	0	482,005	(482,005)	-6.73%	-8.69%	-9.70%	-9.90%								
370 IDR	2013	621,652	0	372,347	(372,347)	-59.90%	-10.98%	-11.97%	-12.67%	-12.79%							
370 IDR	2014	3,410,686	0	358,577	(358,577)	-10.51%	-18.13%	-10.84%	-11.59%	-12.14%	-12.24%						
370 IDR	2015	2,533,638	0	472,121	(472,121)	-18.63%	-13.97%	-18.32%	-12.28%	-12.73%	-13.14%	-13.21%					
370 IDR	2016	2,495,941	0	562,145	(562,145)	-22.52%	-20.56%	-16.50%	-19.48%	-13.85%	-14.08%	-14.37%	-14.42%				
370 IDR	2017	1,300,938	2,587	274,169	(271,582)	-20.88%	-21.96%	-20.63%	-17.09%	-19.65%	-14.37%	-14.53%	-14.79%	-14.83%	-14.83%		
370 IDR	2018	8,725,796	15,129	659,066	(643,936)	-7.38%	-9.13%	-11.80%	-12.95%	-12.50%	-14.04%	-12.05%	-12.32%	-12.56%	-12.61%		
370 IDR	2019	1,397,733	82,291	293,647	(211,357)	-15.12%	-8.45%	-8.86%	-12.13%	-13.13%	-12.68%	-14.12%	-12.20%	-12.45%	-12.68%		
370 IDR	2020	7,044,261	0	1,812,998	(1,812,998)	-25.74%	-23.98%	-15.54%	-15.92%	-16.70%	-16.91%	-16.10%	-17.09%	-14.95%	-15.01%		
370 IDR	2021	4,633,086	0	1,098,970	(1,098,970)	-23.72%	-24.94%	-23.89%	-17.28%	-17.48%	-17.97%	-18.03%	-17.22%	-18.05%	-15.99%		

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FERC Account	Activity Year	Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %	15- yr Net Salv. %	20- yr Net Salv. %
370 (Distribution, IDR)	2009	44,771,674	(10,008)	2,972,245	(2,982,253)	-6.66%											
370 (Distribution, IDR)	2010	66,182,986	281,691	3,348,249	(3,066,558)	-4.63%	-5.45%										
370 (Distribution, IDR)	2011	52,184,072	1,068,756	2,890,112	(1,821,356)	-3.49%	-4.13%	-4.82%									
370 (Distribution, IDR)	2012	95,906,234	1,678,830	4,039,653	(2,360,823)	-2.46%	-2.82%	-3.38%	-3.95%								
370 (Distribution, IDR)	2013	642,231	99,587	376,402	(276,814)	-43.10%	-2.73%	-3.00%	-3.50%	-4.05%							
370 (Distribution, IDR)	2014	3,448,288	52,470	365,387	(312,917)	-9.07%	-14.42%	-2.95%	-3.14%	-3.59%	-4.11%						
370 (Distribution, IDR)	2015	2,673,682	3,740	496,408	(492,668)	-18.43%	-13.16%	-16.00%	-3.35%	-3.40%	-3.77%	-4.26%					
370 (Distribution, IDR)	2016	2,655,270	0	588,985	(588,985)	-22.18%	-20.30%	-15.89%	-17.74%	-3.83%	-3.72%	-3.99%	-4.43%				
370 (Distribution, IDR)	2017	1,557,596	2,587	715,199	(712,612)	-45.75%	-30.90%	-26.05%	-20.39%	-21.72%	-4.44%	-4.13%	-4.28%	-4.67%			
370 (Distribution, IDR)	2018	19,826,716	16,395	895,575	(879,180)	-4.43%	-7.44%	-9.07%	-10.01%	-9.90%	-10.59%	-4.44%	-4.16%	-4.29%	-4.66%		
370 (Distribution, IDR)	2019	5,904,175	82,291	734,678	(652,387)	-11.05%	-5.95%	-8.22%	-9.46%	-10.20%	-10.09%	-10.87%	-4.73%	-4.38%	-4.45%		
370 (Distribution, IDR)	2020	12,172,936	0	2,495,411	(2,495,411)	-20.50%	-17.41%	-10.62%	-12.01%	-12.65%	-13.00%	-12.72%	-13.12%	-6.06%	-5.38%		
370 (Distribution, IDR)	2021	11,033,246	0	1,749,742	(2,495,411)	-20.50%	-17.41%	-10.62%	-12.01%	-12.65%	-13.00%	-12.72%	-13.12%	-6.06%	-5.38%		
371	1998	314,941	38,179	508,528	(470,349)	-149.35%											
371	1999	797,198	14,037	584,098	(570,061)	-71.51%	-93.55%										
371	2000	614,189	4,149	249,757	(245,608)	-39.99%	-57.79%	-74.49%									
371	2001	785,547	0	148,476	(148,476)	-18.90%	-28.15%	-43.89%	-57.11%								
371	2002	513,177	0	555,897	(555,897)	-108.32%	-54.24%	-49.66%	-56.09%	-65.80%							
371	2003	328,555	0	84,713	(84,713)	-25.78%	-76.11%	-48.49%	-46.16%	-52.81%	-61.88%						
371	2004	335,391	0	92,182	(92,182)	-27.48%	-26.64%	-62.25%	-44.90%	-43.73%	-50.29%	-58.75%					
371	2005	309,215	0	131,969	(131,969)	-42.68%	-34.77%	-31.74%	-58.18%	-44.60%	-43.62%	-49.65%	-57.51%				
371	2006	435,010	0	244,459	(244,459)	-56.20%	-50.58%	-43.41%	-39.29%	-57.73%	-46.46%	-45.27%	-50.35%	-57.38%			
371	2007	301,182	0	20,090	(20,090)	-6.67%	-35.93%	-37.93%	-35.39%	-33.55%	-50.81%	-42.48%	-42.06%	-47.37%	-54.15%		
371	2008	332,782	0	130,564	(130,564)	-39.23%	-23.76%	-36.96%	-38.24%	-36.14%	-34.47%	-49.30%	-42.16%	-41.82%	-46.80%		
371	2009	292,967	0	249,413	(249,413)	-85.13%	-60.72%	-43.16%	-47.32%	-46.46%	-43.29%	-40.83%	-52.99%	-45.62%	-44.81%		
371	2010	168,011	35	116,970	(116,935)	-69.60%	-79.47%	-62.60%	-49.77%	-48.58%	-45.32%	-42.76%	-53.91%	-46.68%			
371	2011	129,474	900	132,010	(131,110)	-101.26%	-83.38%	-84.25%	-68.02%	-52.93%	-53.79%	-52.04%	-48.47%	-45.64%	-55.86%		
371	2012	158,582	0	132,593	(132,593)	-83.61%	-91.55%	-83.46%	-84.12%	-70.31%	-56.45%	-56.39%	-54.40%	-50.73%	-47.79%	-57.16%	
371	2013	187,174	0	159,853	(159,853)	-85.40%	-84.58%	-89.13%	-84.03%	-84.37%	-72.54%	-59.90%	-59.10%	-56.90%	-53.18%	-52.98%	
371	2014	185,057	93	182,727	(182,634)	-98.69%	-92.01%	-89.50%	-91.81%	-87.30%	-86.74%	-75.86%	-63.99%	-62.44%	-60.00%	-51.74%	
371	2015	191,613	0	177,760	(177,760)	-92.77%	-95.68%	-92.27%	-90.37%	-92.02%	-88.33%	-87.62%	-77.83%	-66.82%	-64.88%	-54.98%	
371	2016	387,687	0	112,513	(112,513)	-29.02%	-50.11%	-61.87%	-66.50%	-68.94%	-72.32%	-71.99%	-74.26%	-68.53%	-60.55%	-59.28%	
371	2017	615,798	0	459,762	(459,762)	-74.68%	-57.03%	-62.76%	-67.58%	-69.71%	-70.98%	-73.10%	-72.81%	-74.37%	-69.95%	-55.67%	-59.82%
371	2018	496,691	0	390,671	(390,671)	-78.65%	-76.44%	-64.19%	-67.43%	-70.51%	-71.86%	-72.70%	-74.27%	-73.96%	-75.12%	-60.37%	-57.33%
371	2019	679,489	0	459,762	(459,762)	-67.66%	-72.30%	-73.11%	-65.27%	-67.49%	-69.75%	-70.82%	-71.52%	-72.79%	-72.62%	-63.65%	-56.76%
371	2020	324,489	51	611,925	(611,874)	-188.57%	-106.74%	-97.44%	-90.81%	-81.25%	-82.07%	-83.14%	-83.27%	-83.29%	-83.98%	-73.27%	-64.17%
371	2021	353,679	3	643,916	(643,913)	-182.06%	-185.17%	-126.36%	-113.58%	-103.88%	-93.72%	-93.66%	-93.95%	-93.48%	-93.05%	-82.82%	-75.66%
373	1998	884,414	139,829	528,965	(389,135)	-44.00%											
373	1999	1,424,573	7,284	876,032	(868,748)	-60.98%	-54.48%										
373	2000	2,188,475	0	841,493	(841,493)	-38.45%	-47.34%	-46.68%									
373	2001	3,086,266	0	948,373	(948,373)	-30.71%	-33.92%	-39.67%	-40.18%								
373	2002	2,959,953	0	1,030,189	(1,030,189)	-34.80%	-32.71%	-34.24%	-38.18%	-38.67%							
373	2003	3,409,677	0	762,649	(762,649)	-22.37%	-28.15%	-28.98%	-30.76%	-34.06%	-34.69%						
373	2004	2,910,134	0	874,468	(874,468)	-30.05%	-25.90%	-28.74%	-29.23%	-30.62%	-33.33%	-33.89%					
373	2005	3,350,020	0	1,024,296	(1,024,296)	-30.58%	-30.33%	-27.52%	-29.23%	-29.52%	-30.61%	-32.85%	-33.34%				
373	2006	2,841,141	0	784,160	(784,160)	-27.60%	-29.21%	-29.48%	-27.54%	-28.93%	-29.23%	-30.20%	-32.18%	-32.63%			
373	2007	2,788,342	0	747,303	(747,303)	-26.80%	-27.20%	-28.46%	-28.85%	-27.41%	-28.61%	-28.91%	-29.80%	-31.58%	-32.00%		
373	2008	3,590,027	0	1,048,888	(1,048,888)	-29.22%	-28.16%	-27.99%	-28.68%	-28.94%	-27.75%	-28.71%	-28.95%	-29.72%	-31.28%		
373	2009	4,972,218	1,885	1,670,309	(1,668,424)	-33.55%	-31.74%	-30.52%	-29.94%	-30.06%	-30.06%	-28.96%	-29.60%	-29.72%	-30.31%		

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FERC Account	Activity Year	Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %	15- yr Net Salv. %	20- yr Net Salv. %
	373 2010	5,190,230	83	2,277,624	(2,277,541)	-43.88%	-38.83%	-36.32%	-34.72%	-33.67%	-33.22%	-32.86%	-31.63%	-31.92%	-31.81%		
	373 2011	4,187,902	0	1,992,067	(1,992,067)	-47.57%	-45.53%	-41.38%	-38.95%	-37.31%	-36.14%	-35.45%	-34.92%	-33.63%	-33.73%		
	373 2012	4,106,876	0	2,007,902	(2,007,902)	-48.89%	-48.22%	-46.55%	-43.05%	-40.80%	-39.23%	-38.03%	-37.23%	-36.61%	-35.31%	-36.05%	
	373 2013	5,369,731	0	2,797,258	(2,797,258)	-52.09%	-50.71%	-49.74%	-48.13%	-45.09%	-43.01%	-41.51%	-40.32%	-39.42%	-38.73%	-37.56%	
	373 2014	5,373,534	0	2,338,467	(2,338,467)	-43.52%	-47.80%	-48.10%	-47.99%	-47.11%	-44.80%	-43.09%	-41.82%	-40.77%	-39.95%	-37.54%	
	373 2015	6,426,877	0	2,647,670	(2,647,670)	-41.20%	-42.25%	-45.33%	-46.02%	-46.27%	-45.87%	-44.15%	-42.78%	-41.72%	-40.83%	-37.89%	
	373 2016	6,816,230	0	2,958,066	(2,958,066)	-43.40%	-42.33%	-42.67%	-44.78%	-45.38%	-45.67%	-45.42%	-44.03%	-42.87%	-41.96%	-38.82%	
	373 2017	7,835,158	0	3,222,383	(3,222,383)	-41.13%	-42.18%	-41.88%	-42.21%	-43.88%	-44.45%	-44.78%	-44.68%	-43.58%	-42.62%	-39.25%	-39.18%
	373 2018	10,428,018	0	4,438,112	(4,438,112)	-42.56%	-41.95%	-42.34%	-42.11%	-42.31%	-43.58%	-44.03%	-44.32%	-44.28%	-43.40%	-40.46%	-39.52%
	373 2019	9,286,900	0	4,841,317	(4,841,317)	-52.13%	-47.07%	-45.38%	-44.99%	-44.39%	-44.29%	-45.10%	-45.38%	-45.53%	-45.40%	-42.14%	-40.42%
	373 2020	8,032,883	0	5,171,286	(5,171,286)	-64.38%	-57.81%	-52.08%	-49.67%	-48.66%	-47.68%	-47.26%	-47.70%	-47.78%	-47.76%	-44.63%	-42.33%
	373 2021	7,285,495	3	3,450,954	(3,450,951)	-47.37%	-56.29%	-54.72%	-51.10%	-49.28%	-48.47%	-47.64%	-47.28%	-47.66%	-47.73%	-45.38%	-43.00%
	387 2010	1,467,054	0	0	0	0.00%											
	387 2011	248,499	0	0	0	0.00%	0.00%										
	387 2012	3,534,784	0	0	0	0.00%		0.00%									
	387 2013	315,125	0	33	(33)	-0.01%	0.00%	0.00%	0.00%								
	387 2014	214,089	0	0	0	0.00%	-0.01%	0.00%	0.00%	0.00%							
	387 2015	273,683	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%						
	387 2016	76,275	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%					
	387 2017	28,757	0	312	(312)	-1.09%	-0.30%	-0.08%	-0.05%	-0.04%	-0.01%	-0.01%	-0.01%				
	387 2018	248,499	0	0	0	0.00%	-0.11%	-0.09%	-0.05%	-0.04%	-0.03%	-0.01%	-0.01%				
	387 2019	3,534,784	0	0	0	0.00%	0.00%	0.00%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%				
	387 2020	315,125	0	0	0	0.00%	0.00%	0.00%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%				
	387 2021	214,089			0	0.00%	0.00%	0.00%	0.00%	-0.01%	-0.01%	-0.01%	-0.01%				
	390 1995	2,381,973	0	68,849	(68,849)	-2.89%											
	390 1996	166,784	2,160	2,713	(553)	-0.33%	-2.72%										
	390 1997	73,563	1,655	0	1,655	2.25%	0.46%	-2.58%									
	390 1998	186,953	0	0	0	0.00%	0.64%	0.26%	-2.41%								
	390 1999	151,364	0	0	0	0.00%	0.00%	0.40%	0.19%	-2.29%							
	390 2000	62,643	0	0	0	0.00%	0.00%	0.00%	0.35%	0.17%	-2.24%						
	390 2001	3,374,770	0	0	0	0.00%	0.00%	0.00%	0.00%	0.04%	0.03%	-1.06%					
	390 2002	265,357	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%	0.03%	-1.02%				
	390 2003	89,213	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%		-1.00%			
	390 2004	864,341	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%	0.02%	-0.89%		
	390 2005	516,242	0	56,609	(56,609)	-10.97%	-4.10%	-3.85%	-3.26%	-1.11%	-1.09%	-1.06%	-1.03%	-0.98%	-0.97%		
	390 2006	244,115	0	1,000	(1,000)	-0.41%	-7.58%	-3.55%	-3.36%	-2.91%	-1.08%	-1.06%	-1.03%	-1.00%	-0.96%		
	390 2007	1,052,544	0	0	0	0.00%	-0.08%	-3.18%	-2.15%	-2.08%	-1.90%	-0.90%	-0.89%	-0.87%	-0.85%		
	390 2008	723,210	0	161,937	(161,937)	-22.39%	-9.12%	-8.07%	-8.66%	-6.46%	-6.29%	-5.85%	-3.08%	-3.05%	-2.99%		
	390 2009	153,090	0	(159,194)	159,194	103.99%	-0.31%	-0.14%	-0.17%	-2.24%	-1.70%	-1.66%	-1.54%	-0.83%	-0.82%	-1.24%	
	390 2010	580,832	0	0	0	0.00%	21.69%	-0.19%	-0.11%	-0.14%	-1.85%	-1.46%	-1.43%	-1.34%	-0.77%	-0.70%	
	390 2011	538,474	8,000	0	8,000	1.49%	0.71%	13.14%	0.26%	0.17%	0.13%	-1.37%	-1.12%	-1.10%	-1.04%	-0.57%	
	390 2012	3,479,254	1	0	1	0.00%	0.20%	0.17%	3.52%	0.10%	0.08%	0.06%	-0.72%	-0.64%	-0.64%	-0.43%	
	390 2013	15,703	84,621	0	84,621	538.87%	2.42%	2.30%	2.01%	5.28%	1.64%	1.37%	1.31%	0.44%	0.40%	0.27%	
	390 2014	2,243,207	(59,069)	0	(59,069)	-2.63%	1.13%	0.45%	0.53%	0.49%	2.75%	0.40%	0.35%	0.33%	-0.28%	-0.19%	-0.55%
	390 2015	460,411	38,056	20,957	17,099	3.71%	-1.55%	1.57%	0.69%	0.75%	0.69%	2.81%	0.58%	0.52%	0.49%	-0.07%	-0.06%
	390 2016	12,517	0	61,123	(61,123)	-488.34%	-9.31%	-3.80%	-0.68%	-0.30%	-0.16%	-0.14%	1.99%	-0.16%	-0.14%	-0.63%	-0.46%
	390 2017	1,013,721	0	355,581	(355,581)	-35.08%	-40.61%	-26.88%	-12.30%	-9.99%	-5.18%	-4.72%	-4.39%	-2.43%	-4.00%	-3.56%	-2.66%
	390 2018	2,736,540	0	1,455,801	(1,455,801)	-53.20%	-48.30%	-49.76%	-43.93%	-29.61%	-28.23%	-18.37%	-17.35%	-16.44%	-14.80%	-12.86%	-10.13%
	390 2019	1,214,816	0	(1,223,438)	1,223,438	100.71%	-5.88%	-11.84%	-13.04%	-11.62%	-9.00%	-7.88%	-5.43%	-5.11%	-4.87%	-4.40%	-3.35%
	390 2020	846,380	0	1,044	(1,044)	-0.12%	59.31%	-4.86%	-10.13%	-11.16%	-10.07%	-8.12%	-7.11%	-5.05%	-4.77%	-3.94%	-3.23%
	390 2021	2,009,144	(423)	617,916	(618,339)	-30.78%	-21.69%	14.84%	-12.51%	-15.44%	-16.19%	-15.09%	-12.44%	-11.62%	-8.74%	-7.15%	-6.71%

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	391 1995	2,764,494	2,287	0	2,287	0.08%											
	391 1996	802,499	320	0	320	0.04%	0.07%										
	391 1997	12,546	370	0	370	2.95%	0.08%	0.08%									
	391 1998	81,429	0	0	0	0.00%	0.39%	0.08%	0.08%								
	391 1999	0	0	370	(370)	NA	-0.45%	0.00%	0.04%	0.07%							
	391 2000	45,095	0	0	0	0.00%	-0.82%	-0.29%	0.00%	0.03%	0.07%						
	391 2001	170,910	0	1,162	(1,162)	-0.68%	-0.54%	-0.71%	-0.52%	-0.37%	-0.08%	0.04%					
	391 2002	3,923,934	0	0	0	0.00%	-0.03%	-0.03%	-0.04%	-0.04%	-0.03%	-0.02%	0.02%				
	391 2003	0	0	0	0	NA	0.00%	-0.03%	-0.03%	-0.04%	-0.04%	-0.03%	-0.02%	0.02%			
	391 2004	208,390	0	0	0	0.00%	0.00%	0.00%	-0.03%	-0.03%	-0.04%	-0.03%	-0.02%	-0.03%	0.02%		
	391 2005	0	0	0	0	NA	0.00%	0.00%	0.00%	-0.03%	-0.03%	-0.04%	-0.03%	-0.03%	-0.02%	0.02%	
	391 2006	114,252	0	0	0	0.00%	0.00%	0.00%	0.00%	-0.03%	-0.03%	-0.04%	-0.03%	-0.03%	-0.03%	-0.02%	
	391 2007	1,253,615	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.02%	-0.02%	-0.03%	-0.03%	-0.03%	
	391 2008	3,588,552	0	2,126	(2,126)	-0.06%	-0.04%	-0.04%	-0.04%	-0.04%	-0.04%	-0.02%	-0.04%	-0.04%	-0.04%	-0.04%	
	391 2009	881,014	0	(1,749)	1,749	0.20%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	0.00%	-0.02%	-0.02%	0.01%	
	391 2010	272,193	0	0	0	0.00%	0.15%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	0.00%	-0.01%	-0.01%	
	391 2011	52,776	0	0	0	0.00%	0.00%	0.15%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	-0.01%	0.00%	-0.01%	
	391 2012	2,916,639	0	0	0	0.00%	0.00%	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.01%	
	391 2013	23,250	0	0	0	0.00%	0.00%	0.00%	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.01%	
	391 2014	34,856	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%	0.00%	0.00%	0.00%	0.00%	-0.01%	0.01%
	391 2015	286,982	0	110,689	(110,689)	-38.57%	-34.41%	-32.09%	-3.39%	-3.34%	-3.09%	-2.44%	-1.38%	-1.19%	-1.18%	-0.82%	-0.76%
	391 2016	507,407	0	0	0	0.00%	-13.93%	-13.35%	-12.99%	-2.94%	-2.90%	-2.70%	-2.19%	-1.30%	-1.13%	-0.79%	-0.78%
	391 2017	355,238	0	0	0	0.00%	0.00%	-9.63%	-9.35%	-9.17%	-2.68%	-2.65%	-2.49%	-2.04%	-1.25%	-1.06%	-0.77%
	391 2018	65,843	0	0	0	0.00%	0.00%	0.00%	-9.11%	-8.85%	-8.69%	-2.64%	-2.61%	-2.45%	-2.02%	-1.05%	-0.77%
	391 2019	6,923,140	0	0	0	0.00%	0.00%	0.00%	0.00%	-1.36%	-1.35%	-1.35%	-1.00%	-0.99%	-0.97%	-0.64%	-0.52%
	391 2020	73,738	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	-1.35%	-1.34%	-1.34%	-0.99%	-0.98%	-0.64%	-0.52%
	391 2021	195,986	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-1.32%	-1.31%	-0.97%	-0.97%	-0.64%	-0.51%
	391 AMG 2016	2,000,552	0	0	0	0.00%											
	391 AMG 2017	693,734	0	0	0	0.00%	0.00%										
	391 AMG 2018	4,248,241	0	0	0	0.00%	0.00%	0.00%									
	391 AMG 2019	4,961,854	0	0	0	0.00%	0.00%	0.00%	0.00%								
	391 AMG 2020	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%							
	391 AMG 2021	0	0	0	0	NA	NA	0.00%	0.00%	0.00%	0.00%						
	392 1995	3,889,629	703,770	24,151	679,618	17.47%											
	392 1996	1,851,107	338,228	858	337,368	18.23%	17.72%										
	392 1997	3,946,263	585,956	16,802	569,154	14.42%	15.64%	16.37%									
	392 1998	1,280	103,805	0	103,805	8106.97%	17.05%	17.42%	17.44%								
	392 1999	0	145,432	9,575	135,857	NA	18717.13%	20.49%	19.77%	18.85%							
	392 2000	2,747,953	174,818	0	174,818	6.36%	11.31%	15.08%	14.69%	15.46%	16.09%						
	392 2001	0	10,250	0	10,250	NA	6.73%	11.68%	15.45%	14.84%	15.58%	16.17%					
	392 2002	0	30,449	0	30,449	NA	NA	7.84%	12.79%	16.56%	15.30%	15.93%	16.41%				
	392 2003	0	54,869	0	54,869	NA	NA	NA	9.84%	14.78%	18.55%	16.12%	16.57%	16.86%			
	392 2004	1,964,079	62,299	0	62,299	3.17%	5.97%	7.52%	8.04%	7.06%	9.94%	12.14%	13.18%	14.07%	14.99%		
	392 2005	196,010	39,424	0	39,424	20.11%	4.71%	7.25%	8.66%	9.13%	7.58%	10.35%	12.46%	13.34%	14.18%		
	392 2006	558,780	82,435	0	82,435	14.75%	16.14%	6.77%	8.79%	9.91%	10.29%	8.31%	10.80%	12.70%	13.42%		
	392 2007	1,352,607	14,920	0	14,920	1.10%	5.09%	6.49%	4.89%	6.24%	6.99%	7.24%	6.88%	8.88%	10.40%		
	392 2008	6,983,528	43,695	0	43,695	0.63%	0.70%	1.59%	1.99%	2.20%	2.69%	2.97%	3.06%	3.72%	4.70%		
	392 2009	0	60,458	0	60,458	NA	1.49%	1.43%	2.27%	2.65%	2.74%	3.24%	3.51%	3.61%	4.16%	10.21%	
	392 2010	467,989	19,210	0	19,210	4.10%	17.02%	1.66%	1.57%	2.36%	2.72%	2.80%	3.27%	3.54%	3.63%	8.66%	

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	392 2011	640,471	43,132	0	43,132	6.73%	5.62%	11.08%	2.06%	1.92%	2.64%	2.97%	3.01%	3.46%	3.71%	7.66%	
	392 2012	257,317	49,019	0	49,019	19.05%	10.26%	8.15%	12.58%	2.58%	2.38%	3.05%	3.37%	3.34%	3.78%	6.10%	
	392 2013	406,955	47,340	0	47,340	11.63%	14.51%	10.69%	8.95%	12.36%	3.00%	2.75%	3.38%	3.68%	3.60%	5.57%	
	392 2014	116,279	6,289	0	6,289	5.41%	10.25%	13.15%	10.26%	8.73%	11.93%	3.03%	2.78%	3.40%	3.70%	4.71%	10.10%
	392 2015	51,135	14,289	0	14,289	27.94%	12.29%	11.82%	14.06%	10.87%	9.24%	12.36%	3.18%	2.90%	3.51%	4.45%	8.82%
	392 2016	329,708	94,518	0	94,518	28.67%	28.57%	23.15%	17.97%	18.21%	14.13%	12.06%	14.73%	4.08%	3.70%	4.97%	8.27%
	392 2017	716,420	12,089	0	12,089	1.89%	10.19%	11.02%	10.48%	10.77%	11.90%	10.59%	9.57%	11.60%	3.91%	4.59%	6.55%
	392 2018	610,436	23,481	0	23,481	3.85%	2.68%	7.85%	8.45%	8.26%	8.88%	9.93%	9.27%	8.60%	10.28%	4.18%	5.86%
	392 2019	167,603	172,475	612	171,863	102.54%	25.11%	13.88%	16.55%	16.86%	16.19%	15.42%	15.77%	14.02%	12.78%	5.62%	6.00%
	392 2020	387,985	338,146	0	338,146	87.15%	91.80%	45.75%	28.98%	28.94%	28.91%	27.76%	25.41%	24.87%	21.72%	7.82%	8.01%
	392 2021	530,668	154,461	1,062	153,399	28.91%	53.51%	61.07%	40.48%	28.97%	28.93%	28.91%	27.97%	25.97%	25.47%	8.39%	8.65%
392 AMG	2016	34,936	0	0	0	0.00%											
393	1995	60,889	5,800	1,832	3,968	6.52%											
393	1996	101,865	769	0	769	0.75%	2.91%										
393	1997	9,328	0	0	0	0.00%	0.69%	2.75%									
393	1998	88,723	4,250	0	4,250	4.79%	4.33%	2.51%	3.45%								
393	1999	8,676	0	0	0	0.00%	4.36%	3.98%	2.41%	3.33%							
393	2000	0	0	0	0	NA	0.00%	4.36%	3.98%	2.41%	3.33%						
393	2001	75,605	0	0	0	0.00%	0.00%	0.00%	2.46%	2.33%	1.77%	2.60%					
393	2002	2,358	0	0	0	0.00%	0.00%	0.00%	0.00%	2.42%	2.30%	1.75%	2.59%				
393	2003	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	2.42%	2.30%	1.75%	2.59%			
393	2004	207,431	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.11%	1.08%	1.02%	1.62%		
393	2005	58,114	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.96%	0.94%	0.91%		
393	2006	65,450	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.84%	0.82%		
393	2007	34,987	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.79%		
393	2008	815,204	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
393	2009	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.59%	
393	2010	4,204	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.34%	
393	2011	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.31%	
393	2012	0	0	0	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.31%	
393	2013	0	0	0	0	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
393	2014	0	0	0	0	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.59%
393	2015	0	0	0	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.34%
393	2016	0	0	0	0	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.31%
393	2017	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.31%
393	2018	64000.82	0	9405.43	(9,405)	-14.70%	-14.70%	-14.70%	-14.70%	-14.70%	-14.70%	-14.70%	-14.70%	-13.79%	-13.79%	-0.75%	-0.70%
393	2019	222817.63	0	-8937.16	8,937	4.01%	-0.16%	-0.16%	-0.16%	-0.16%	-0.16%	-0.16%	-0.16%	-0.16%	-0.16%	-0.04%	-0.03%
393	2020	240904.29	0	0	0	0.00%	1.93%	-0.09%	-0.09%	-0.09%	-0.09%	-0.09%	-0.09%	-0.09%	-0.09%	-0.03%	-0.03%
393	2021	175659.96	0	0	0	0.00%	0.00%	1.40%	-0.07%	-0.07%	-0.07%	-0.07%	-0.07%	-0.07%	-0.07%	-0.03%	-0.02%
394	1995	42,071	24,525	3,999	20,526	48.79%											
394	1996	269,369	(24,525)	(14,013)	(10,512)	-3.90%	3.22%										
394	1997	146,724	0	244	(244)	-0.17%	-2.59%										
394	1998	198,858	0	1,451	(1,451)	-0.73%	-0.49%	-1.99%	1.27%								
394	1999	2,365	0	0	0	0.00%	-0.72%	-0.49%	-1.98%	1.26%							
394	2000	64,949	0	13,560	(13,560)	-20.88%	-20.14%	-5.64%	-3.69%	-3.78%	-0.72%						
394	2001	232,158	0	0	0	0.00%	-4.56%	-4.53%	-3.01%	-2.36%	-2.82%	-0.55%					
394	2002	344,329	0	0	0	0.00%	0.00%	-2.11%	-2.11%	-1.78%	-1.54%	-2.05%	-0.40%				
394	2003	0	0	0	0	NA	0.00%	0.00%	-2.11%	-2.11%	-1.78%	-1.54%	-2.05%	-0.40%			
394	2004	1,138,414	0	0	0	0.00%	0.00%	0.00%	0.00%	-0.76%	-0.76%	-0.76%	-0.72%	-1.07%	-0.21%		

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394	2005	73,480	0	(13,560)	13,560	18.45%	1.12%	1.12%	0.87%	0.76%	0.00%	0.00%	-0.07%	-0.08%	-0.49%		
394	2006	0	0	0	0	NA	18.45%	1.12%	1.12%	0.87%	0.76%	0.00%	0.00%	-0.07%	-0.08%		
394	2007	677,164	0	42,980	(42,980)	-6.35%	-6.35%	-3.92%	-1.56%	-1.56%	-1.32%	-1.19%	-1.70%	-1.70%	-1.63%		
394	2008	1,612,350	0	53,999	(53,999)	-3.35%	-4.24%	-4.24%	-3.53%	-2.38%	-2.38%	-2.17%	-2.05%	-2.34%	-2.34%		
394	2009	0	0	(52,845)	52,845	NA	-0.07%	-1.93%	-1.93%	-1.29%	-0.87%	-0.87%	-0.80%	-0.75%	-1.07%	-0.75%	
394	2010	1,985	0	0	0	0.00%	2662.58%	-0.07%	-1.93%	-1.29%	-0.87%	-0.87%	-0.87%	-0.79%	-0.75%	-1.18%	
394	2011	0	0	0	0	NA	0.00%	2662.58%	-0.07%	-1.93%	-1.29%	-0.87%	-0.87%	-0.79%	-0.75%	-1.02%	
394	2012	0	0	0	0	NA	0.00%	2662.58%	-0.07%	-1.93%	-1.29%	-0.87%	-0.87%	-0.79%	-0.75%	-1.02%	
394	2013	16,727	0	21,025	(21,025)	-125.70%	-125.70%	-125.70%	-112.36%	170.05%	-1.36%	-2.82%	-2.82%	-2.17%	-1.47%	-1.56%	
394	2014	0	0	0	0	NA	-125.70%	-125.70%	-112.36%	170.05%	-1.36%	-2.82%	-2.82%	-2.17%	-1.47%	-1.57%	-1.18%
394	2015	0	6,300	0	6,300	NA	NA	-88.03%	-88.03%	-78.70%	203.72%	-0.97%	-2.55%	-2.55%	-1.11%	-1.49%	
394	2016	349,787	1,755	0	1,755	0.50%	2.30%	2.30%	-3.54%	-3.54%	-3.54%	-3.52%	10.82%	-0.71%	-2.15%	-1.03%	-1.21%
394	2017	986,533	0	0	0	0.00%	0.13%	0.60%	0.60%	-0.96%	-0.96%	-0.96%	-0.96%	2.94%	-0.48%	-0.90%	-1.03%
394	2018	351009.67	0	96680.68415	(96,681)	-27.54%	-7.23%	-5.63%	-5.25%	-5.25%	-6.43%	-6.43%	-6.43%	-6.43%	-3.33%	-2.69%	-2.63%
394	2019	622600.76	0	-46566.72703	46,567	7.48%	-2.56%	-2.56%	-2.09%	-1.82%	-2.71%	-2.71%	-2.71%	-2.71%	-2.00%	-1.66%	
394	2020	415599.34	0	172.22	(172)	-0.04%	4.47%	-3.62%	-2.12%	-1.78%	-1.55%	-1.55%	-2.31%	-2.31%	-2.31%	-2.13%	-1.38%
394	2021	411287.2	0	665.39	(665)	-0.16%	-0.10%	3.15%	-2.83%	-1.83%	-1.57%	-1.37%	-1.37%	-2.03%	-2.03%	-1.98%	-1.35%
395	1995	119,879	0	0	0	0.00%											
395	1996	85,619	7,770	0	7,770	9.08%	3.78%										
395	1997	271,775	4,400	0	4,400	1.62%	3.41%	2.55%									
395	1998	513,163	0	0	0	0.00%	0.56%	1.40%	1.23%								
395	1999	0	0	0	0	NA	0.00%	0.56%	1.40%	1.23%							
395	2000	147,834	0	0	0	0.00%	0.00%	0.00%	0.47%	1.20%	1.07%						
395	2001	828,217	0	0	0	0.00%	0.00%	0.00%	0.00%	0.25%	0.66%	0.62%					
395	2002	1,066,325	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.16%	0.42%	0.40%				
395	2003	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.16%	0.42%	0.40%			
395	2004	1,534,709	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.10%	0.27%	0.27%		
395	2005	14,632	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.10%	0.27%		
395	2006	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.10%		
395	2007	627,764	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
395	2008	1,802,227	0	4,302	(4,302)	-0.24%	-0.18%	-0.18%	-0.18%	-0.11%	-0.11%	-0.09%	-0.07%	-0.07%	-0.07%		
395	2009	995,079	0	(4,284)	4,284	0.43%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.15%	
395	2010	419,455	0	0	0	0.00%	0.30%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.15%	
395	2011	500,900	0	0	0	0.00%	0.00%	0.22%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.05%	
395	2012	589,907	0	0	0	0.00%	0.00%	0.00%	0.17%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
395	2013	519,840	0	0	0	0.00%	0.00%	0.00%	0.00%	0.14%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
395	2014	971,839	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.11%	0.00%	0.00%	0.00%	0.00%	0.00%	0.11%
395	2015	1,180,840	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.08%	0.00%	0.00%	0.00%	0.00%	0.10%
395	2016	291,101	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.08%	0.00%	0.00%	0.00%	0.04%
395	2017	726,013	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.07%	0.00%	0.00%	0.00%
395	2018	3258140.83	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.05%	0.00%	0.00%
395	2019	1623164.98	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
395	2020	1231062.95	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
395	2021	1165578.55	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
396	1995	16,553	35,695	0	35,695	215.65%											
396	1996	234,496	4,560	0	4,560	1.94%	16.03%										
396	1997	284,528	2,500	0	2,500	0.88%	1.36%	7.98%									
396	1998	0	29,250	0	29,250	NA	11.16%	7.00%	13.44%								
396	1999	0	0	0	0	NA	NA	11.16%	7.00%	13.44%							
396	2000	143,057	0	0	0	0.00%	0.00%	20.45%	7.43%	5.48%	10.61%						
396	2001	89,702	0	0	0	0.00%	0.00%	0.00%	12.57%	6.14%	4.83%	9.37%					
396	2002	149,319	0	0	0	0.00%	0.00%	0.00%	0.00%	7.66%	4.76%	4.03%	7.85%				

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	396	2003	0	12,918	0	12,918	NA	8.65%	5.40%	3.38%	3.38%	11.04%	6.70%	5.46%	9.25%		
	396	2004	381,130	0	0	0	0.00%	3.39%	2.44%	2.08%	1.69%	1.69%	5.53%	4.26%	3.84%	6.54%	
	396	2005	7,384	0	0	0	0.00%	0.00%	3.32%	2.40%	2.06%	1.68%	1.68%	5.47%	4.23%	3.82%	
	396	2006	0	15,800	0	15,800	NA	213.98%	4.07%	7.39%	5.34%	4.58%	3.73%	3.73%	7.52%	5.73%	
	396	2007	211,775	0	0	0	0.00%	7.46%	7.21%	2.63%	4.78%	3.83%	3.42%	2.92%	2.92%	5.90%	
	396	2008	2,685,139	0	0	0	0.00%	0.00%	0.55%	0.54%	0.48%	0.87%	0.84%	0.81%	0.78%	0.78%	
	396	2009	0	61,790	0	61,790	NA	2.30%	2.13%	2.68%	2.67%	2.36%	2.75%	2.64%	2.57%	2.47%	3.87%
	396	2010	0	0	0	0	NA	NA	2.30%	2.13%	2.68%	2.67%	2.36%	2.75%	2.64%	2.57%	3.03%
	396	2011	0	0	0	0	NA	NA	NA	2.30%	2.13%	2.68%	2.67%	2.36%	2.75%	2.64%	3.09%
	396	2012	0	0	0	0	NA	NA	NA	NA	2.30%	2.13%	2.68%	2.67%	2.36%	2.75%	3.27%
	396	2013	0	0	0	0	NA	NA	NA	NA	2.30%	2.13%	2.68%	2.67%	2.36%	2.47%	
	396	2014	0	0	0	0	NA	NA	NA	NA	NA	2.30%	2.13%	2.68%	2.67%	2.47%	3.87%
	396	2015	0	0	0	0	NA	NA	NA	NA	NA	NA	2.30%	2.13%	2.68%	2.57%	3.03%
	396	2016	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	2.30%	2.13%	2.64%	3.09%
	396	2017	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	2.30%	2.75%	3.27%
	396	2018	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.36%	2.47%
	396	2019	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.67%	2.47%
	396	2020	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.68%	2.57%
	396	2021	0	0	0	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.13%	2.64%
	392/396	1995	3,906,182	739,465	24,151	715,313	18.31%										
	392/396	1996	2,085,602	342,786	858	341,928	16.39%	17.64%									
	392/396	1997	4,230,791	588,456	16,802	571,654	13.51%	14.46%	15.93%								
	392/396	1998	1,280	133,055	0	133,055	10391.34%	16.65%	16.57%	17.23%							
	392/396	1999	0	145,432	9,575	135,857	NA	21001.50%	19.86%	18.72%	18.56%						
	392/396	2000	2,891,010	174,818	0	174,818	6.05%	10.75%	15.34%	14.25%	14.74%	15.80%					
	392/396	2001	89,702	10,250	0	10,250	11.43%	6.21%	10.77%	15.22%	14.22%	14.71%	15.77%				
	392/396	2002	149,319	30,449	0	30,449	20.39%	17.03%	6.89%	11.23%	15.47%	14.34%	14.80%	15.83%			
	392/396	2003	0	67,787	0	67,787	NA	65.79%	45.39%	9.05%	13.39%	17.64%	15.27%	15.51%	16.33%		
	392/396	2004	2,345,209	62,299	0	62,299	2.66%	5.55%	6.44%	6.61%	6.31%	8.79%	11.22%	12.22%	12.96%	14.29%	
	392/396	2005	203,394	39,424	0	39,424	19.38%	3.99%	6.65%	7.41%	7.54%	6.78%	9.17%	11.51%	12.37%	13.07%	
	392/396	2006	558,780	98,235	0	98,235	17.58%	18.06%	6.43%	8.62%	9.16%	9.22%	7.75%	9.93%	12.06%	12.64%	
	392/396	2007	1,564,382	14,920	0	14,920	0.95%	5.33%	6.58%	4.60%	6.05%	6.49%	6.58%	6.39%	8.13%	9.83%	
	392/396	2008	9,668,667	43,695	0	43,695	0.45%	0.52%	1.33%	1.64%	1.80%	2.28%	2.46%	2.52%	3.10%	3.88%	
	392/396	2009	0	122,248	0	122,248	NA	1.72%	1.61%	2.37%	2.66%	2.66%	3.13%	3.31%	3.36%	3.80%	9.25%
	392/396	2010	467,989	19,210	0	19,210	4.10%	30.23%	1.83%	1.71%	2.43%	2.71%	2.70%	3.16%	3.33%	3.38%	7.69%
	392/396	2011	640,471	43,132	0	43,132	6.73%	5.62%	16.65%	2.12%	1.97%	2.65%	2.91%	2.87%	3.31%	3.47%	6.87%
	392/396	2012	257,317	49,019	0	49,019	19.05%	10.26%	8.15%	17.10%	2.51%	2.32%	2.97%	3.22%	3.13%	3.57%	5.54%
	392/396	2013	406,955	47,340	0	47,340	11.63%	14.51%	10.69%	8.95%	15.85%	2.84%	2.61%	3.23%	3.47%	3.35%	4.98%
	392/396	2014	116,279	6,289	0	6,289	5.41%	10.25%	13.15%	10.26%	8.73%	15.21%	2.86%	2.64%	3.25%	3.48%	4.28%
	392/396	2015	51,135	14,289	0	14,289	27.94%	12.29%	11.82%	14.06%	10.87%	9.24%	15.54%	2.97%	2.73%	3.34%	4.05%
	392/396	2016	329,708	94,518	0	94,518	28.67%	28.57%	23.15%	17.97%	18.21%	14.13%	12.06%	17.45%	3.68%	3.37%	4.49%
	392/396	2017	716,420	12,089	0	12,089	1.69%	10.19%	11.02%	10.48%	10.77%	11.90%	10.59%	9.57%	13.67%	3.57%	4.24%
	392/396	2018	610,436	23,481	0	23,481	3.85%	2.68%	7.85%	8.45%	8.26%	8.88%	9.93%	9.27%	8.60%	12.00%	3.85%
	392/396	2019	172,475	612	171,863	102.54%	25.11%	13.88%	16.55%	16.86%	16.19%	15.42%	15.77%	14.02%	12.78%	5.07%	5.39%
	392/396	2020	387,985	338,146	0	338,146	87.15%	91.80%	45.75%	28.98%	28.94%	28.91%	27.76%	25.41%	24.87%	21.72%	6.89%
	392/396	2021	530,668	154,461	1,062	153,399	28.91%	53.51%	61.07%	40.48%	28.97%	28.93%	28.91%	27.97%	25.97%	25.47%	7.25%
	397 Amortized	2000	108,804	0	0	0	0.00%										
	397 Amortized	2001	19,120	10,133	17,811	(7,678)	-40.16%	-6.00%									
	397 Amortized	2002	593,530	0	0	0	0.00%	-1.25%	-1.06%								
	397 Amortized	2003	0	0	(2,965)	2,965	NA	0.50%	-0.77%	-0.65%							
	397 Amortized	2004	0	0	(2,684)	2,684	NA	NA	0.95%	-0.33%	-0.28%						
	397 Amortized	2005	0	0	1,599	(1,599)	NA	NA	NA	0.68%	-0.59%	-0.50%					

ONCOR ELECTRIC DELIVERY-LEGACY AND NTUSU
TRANSMISSION, DISTRIBUTION, AND GENERAL PLANT
RETIREMENTS REMOVAL COST AND NET SALVAGE ANALYSIS

FERC Account	Activity Year	Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %	15- yr Net Salv. %	20- yr Net Salv. %
397 Amortized	2006	5,312	0	0	0	0.00%	-30.10%	20.42%	76.24%	0.68%	-0.59%	-0.50%					
397 Amortized	2007	917,215	0	0	0	0.00%	0.00%	-0.17%	0.12%	0.44%	0.27%	-0.24%	-0.22%				
397 Amortized	2008	6,975,112	0	5,430	(5,430)	-0.08%	-0.07%	-0.07%	-0.09%	-0.06%	-0.02%	-0.02%		-0.11%			
397 Amortized	2009	6,631	0	89,538	(89,538)	-1350.23%	-1.36%	-1.20%	-1.20%	-1.22%	-1.19%	-1.15%	-1.07%	-1.16%	-1.14%		
397 Amortized	2010	2,159,756	0	0	0	0.00%	-4.13%	-1.04%	-0.84%	-0.84%	-0.96%	-0.93%	-0.90%	-0.85%	-0.92%		
397 Amortized	2011	586,449	0	0	0	0.00%	0.00%	-3.25%	-0.98%	-0.89%	-0.89%	-0.91%	-0.88%	-0.85%	-0.81%		
397 Amortized	2012	594,604	0	0	0	0.00%	0.00%	0.00%	-2.67%	-0.92%	-0.84%	-0.84%	-0.86%	-0.83%	-0.81%		
397 Amortized	2013	774,208	0	0	0	0.00%	0.00%	0.00%	0.00%	-2.17%	-0.86%	-0.79%	-0.79%	-0.80%	-0.78%		
397 Amortized	2014	2,945,903	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	-1.27%	-0.68%	-0.63%	-0.63%	-0.65%	-0.63%	
397 Amortized	2015	943,339	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-1.12%	-0.63%	-0.60%	-0.60%	-0.60%	
397 Amortized	2016	397,092	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-1.08%	-0.62%	-0.58%	-0.54%	
397 Amortized	2017	291,570	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-1.03%	-0.61%	-0.55%	
397 Amortized	2018	507563.35	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.55%	
397 Amortized	2019	17713989.1	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.28%	-0.28%
397 Amortized	2020	4381559.38	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.24%	-0.25%
397 Amortized	2021	1667462.44	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.23%	-0.22%
397 Depreciable	2000	13,852	0	0	0	0.00%											
397 Depreciable	2001	0	0	0	0	NA	0.00%										
397 Depreciable	2002	221,654	0	18,568	(18,568)	-8.38%	-8.38%	-7.88%									
397 Depreciable	2003	0	0	0	0	NA	-8.38%	-8.38%	-7.88%								
397 Depreciable	2004	0	0	0	0	NA	NA	-8.38%	-8.38%	-7.88%							
397 Depreciable	2005	0	0	0	0	NA	NA	NA	-8.38%	-8.38%	-7.88%						
397 Depreciable	2006	41,203	0	160	(160)	-0.39%	-0.39%	-0.39%	-0.39%	-7.12%	-7.12%	-6.77%					
397 Depreciable	2007	20,318,210	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	-0.09%	-0.09%	-0.09%				
397 Depreciable	2008	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	-0.09%	-0.09%	-0.09%	-0.09%		
397 Depreciable	2009	0	0	0	0	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%	-0.09%	-0.09%	-0.09%		
397 Depreciable	2010	4,920,284	0	68,868	(68,868)	-1.40%	-1.40%	-0.27%	-0.27%	-0.27%	-0.27%	-0.27%	-0.27%	-0.27%	-0.34%	-0.34%	
397 Depreciable	2011	835,014	0	86,915	(86,915)	-10.41%	-2.71%	-2.71%	-2.71%	-0.60%	-0.60%	-0.60%	-0.60%	-0.60%	-0.66%	-0.66%	
397 Depreciable	2012	141,253	0	0	0	0.00%	-8.90%	-2.64%	-2.64%	-2.64%	-0.59%	-0.59%	-0.59%	-0.59%	-0.59%	-0.59%	
397 Depreciable	2013	1,959,777	0	0	0	0.00%	0.00%	-2.96%	-1.98%	-1.98%	-1.98%	-0.55%	-0.55%	-0.55%	-0.55%		
397 Depreciable	2014	157,695	0	170,223	(170,223)	-107.94%	-8.04%	-7.54%	-8.31%	-4.07%	-4.07%	-4.07%	-1.15%	-1.15%	-1.15%	-1.20%	
397 Depreciable	2015	649,151	0	0	0	0.00%	-21.10%	-6.15%	-5.85%	-6.87%	-3.76%	-3.76%	-3.76%	-1.12%	-1.12%	-1.12%	-1.18%
397 Depreciable	2016	5,036,457	0	0	0	0.00%	0.00%	-2.91%	-2.18%	-2.14%	-2.93%	-2.38%	-2.38%	-2.38%	-0.96%	-1.01%	
397 Depreciable	2017	8,443,751	0	0	0	0.00%	0.00%	0.00%	-1.19%	-1.05%	-1.04%	-1.49%	-1.47%	-1.47%	-1.47%	-0.77%	
397 Depreciable	2018	0	0	403555.06	(403,555)	NA	-4.78%	-2.99%	-2.86%	-4.02%	-3.53%	-3.50%	-3.84%	-3.29%	-3.29%	-1.72%	
397 Depreciable	2019	3546410.18	0	23473.2	(23,473)	-0.66%	-12.04%	-3.56%	-2.51%	-2.42%	-3.35%	-3.02%	-3.00%	-3.29%	-2.93%	-1.64%	-1.67%
397 Depreciable	2020	0	0	67977.48	(67,977)	NA	-2.58%	-13.96%	-4.13%	-2.91%	-2.80%	-3.73%	-3.36%	-3.34%	-3.62%	-1.78%	-1.81%
397 Depreciable	2021	2485847.67	0	660194.76	(660,195)	-26.56%	-29.29%	-12.46%	-19.15%	-7.98%	-5.92%	-5.73%	-6.52%	-5.95%	-5.91%	-3.05%	-3.08%
398	1995	232,475	449	0	449	0.19%											
398	1996	7,808	0	0	0	0.00%	0.19%										
398	1997	6,282	0	0	0	0.00%	0.00%	0.18%									
398	1998	18,005	0	0	0	0.00%	0.00%	0.00%	0.17%								
398	1999	0	0	0	0	NA	0.00%	0.00%	0.00%	0.17%							
398	2000	681,820	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.05%						
398	2001	53,153	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%					
398	2002	299,610	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%				
398	2003	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.03%			
398	2004	274,471	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%		
398	2005	0	0	664	(664)	NA	-0.24%	-0.24%	-0.12%	-0.11%	-0.05%	-0.05%	-0.05%	-0.05%	-0.05%		

ONCOR ELECTRIC DELIVERY-LEGACY AND NTUSU
TRANSMISSION, DISTRIBUTION, AND GENERAL PLANT
RETIREMENTS REMOVAL COST AND NET SALVAGE ANALYSIS

FERC Account	Activity Year	Retirements	Salvage	Removal Cost	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %	15- yr Net Salv. %	20- yr Net Salv. %
398	2006	1,958	0	0	0	0.00%	-33.94%	-0.24%	-0.24%	-0.12%	-0.11%	-0.05%	-0.05%	-0.05%	-0.05%		
398	2007	142,707	0	0	0	0.00%	0.00%	-0.46%	-0.16%	-0.16%	-0.09%	-0.09%	-0.05%	-0.05%	-0.05%		
398	2008	148,425	0	0	0	0.00%	0.00%	0.00%	-0.23%	-0.12%	-0.12%	-0.08%	-0.07%	-0.04%	-0.04%		
398	2009	694,269	0	0	0	0.00%	0.00%	0.00%	0.00%	-0.07%	-0.05%	-0.05%	-0.04%	-0.04%	-0.03%	-0.01%	
398	2010	66,560	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	-0.06%	-0.05%	-0.05%	-0.04%	-0.04%	-0.03%	
398	2011	143,572	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.06%	-0.05%	-0.05%	-0.04%	-0.03%	
398	2012	349,434	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.04%	-0.04%	-0.04%	-0.02%	
398	2013	0	0	0	0	NA	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.04%	-0.04%	-0.02%	
398	2014	9,773	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.04%	-0.02%	-0.01%
398	2015	140,416	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.03%	-0.02%
398	2016	53,150	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.03%	-0.02%
398	2017	32,937	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.03%	-0.02%
398	2018	73,173	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.03%	-0.02%
398	2019	628,992	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.03%	-0.02%
398	2020	165,351	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.02%
398	2021	217,006	0	0	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.02%

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
WORKPAPERS FOR
THE DIRECT TESTIMONY OF
DANE A. WATSON**

The information is voluminous and is being provided in electronic format in compliance with RFP General Instruction No. 15.

Additionally, in accordance with RFP General Instruction No. 12(c), below is a list of the files that are being provided electronically:

Testimony Workpapers/Voluminous/Watson

Folder: 2021 Removal Cost Adjustment

Folder: Accounting Policy Changes

Folder: Accrual

Folder: Actuarial Data Set

Folder: Actuarial Runs

Folder: Appendices

Folder: Averages

Folder: Interview Notes

Folder: Net Salvage

Folder: Retirement Addition Graphs

Folder: RTU Data

Folder: Scenario Capital Change

Folder: SPR Data Set

Folder: SPR Plots

Folder: SPR Runs @ 2021

Folder: Vintage Balance Adjustments

Folder: Acct 363

Folder: Budget Summary

WP-Watson-direct.doc

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OF JOEL S. AUSTIN, WITNESS FOR
ONCOR ELECTRIC DELIVERY COMPANY LLC**

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PUC Docket No. _____

**Austin - Direct
Oncor Electric Delivery
2022 Rate Case**

DIRECT TESTIMONY OF JOEL S. AUSTIN

I. POSITION AND QUALIFICATIONS

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

A. My name is Joel S. Austin. My business address is 1616 Woodall Rodgers Freeway, Dallas, Texas 75202. I am currently the Senior Vice President and Chief Digital Officer ("CDO") for Oncor Electric Delivery Company LLC ("Oncor" or "Company"). I am a member of Oncor's Senior Leadership Team.

Q. WHAT ARE YOUR RESPONSIBILITIES IN YOUR CURRENT POSITION?

A. As Senior Vice President and CDO, I am responsible for Technology, Measurement & Billing, and Customer Engagement ("TMC"), and sourcing initiatives Oncor has undertaken to enable it to continue to provide safe and reliable electric utility service to its customers. I have responsibility for a variety of functions, including technology strategy, cybersecurity, billing, payments, collections, contact center, digital innovations, market relations, and execution of the Company's energy efficiency program.

Q. PLEASE DESCRIBE AND SUMMARIZE YOUR EDUCATIONAL BACKGROUND AND BUSINESS EXPERIENCE.

A. I received a Bachelor of Science degree in Accounting and Business Administration from the University of Kansas and a Master's degree in Business from the University of Missouri at Kansas City. I have more than 35 years of experience in the energy, finance, and technology industries, including more than 30 years of experience with Oncor and various predecessor and affiliated companies. I have held various roles associated with business and customer operations, information and telecommunication technology, corporate change, and held multiple management positions during my career. During my initial eight years with TU Electric and ENSERCH, I built and managed various business-specific functions, including those associated with customer service, finance and accounting,

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1 human resources, information technology ("IT"), and other operational
2 functions. I then spent two years with Deloitte & Touche leading a variety of
3 business and technology consulting engagements spanning the energy
4 industry. After returning to the TXU Corp. family of companies, I led the
5 technology build-out of TXU Corp.'s energy trading business for Texas' 2002
6 market open. I also served in a number of capacities within TXU Corp.'s and
7 then Energy Future Holdings Corp.'s ("EFH Corp.") technology management
8 and governance functions from 2004 through 2008. Since returning to Oncor
9 in 2008, I have led or participated in the sourcing and re-sourcing efforts
10 associated with necessary services for the Company. I also led the Oncor
11 Information Technology group as Vice President and Chief Information
12 Officer from 2009 through 2017.

13 Q. HAVE YOU PREVIOUSLY PROVIDED TESTIMONY BEFORE THE
14 PUBLIC UTILITY COMMISSION OF TEXAS ("COMMISSION")?

15 A. Yes. I provided testimony in Docket Nos. 38929 and 46957.

16 **II. PURPOSE OF DIRECT TESTIMONY**

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

18 A. The purpose of my direct testimony is to describe the following:

- 19 • Oncor's TMC organization;
- 20 • cost controls within the TMC organization;
- 21 • an overview of the TMC-related operation and maintenance ("O&M")
22 costs incurred during the "Test Year" which is the twelve-month period
23 ending December 31, 2021, and reasonableness and necessity of
24 these expenses;
- 25 • the Company's technology modernization program, including a
26 discussion of the capital expenditures associated with the program
27 and the prudence of that investment;
- 28 • certain existing outsourcing relationships; and

1 • an overview of the outsourcing costs incurred during the Test Year,
2 including certain known and measurable changes associated with
3 outsourcing relationships with third-party vendors.

4 Q. WHY IS IT IMPORTANT FOR THE COMMISSION TO FIND THE TMC-
5 RELATED O&M EXPENSES REASONABLE AND NECESSARY?

6 A. As described below, the TMC group within Oncor provides multiple functions
7 that allow Oncor to operate in a safe and reliable manner. These O&M
8 expenses are largely attributable to the employees and contractors that
9 provide support in areas ranging from technology to billing to market
10 relations, all of which are fundamental to the Company's core mission.

11 Q. WHY IS IT IMPORTANT FOR THE COMMISSION TO FIND THE
12 EXPENDITURES ASSOCIATED WITH THE TECHNOLOGY-RELATED
13 CAPITAL INVESTMENT PRUDENT, REASONABLE, AND NECESSARY?

14 A. Technology has become fundamental to providing safe and reliable service
15 in a modern environment. Underpinning virtually every aspect of the
16 Company's operations is a technology-related investment that facilitates
17 whatever the specific operation may be. The Company has invested heavily
18 in these types of assets (and will continue to make these investments) to
19 provide the level of service expected by the market and individual customers
20 across its service territory.

21 Q. WHY IS IT IMPORTANT FOR THE COMMISSION TO FIND THE O&M
22 EXPENSES RELATED TO ONCOR'S OUTSOURCING RELATIONSHIPS
23 REASONABLE AND NECESSARY?

24 A. Oncor has established outsourcing relationships for certain functional
25 support areas within the Company to better balance the expenses
26 associated with the various services. If these types of relationships are not
27 in place or the costs are somehow disallowed, it is quite likely that expenses
28 will increase to the detriment of ratepayers across the system due to the fact
29 that these necessary services will need to be sourced internally.

1 Q. WAS YOUR TESTIMONY, INCLUDING EXHIBITS, PREPARED BY YOU
2 OR AT YOUR DIRECTION?

3 A. Yes. My testimony, the attached exhibit, and associated workpapers were
4 prepared by me or under my direction, supervision, or control and are, to the
5 best of my knowledge and belief, true and correct.

6 **III. OVERVIEW OF ONCOR'S TMC ORGANIZATION**

7 Q. WHY IS THE TMC ORGANIZATION IMPORTANT TO ONCOR'S SERVICE
8 DELIVERY MODEL?

9 A. Technology and innovation continue to be key enablers in transforming
10 Oncor's customer experience, while enhancing the safety, and reliability of
11 the Company's electric utility service. The TMC organization, which is
12 comprised of approximately 1800 Company employees and contractors
13 (including those employed by the entities discussed in Section VI of my
14 testimony), performs key roles within Oncor such as managing the
15 modernization and use of advanced information and telecommunication
16 technologies, and manages the functions associated with measurement and
17 billing, market relations, and engaging with Oncor's customers.

18 First and foremost, Oncor's safety and reliability programs use the
19 TMC-managed technologies and innovations to develop new ideas,
20 concepts, and automated processes. This facilitates continuous
21 improvement in workforce and customer initiatives, which in turn improve
22 efficiency and the effective management of Oncor's assets and customer
23 experience.

24 As used in my testimony, when I refer to "customer experience," I am
25 referring to customer engagement and customer service management
26 functions within the Company. These functions leverage TMC-managed
27 technologies to enhance the efficiency of customer interactions with Oncor.
28 These technology functions include digital communications, self-service
29 solutions, and automation capabilities through omnichannel communication,

1 including smartphones, messaging applications, and social media that
2 provide customers with greater information access and transparency.

3 Q. WHAT ARE THE RESPONSIBILITIES FOR EACH OF THE GROUPS
4 WITHIN THE TMC ORGANIZATION?

5 A. TMC's "Technology" group is responsible for the information and
6 telecommunication technologies, which are internally referred to as the
7 "digital grid," that operate in coordination with the transmission and
8 distribution electric grids to effectively manage and continuously improve
9 upon the safe, secure, and reliable delivery of electricity and associated
10 information to Oncor's customers. The Technology group focuses on
11 system reliability, data quality, advancements in information and
12 telecommunication technology capabilities, analytics, cybersecurity for both
13 information and operations technology, workforce productivity, customer
14 service management, and operating via a new state-of-the-art digital control
15 room known by the Technology group as digital grid management ("DGM").
16 The direct testimony of Company witness Ms. Malia A. Hodges describes
17 the activities of the Technology group in more detail.

18 The "Measurement & Billing" group is responsible for operation of
19 meters, the development and maintenance of metering standards, policies,
20 practices, and procedures used during the installation and maintenance of
21 advanced electric meters and their associated equipment. The group is also
22 responsible for the revenue management function, including customer
23 billing, payments, and collections. The direct testimony of Company witness
24 Mr. Daniel E. Hall describes the activities of the Measurement & Billing group
25 in more detail.

26 The "Market Relations" group within TMC is responsible for Oncor's
27 interaction with Electric Reliability Council of Texas ("ERCOT") market
28 participants and associated activities, the execution of Oncor's energy
29 efficiency program, and the reporting of Oncor's market performance to the
30 Commission.

1 Finally, the "Customer Engagement" group is responsible for
2 managing Oncor's customer-facing call center, various digital services
3 provided to the customers, and key account services associated with large
4 commercial and industrial customers. The Customer Engagement group is
5 also responsible for managing the transformation program related to ongoing
6 digital innovation and process improvement projects for use by Oncor's
7 employees, customers, and other stakeholders.

8 **IV. OVERVIEW OF COST CONTROLS**

9 Q. HOW IS THE TMC ORGANIZATION'S BUDGET DEFINED?

10 A. The TMC organization's budget is defined through an annual review process
11 directed by Oncor's management, and includes considerations for projected
12 capital investments, revenues, and operating costs based on initiatives that
13 are consistent with Oncor's strategy. Ultimately, the Company's Senior
14 Leadership Team of which I am a member, approves the budget.

15 Q. ARE BUDGETS REVIEWED FOR VARIANCES DURING THE YEAR?

16 A. Yes. Executive management personnel within each of the TMC groups are
17 responsible for reviewing expenditures relative to their respective budgets
18 each month. The management personnel are responsible for investigating
19 any material variances from the approved budget, and if costs for a particular
20 activity are increasing, actions are taken to identify the cause(s), and reduce
21 expense where appropriate. Permanent variances, either increases or
22 decreases, are incorporated into a monthly revised budget that is then
23 reviewed again by the executive management team within each of the TMC
24 groups.

25 Q. OTHER THAN THE BUDGET PROCESS AND MONTHLY REVIEWS,
26 DOES ONCOR TAKE OTHER STEPS TO CONTROL COSTS?

27 A. Yes. Oncor takes several additional steps to control costs. TMC utilizes
28 third-party services to gather information from a number of sources to
29 evaluate TMC's strategies and standards relative to the philosophies,
30 policies, practices, and measures of other entities in the utility industry.

1 These efforts assist the Company with evaluating expectations of our
2 customers and priorities with regard to expenses. The TMC organization
3 also utilizes salary and wage market reviews conducted by Oncor's Human
4 Resources group to ensure employee's total compensation remains
5 competitive. Please refer to the direct testimony of Company witness Ms.
6 Angela Y. Guillory for additional discussion of Oncor's compensation
7 philosophy and methodology. In addition, the TMC organization utilizes
8 Oncor's procurement processes as part of its sourcing strategy to ensure
9 that the commercial terms are effectively negotiated to obtain reasonable
10 pricing. Generally, the procurement processes include: (1) competitive
11 sourcing practices; (2) acquisition of long-term software licensing
12 agreements to maximize discounting; (3) engaging volume purchases to
13 lower costs; and (4) managing service fees through long-term negotiated
14 rates.

15 Q. WHAT LEVEL OF O&M EXPENSE DID ONCOR INCUR DURING THE
16 TEST YEAR ASSOCIATED WITH THE TMC ORGANIZATION?

17 A. The Company's O&M associated with the TMC organization during the Test
18 Year was approximately \$185 million.

19 Q. ARE THE O&M EXPENSES ASSOCIATED WITH THE TMC
20 ORGANIZATION REASONABLE AND NECESSARY?

21 A. Yes. Oncor's expenses related to the various activities performed by the
22 TMC organization are reasonable and necessary. The activities performed
23 and overseen within the TMC organization are critical to the safe and reliable
24 service provided by Oncor to its customers.

25 Please also see the direct testimony of Oncor witness Ms. Hodges for
26 additional discussion of technology-related O&M.

1 **V. OVERVIEW OF TECHNOLOGY MODERNIZATION PROGRAM**

2 Q. PLEASE DISCUSS ONCOR'S GENERAL STRATEGY TO INVEST IN
3 TECHNOLOGY TO SUPPORT A MODERN ELECTRIC UTILITY GRID.

4 A. A modern, safe, reliable, and secure electric utility grid is dependent on the
5 utility's effective use of modern technology, data, and telecommunication
6 infrastructure to support its processes and customer experiences. The use
7 of modern technology enables process improvement activities, automation,
8 and other innovative solutions such as mobile applications to improve O&M
9 functions, while enhancing customers' experiences. In addition to modern
10 technology, the utility's ability to efficiently extract data from its technology
11 investments and transform that data using advanced analytics into quality
12 information provides similar opportunities for improving asset management
13 and providing greater transparency for the customer. Another key aspect of
14 Oncor's strategy includes upgrades to its telecommunication infrastructure
15 to integrate these evolving technologies and support the timely transfer of
16 greater amounts of data and information to/from utility functions and
17 customer service processes. Finally, Oncor's continued focus on its
18 cybersecurity program ensures that the electric utility grid and the systems
19 and applications used to engage with customers are being securely
20 maintained. For Oncor to maintain its commitment to its stakeholders and
21 customers, ongoing investment in technology is required to effectively
22 deliver electricity and utilize associated information in the 21st century.

23 Q. WHAT TECHNOLOGY INVESTMENTS HAS ONCOR MADE SINCE ITS
24 LAST BASE-RATE CASE, DOCKET NO. 46957?

25 A. Oncor has made numerous, significant investments in technology since the
26 last base-rate case including investments in the Customer Care & Billing
27 ("CC&B") platform, Telecommunications Refresh Program ("TRP"),
28 Advanced Enterprise Geographic Information System ("AEGIS"), and
29 Transmission Management System ("TMS") replacement. Oncor has also
30 invested in IT projects to support several functions within Oncor that are

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1 beneficial to operations and customers, including cybersecurity. These
2 technology-related investments are discussed in the direct testimony of
3 Company witness Ms. Hodges.

4 Q. WHAT CONSIDERATIONS ARE MADE BY ONCOR IN DEVELOPING AND
5 INVESTING IN ITS CYBERSECURITY PROGRAM?

6 A. There are many considerations that must be applied in tandem to effectively
7 develop, implement, and maintain a current and comprehensive
8 cybersecurity strategy. Some of these considerations include: (1)
9 exponential exposure to malware and ransomware attacks; (2) rapid
10 convergence of IT and operational technology; (3) increased use of complex
11 devices; (4) expanded regulatory compliance with requirements of the North
12 American Electric Reliability Corporation ("NERC"), ERCOT, National
13 Institute of Standards and Technology ("NIST"), and IT General Controls
14 ("ITGC"); (4) use of interconnected networks; (5) need for dynamic
15 monitoring, inspection, detection and isolation methodologies; (6)
16 identification of new primary targets; (7) incorporation of cybersecurity
17 technologies that are capable of evolving with known and future threats; and
18 (8) use of artificial intelligence. These considerations, and others, must be
19 analyzed on a regular or situational basis as Oncor and similar-situated
20 companies move into a 21st century technology environment.

21 Q. WHAT CYBERSECURITY PROTECTIONS AND CONTROLS ARE USED
22 FOR CUSTOMER INFORMATION?

23 A. Oncor takes the management and protection of customer information and
24 associated regulatory requirements seriously and has made substantial
25 investments in cybersecurity protections and controls to monitor, protect,
26 and manage potential risks through the use of advanced technologies,
27 processes and well-trained security personnel. Oncor's cybersecurity
28 program is based on a multi-layered approach and includes: (1) modern
29 threat protection hardware and software solutions; (2) advanced analytics;
30 (3) industry-based processes and procedures; (4) well-trained resources; (5)

1 ongoing reviews with cybersecurity experts; and (6) use of Oncor's DGM to
2 provide continuous monitoring and management services for the purposes
3 of identifying potential risks and implementing the appropriate mitigating
4 controls.

5 Q. WHAT IS THE FUNCTION OF DGM?

6 A. DGM is the term Oncor uses to describe its strategy to continuously monitor
7 and manage technology operations, including cybersecurity and
8 communication events associated with technology assets used by Oncor in
9 a manner similar to the way that the transmission and distribution functions
10 monitor Oncor's electric grid. The technology assets include those used to
11 manage day-to-day operations, as well as those used as part of the
12 transmission and distribution electrical grids. Oncor's DGM strategy
13 combines traditionally separate communications, cybersecurity, and data
14 center functions into a more efficient incident response team.

15 Q. WHAT TECHNOLOGIES AND PLATFORMS WERE UTILIZED AND
16 RELIED UPON DURING WINTER STORM URI?

17 A. Oncor utilized many (if not all) technology platforms related to power
18 restoration operations and customer communications before and during
19 Winter Storm Uri, including those associated with asset management, work
20 management, graphic design, outage management, supervisory control and
21 data acquisition (SCADA), employee communications, telecommunications,
22 analytics, advanced metering, customer messaging and alerting, customer
23 information and billing, workforce management, information management,
24 and customer call centers. For example, the Company utilized the
25 investments made in the CC&B project, AEGIS project and the TRP project
26 to support restoration efforts during and after the storm. In addition, Oncor
27 utilized its storm map, My Oncor Alerts (text messaging, email and broadcast
28 voicemail program), and interactive voice response ("IVR") to support
29 customer communications during the multi-day event. The use of the
30 various technology platforms during Winter Storm Uri are discussed in

1 further detail in the direct testimony of Company witnesses Messrs. James
2 A. Greer, Wesley R. Speed, Daniel E. Hall, Keith Hull, and Collin M. Martin.

3 Q. WHAT OTHER TECHNOLOGY-RELATED INVESTMENTS OR
4 UPGRADES HAVE BEEN MADE AS A RESULT OF WINTER STORM URI?

5 A. After Winter Storm Uri, Oncor evaluated how customer communication
6 platforms performed and reviewed processes and procedures to identify
7 areas where enhancements could be made to support future needs. The
8 scale and volume of customer inquiries and need for information set new
9 standards for scalability requirements. Oncor has made investments in
10 multiple projects to support scalability and the transparency of information
11 available to customers. This includes an investment in a second IVR,
12 allowing for a better experience and to provide necessary redundancy for
13 primary telecommunications with customers. Oncor introduced the first
14 generation of a new Virtual Assistant to support customers 24/7 and is
15 currently investing in projects to expand communication channels to provide
16 continuous support and scalability.

17 Q. WHAT WAS THE TOTAL TECHNOLOGY-RELATED INVESTMENT MADE
18 BY ONCOR FROM DECEMBER 31, 2016, THROUGH DECEMBER 31,
19 2021?

20 A. Oncor placed into service approximately \$960 million in technology-related
21 capital from December 31, 2016, through December 31, 2021. Table 1
22 below summarizes those investments.

**Table 1 – Technology-Related Capital Investment of
Assets Placed in Service After December 31, 2016**

Project Name	Total
CC&B	\$275,015,555
AEGIS	\$ 99,727,676
TRP	\$168,194,626
TMS	\$ 52,606,807
Asset & Work Management	\$101,870,500
Workforce & Customer Engagement	\$107,873,231
Data Center Management	\$ 89,129,065
Advanced Analytics	\$ 17,774,612
SCADA and Support	\$ 16,025,764
Cybersecurity	\$ 31,520,938
Total	\$959,738,774

Q. ARE THE CAPITAL INVESTMENTS IN TABLE 1 ABOVE USED AND USEFUL IN ONCOR'S PROVISION OF SERVICE TO THE PUBLIC?

A. Yes. All of the technology-related investments in Table 1 are in-service and necessary to the safe and reliable operation of Oncor. The assets are used and useful.

Q. WERE THE CAPITAL INVESTMENTS YOU DESCRIBED ABOVE PRUDENT?

A. Yes. The technology-related capital investment described above was prudent, reasonable, and necessary. Please also see the direct testimony of Company witnesses Ms. Hodges, Mr. Martin, Mr. Hull, and Mr. Hall for additional discussion of the benefits and prudence of the technology-related investment.

VI. OUTSOURCING RELATIONSHIPS

Q. PLEASE DESCRIBE ONCOR'S MAJOR EXISTING OUTSOURCING RELATIONSHIPS AND THEIR RESPECTIVE SERVICE PROVIDERS.

A. Oncor has agreements with various third-parties to provide services for functional service areas, including IT, Customer Engagement, Supply Chain, Finance & Accounting, and Human Resources. The services are described

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in Exhibit JSA-1 to my direct testimony. Table 2 below identifies the service providers. In addition to the providers identified in Table 2, Oncor also utilizes staff augmentation firms to provide service support and internal resources as necessary.

Table 2 – Test Year Service Providers

SERVICE AREA	SERVICE PROVIDER	SERVICE START DATE
IT	HCL America, Inc. ("HCL") and International Business Machines Corporation ("IBM")	Nov 2009
Customer Engagement	GC Services Limited Partnership ("GC Services")	April 2016
Supply Chain	CapGemini America, Inc. ("CGA")	August 2015
Finance & Accounting	CGA	August 2015
Human Resources	The Ultimate Kronos Group Inc. ("Ultimate"), Businessolver.com Inc. ("Businessolver"), Fidelity Management Trust Company ("Fidelity MTC"), and Fidelity Workplace Services LLC ("Fidelity WS")	Multiple Dates Depending on Provider

Q. WHY DOES ONCOR OUTSOURCE CERTAIN SERVICES?

A. Oncor outsources certain services to complement its workforce and maintain optimal operational flexibility at reasonable costs. While Oncor does outsource certain necessary services, it monitors the services being performed and provides strategic input to the service providers to ensure appropriate services and service quality are being provided to Oncor.

Please also see the direct testimony of Oncor witness Mr. Matthew D. Smith for additional discussion of the Company's outsourcing relationships.

1 **A. Information Technology**

2 Q. WHAT IS ONCOR'S DELIVERY MODEL FOR IT SERVICES?

3 A. HCL provides many of the necessary IT infrastructure services, while IBM
4 provides many of the necessary IT application maintenance and
5 development ("IT AM/D") services. Oncor employees provide other IT
6 services, such as those associated with security, network architecture, 896
7 Radio support, and general IT management and planning. These services
8 are required by Oncor to meet its obligation to provide safe and reliable
9 service to its customers.

10 Q. WHY DOES ONCOR EMPLOY AN OUTSOURCED SERVICE DELIVERY
11 SOLUTION FOR IT INFRASTRUCTURE SERVICES?

12 A. Oncor employs an outsourced service delivery solution for IT infrastructure
13 services to maximize flexibility, which keeps costs at a reasonable level while
14 still being able to obtain these services at the requisite levels and scope.
15 The contract with HCL specifically describes the responsibilities of the
16 provider and provides mechanisms to address increases or decreases in
17 scope. Oncor has taken responsibility for certain aspects of infrastructure
18 services, such as ownership of the assets used to provide the services and
19 strategic decisions as to how the overall computing environment will be
20 structured and operated. The result of separating these responsibilities
21 provides Oncor strategic control, greater visibility into the provision of
22 services, and greater control of costs associated with the services.

23 Q. WHAT ARE THE PRIMARY TERMS OF THE CONTRACT WITH HCL?

24 A. The Company entered into a contract for IT infrastructure services with HCL
25 commencing November 1, 2009. The initial five-year term of the contract
26 was extended through various contract amendments and extensions. In
27 2020, Oncor extended the agreement with HCL for an additional three years
28 with two one-year options. In the most recent amendment, Oncor changed
29 from a completely managed service model to a capacity model for the
30 services that require enhancements and operational functions and retained

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1 the managed service model for services that are purely operational (i.e.,
2 Help Desk). A managed service model relies on the supplier (HCL in this
3 case) to manage the daily operational activities based on pre-determined
4 contractual requirements. A capacity model allows the client (Oncor) to
5 dynamically prioritize activities (operational or enhancement) based on the
6 current needs of the business. HCL expenses for the Test Year were
7 \$18,564,899. HCL also performs incremental development projects for
8 Oncor, the costs of which are capitalized and vary from year to year.

9 Q. WHY DID ONCOR CHANGE TO A CAPACITY MODEL?

10 A. The capacity model promotes faster, more flexible delivery of technology
11 solutions and aligns with industry best practices. The capacity model also
12 provides greater flexibility for scaling up and scaling down resources based
13 on demand.

14 Q. WHY DOES ONCOR EMPLOY IBM AND THIS SERVICE DELIVERY
15 SOLUTION FOR IT AM/D SERVICES?

16 A. IBM is a leader in the technology industry that leverages years of sourcing
17 experience working with other utilities and clients and is capable of
18 facilitating new ideas, innovations, and technical resources as part of
19 Oncor's continuous improvement initiatives to optimize its day-to-day
20 operations. This service delivery solution allows Oncor to adjust resources
21 as needed to keep costs at a reasonable level and to continue to receive the
22 services necessary to meet its requirements, many of which change over
23 time. The contract with IBM provides for flexibility with regards to service
24 scope and quantity so if there are changes required by Oncor, IBM is
25 contractually responsible for fulfilling those changing needs. The service
26 delivery solution for IT AM/D services also includes the necessary Oncor
27 governance and oversight regarding the work performed by IBM and
28 ensures that the work is consistent with Oncor's technology strategy. Oncor
29 also transitioned to a capacity model for the IBM contract in April 2022.

1 Q. WHAT ARE THE PRIMARY TERMS OF THE CONTRACT WITH IBM
2 BEYOND WHAT YOU DESCRIBE ABOVE?

3 A. The Company entered into the original contract for IT AM/D services with
4 IBM commencing November 1, 2009. The initial five-year term of the
5 contract was extended through various contract amendments, the latest of
6 which was effective April 1, 2022, for a three-year term with two one-year
7 extension options. In the most recent amendment, Oncor and IBM agreed
8 to a capacity model, allowing Oncor to dynamically prioritize activities
9 (operational or enhancement) based on the current needs of the business.
10 Expenses associated with the IBM contract were \$15,556,235 during the
11 Test Year. IBM also performs incremental development projects for Oncor,
12 the costs of which are capitalized and vary from year to year.

13 Q. WHAT PERFORMANCE GUARANTEES DOES ONCOR INCLUDE IN
14 THIRD PARTY AGREEMENTS FOR IT SERVICES?

15 A. For major outsourcing agreements, including the HCL and IBM agreements,
16 Oncor has Service Level Agreements ("SLAs") that measure the quality and
17 timeliness of key processes performed by the service providers. The SLAs
18 align with end-to-end processes that drive technology operations. Service
19 level results are calculated, documented, and formally reported to Oncor
20 monthly for review and approval. The service providers are required to
21 conduct a timely root cause analysis, develop and implement a remediation
22 plan, and pay a financial penalty in the form of service credits for any missed
23 critical service levels. The Technology group's governance team requires
24 the service providers to discuss the results, root cause, and remediation in
25 a monthly governance meeting with key Oncor technology operations
26 stakeholders. If there are systematic misses of critical service levels, Oncor
27 has the right to terminate the outsourcing agreement and seek an alternate
28 solution without penalty. Additionally, Oncor has the right to replace or
29 remove any non-performing outsourcing personnel. HCL and IBM have

1 consistently provided quality service per the terms of the respective
2 agreements.

3 Q. IS ONCOR PROPOSING ANY KNOWN AND MEASURABLE CHANGES
4 TO THE COST OF SERVICE ASSOCIATED WITH THE HCL
5 AGREEMENT?

6 A. Yes, the cost of service is making an upward cost of living adjustment
7 ("COLA") in the amount of \$397,350. In addition, Oncor is making an upward
8 adjustment of \$483,644 to account for increased resources under the HCL
9 contract. Oncor is also making a downward adjustment of \$658,746 to
10 account for expenses associated with certain capital retirements described
11 in the direct testimony of Company witness Ms. Hodges. The net known and
12 measurable change associated with HCL services results in an increase of
13 \$222,248 to the unadjusted Test Year cost of service. I have provided these
14 adjustments to Oncor witness Mr. Ledbetter for inclusion in the cost of
15 service.

16 Q. IS ONCOR PROPOSING ANY KNOWN AND MEASURABLE CHANGES
17 TO THE COST OF SERVICE ASSOCIATED WITH THE IBM
18 AGREEMENT?

19 A. Yes, Oncor is proposing a downward adjustment of \$2,023,129 to reflect the
20 pricing of the new capacity model reflected in the most recent contract
21 amendment with IBM. Oncor is also making a downward adjustment of
22 \$113,629 to account for expenses associated with certain capital retirements
23 described in the direct testimony of Company witness Ms. Hodges. The net
24 known and measurable change associated with IBM services results in a
25 decrease of \$2,136,758 to the unadjusted Test Year cost of service. I have
26 provided this adjustment to Oncor witness Mr. Ledbetter for inclusion in the
27 cost of service.

28 Q. IS ONCOR PROPOSING ADDITIONAL KNOWN AND MEASURABLE
29 CHANGES ASSOCIATED WITH TECHNOLOGY-RELATED O&M?

1 A. Yes, please refer to the direct testimony of Ms. Hodges for additional known
2 and measurable adjustments related to the Technology group and
3 associated services.

4 **B. Customer Engagement**

5 Q. WHAT IS ONCOR'S DELIVERY MODEL FOR CUSTOMER
6 ENGAGEMENT ("CE") SERVICES?

7 A. Oncor's contact center operations (the largest expense driver in the CE area)
8 are outsourced to GC Services. GC Services provides customer care agents
9 to answer and respond to customer calls, emails, and social media inquiries.
10 These customer care agents also facilitate coordinating with cities for
11 premise inspection requirements, process critical care and chronic care
12 applications and perform outbound calling as needed. Other CE
13 responsibilities, such as quality monitoring, process reviews, service level
14 and performance oversight, development of training materials, and agent
15 platform enhancements are performed by Oncor employees. Oncor
16 selected GC Services as the contact center provider in April 2016.

17 Q. WHY DOES ONCOR EMPLOY THIS SERVICE DELIVERY SOLUTION
18 FOR CE SERVICES?

19 A. This service delivery solution is employed to complement Oncor's workforce,
20 to maintain costs at a reasonable level, and to meet its Texas market
21 requirements. Oncor also is able to leverage the knowledge, benefits, and
22 best practices realized from a call center service provider that supports other
23 large scale utility providers and can optimally scale its resources as required
24 by the Company.

25 Q. WHY WAS GC SERVICES SELECTED TO PROVIDE CONTACT CENTER
26 SERVICES?

27 A. In anticipation of the contract expiration with a different vendor, Oncor
28 conducted a request for proposal ("RFP") in the latter half of 2015 to
29 understand the current market for contact center outsourcing. After an
30 extensive and competitive process, Oncor selected GC Services because it

1 was found to be a highly qualified service provider for the services and was
2 the best positioned service provider to meet Oncor's desired objectives.

3 Q. WHAT ARE THE PRIMARY TERMS OF THE CONTRACT WITH GC
4 SERVICES?

5 A. The Company originally entered into a three-year contract with GC Services
6 effective April 1, 2016. The agreement also contained an option to extend
7 the term, in whole or in part, for two renewal periods of up to twelve months
8 each, which were both exercised. Oncor entered into an amendment with
9 GC Services effective April 1, 2021, with a three-year term. This amendment
10 allows for Oncor to have more resource flexibility with rates remaining stable
11 for the remaining term of the contract. GC Services expenses for the Test
12 Year were \$8,090,560.

13 Q. WHAT PERFORMANCE GUARANTEES DOES ONCOR HAVE IN ITS
14 AGREEMENT WITH GC SERVICES?

15 A. Oncor established (and currently governs) SLAs for GC Services similar to
16 those that I described in my testimony for IT services. GC Services has
17 consistently delivered services per the agreement.

18 Q. IS ONCOR PROPOSING ANY KNOWN AND MEASURABLE CHANGES
19 TO THE COST OF SERVICE ITEMS ASSOCIATED WITH THE CE
20 FUNCTIONAL SERVICE AREA?

21 A. Yes, we are proposing an upward adjustment to reflect a contractual pricing
22 change of \$148,091 and proposing an upward adjustment of \$4,868 to
23 reflect normalized pricing after a one-time, storm-related credit was issued
24 in the Test Year. I have provided these adjustments to Oncor witness Mr.
25 Ledbetter for inclusion in the cost of service.

1 **C. Supply Chain**

2 Q. WHAT IS ONCOR'S DELIVERY MODEL FOR SUPPLY CHAIN ("SC")
3 SERVICES?

4 A. Oncor employs a service delivery model for SC services that includes use of
5 an outside vendor for transactional services (CGA), local purchasing agents,
6 and internal staff.

7 Q. WHY DOES ONCOR EMPLOY THIS SERVICE DELIVERY SOLUTION
8 FOR SC SERVICES?

9 A. By using this approach, Oncor benefits from the SC experience of its internal
10 staff and from the knowledge and support of a third-party service provider.
11 CGA provides supply chain services and accounts payable services using a
12 streamlined and scalable approach. Oncor employees are responsible for all
13 strategic procurement activities, including contracts, pricing, material data
14 management, vendor negotiation, requests for proposal ("RFPs"), internal
15 cross-functional procurement support and purchasing. This approach allows
16 Oncor employees to handle increasingly more complex, strategic, and long-
17 term value work. By relying on third-party staffing support solely dedicated
18 to Oncor, the experience and knowledge of these individuals and control
19 over the processes are captured. The Company also captures the
20 efficiencies derived from the third-party staffing support provided by CGA for
21 tactical, manual repeatable transactions and processes, typically, more
22 commoditized work.

23 Q. WHY DOES ONCOR ENGAGE CGA TO PROVIDE SC SERVICES?

24 A. Oncor examined different service solution options for receiving SC services.
25 Through that process, Oncor determined the best way to provide these
26 services was with the split in responsibilities described above. To maintain
27 the coordination and value developed by CGA in a former service agreement
28 with EFH Corp. on behalf of Oncor and its affiliates, the Company executed
29 a new provider contract with CGA. This support captures transactional tools
30 and certain efficiencies developed by CGA in the prior service delivery

- 1 relationship and maintains the coordination of these services with other
2 services provided internally and externally.
- 3 Q. WHAT ARE THE PRIMARY TERMS OF THE SC SERVICES CONTRACT
4 WITH CGA?
- 5 A. The Company initially entered into a 36-month contract with CGA
6 commencing August 1, 2015. Following multiple amendments, the latest of
7 which was dated June 20, 2020, the contract is now set to expire on July 31,
8 2025. CGA expenses for the Test Year associated with SC services were
9 \$102,016. CGA charges are also included in accounts related to stores and
10 capital.
- 11 Q. IS ONCOR PROPOSING ANY KNOWN AND MEASURABLE CHANGES
12 TO THE COST OF SERVICE ASSOCIATED WITH THE CGA AGREEMENT
13 RELATED TO SC SERVICES?
- 14 A. No.
- 15 **D. Finance & Accounting**
- 16 Q. WHAT IS ONCOR'S DELIVERY MODEL FOR FINANCE AND
17 ACCOUNTING ("F&A") SERVICES?
- 18 A. Oncor utilizes a service delivery model that includes use of an outside vendor
19 (CGA for transactional services) and Oncor employees experienced in
20 property accounting.
- 21 Q. WHY DOES ONCOR EMPLOY THIS SERVICE DELIVERY SOLUTION
22 FOR F&A SERVICES?
- 23 A. By providing the property accounting responsibilities through Company
24 resources, Oncor establishes more control and visibility into this work effort,
25 captures the experience and knowledge of these individuals, and obtains
26 control over the processes. In addition, the Company captures the
27 efficiencies derived from staff experienced in working with the Oncor tools
28 and the third-party staffing support provided by CGA.
- 29 Q. WHY IS CGA USED TO PROVIDE F&A SERVICES?

1 A. Oncor has examined different service solution options for F&A services, but
2 determined the best way to provide these services was with the split in
3 responsibilities described above. To maintain this coordination and the
4 value developed by CGA, CGA was retained. The support provided by CGA
5 captures transactional tools and services developed over time and maintains
6 the coordination of these services and the services provided internally.

7 Q. WHAT ARE THE PRIMARY TERMS OF THE F&A SERVICES CONTRACT
8 WITH CGA?

9 A. The Company initially entered into a 36-month contract with CGA
10 commencing August 1, 2015. Following multiple amendments, the latest of
11 which was dated June 20, 2020, the contract is now set to expire on July 31,
12 2025. CGA expenses for the Test Year associated with F&A services were
13 \$1,392,405. CGA also performs incremental projects for Oncor, the costs of
14 which are capitalized and vary from year to year.

15 Q. IS ONCOR PROPOSING ANY KNOWN AND MEASURABLE CHANGES
16 TO THE COST OF SERVICE ASSOCIATED WITH THE CGA AGREEMENT
17 RELATED TO F&A SERVICES?

18 A. No.

19 **E. Human Resources**

20 Q. WHAT IS ONCOR'S DELIVERY MODEL FOR HUMAN RESOURCES
21 ("HR") SERVICES?

22 A. Oncor's HR service delivery model includes services, such as benefits
23 maintenance administration and payroll, provided by certain outside
24 providers, and an internal staff that develops policy and strategy, and
25 governs those outside providers as well as performs other HR-related
26 activities for the Company.

27 Q. WHY DOES ONCOR EMPLOY THIS SERVICE DELIVERY SOLUTION
28 FOR HR SERVICES?

29 A. Oncor chose this service delivery solution to capture existing efficiencies and
30 provide the Company with greater oversight of a number of activities. The

1 Oncor HR team is responsible for strategy, design, and delivery of all the HR
2 functions. Administration of a number of transactional processes (such as
3 payroll, time and attendance, and benefits administration) and HR
4 systems/tools (such as HR information system and applicant tracking
5 system) are performed by the Oncor team and outsourced third-party
6 vendors, currently, Ultimate, Businessolver, Fidelity MTC, and Fidelity WS.
7 This outsourcing relationship allows for Oncor access to management
8 platforms making benefits and payroll information, as well as learning
9 opportunities, easily available to employees.

10 Q. WHY WERE ULTIMATE AND BUSINESSOLVER SELECTED TO
11 PROVIDE HR SERVICES?

12 A. At the conclusion of the term of the service agreement with its previous
13 service provider, Oncor issued a RFP in 2018 to gauge the market. After
14 Oncor evaluated multiple potential vendors and conducted extensive due
15 diligence, Ultimate was selected to provide certain HR services such as
16 payroll administration. Businessolver was selected to provide retiree health
17 and welfare administration services, including: (1) enrollment and eligibility
18 services; (2) billing and financial reporting; (3) retiree COBRA administration;
19 and (4) service center services. Both Ultimate and Businessolver were
20 selected because they satisfied the Company's requirements, owned and
21 operated HR information systems with state-of-the-art design and
22 functionality, offered a fair and reasonable price and terms for their solutions
23 and services, provided high quality services to other customers, and they
24 committed to deliver quality services to Oncor.

25 Q. IS ULTIMATE AN AFFILIATE OF THE COMPANY?

26 A. Yes, but the Company was not aware of its affiliation until after the RFP was
27 issued, Ultimate had been awarded the contractual scope, and the
28 agreement had been negotiated at arm's-length. Please see the direct
29 testimony of Mr. Grable for additional discussion of the affiliate transaction

1 with Ultimate. Please see the direct testimony of Oncor witness Mr. Smith
2 for additional discussion of the RFP process.

3 Q. WHAT ARE THE PRIMARY TERMS OF THE CONTRACT WITH
4 ULTIMATE?

5 A. The Company entered into a 36-month contract with Ultimate dated May 6,
6 2019. Services commenced under the Ultimate agreement on July 1, 2020.
7 Ultimate expenses for the Test Year were \$2,896,972.

8 Q. WHAT ARE THE PRIMARY TERMS OF THE CONTRACT WITH
9 BUSINESSOLVER?

10 A. The Company entered into a 36-month contract with Businessolver dated
11 July 29, 2019. Services commenced under the Businessolver agreement on
12 October 1, 2019. In February 2022, Oncor extended its agreement with
13 Businessolver for 36 months, with service under that amendment to
14 commence on March 1, 2022. Businessolver expenses for the Test Year
15 were \$810,092.

16 Q. WHY WERE FIDELITY MTC AND FIDELITY WS (COLLECTIVELY,
17 "FIDELITY") SELECTED TO PROVIDE HR SERVICES?

18 A. Fidelity was selected because its capabilities and services, including
19 investment capabilities, and fees aligned with our objectives to provide
20 quality service and recordkeeping services. Fidelity provides services such
21 as 401k and retirement administration.

22 Q. WHAT ARE THE PRIMARY TERMS OF THE CONTRACTS WITH
23 FIDELITY?

24 A. The Company receives defined benefits and defined contribution services
25 under the agreements, which were effective January 2015 and April 2015,
26 for respective 60-month terms. In April 2020, Oncor extended its
27 agreements with Fidelity for a new 60-month term concluding March 31,
28 2025. Fidelity MTC and Fidelity WS expenses for the Test Year were
29 \$575,243.

1 Q. IS ONCOR MAKING ANY KNOWN AND MEASUREABLE ADJUSTMENTS
2 TO THE COST OF SERVICE ASSOCIATED WITH THE HR AGREEMENTS
3 DESCRIBED ABOVE?

4 A. Yes. Oncor is proposing a downward adjustment in the amount of \$58,500
5 to account for prepaid expenses associated with the Businessolver contract.
6 Oncor is also proposing a downward adjustment in the amount of \$382,923
7 to account for prepaid expenses associated with the Ultimate contract.
8 Additionally, Oncor is proposing a downward adjustment in the amount of
9 \$65,250 to account for a reduction in administrative fees associated with the
10 Fidelity MTC agreement. I have provided these adjustments to Oncor
11 witness Mr. Ledbetter for inclusion in the cost of service.

12 **F. Reasonableness and Necessity of Test Year Expenses**

13 Q. WERE THE ACTUAL COSTS IN THE TEST YEAR COST OF SERVICE
14 ASSOCIATED WITH THE SERVICES DESCRIBED ABOVE NECESSARY?

15 A. Yes. The services provided are necessary to the on-going safe and reliable
16 operation of a large transmission and distribution utility such as Oncor.

17 Q. WERE THE UNADJUSTED COSTS IN THE TEST YEAR COST OF
18 SERVICE ASSOCIATED WITH THE SERVICES DESCRIBED ABOVE
19 REASONABLE?

20 A. Yes. The costs associated with the services provided under the various
21 agreements were reasonable. The costs are reflective of arm's-length
22 service agreements with third-parties. Certain costs also result from RFPs
23 issued by the Company, which reflect Oncor's on-going efforts to examine
24 its operational needs and provide itself with additional flexibility, cost control,
25 and oversight as to the necessary services being provided.

26 Q. ARE ONCOR'S TEST YEAR COSTS ASSOCIATED WITH THE SERVICES
27 DISCUSSED IN YOUR TESTIMONY REFLECTIVE OF EXPECTED
28 COSTS ON A PROSPECTIVE BASIS?

29 A. Yes, with the adjustments discussed above. The Test Year cost of service,
30 as adjusted, reflects costs associated with the current service delivery

1 solutions, represent Oncor's on-going costs, and are reasonable and
2 necessary.

3 Please refer to the direct testimony of Company witness Mr. Smith for
4 additional discussion of the reasonableness of Oncor's proposed known and
5 measurable changes to the Test Year cost of service.

6 **VII. SUMMARY AND CONCLUSION**

7 Q. WHAT ARE YOUR CONCLUSIONS WITH REGARD TO YOUR DIRECT
8 TESTIMONY?

9 A. My conclusions are as follows:

- 10 • The investments in technology described in my testimony were
11 prudent and are used and useful in providing service to the public.
- 12 • The costs associated with the IT services received by Oncor and
13 described in my direct testimony are reasonable and necessary to the
14 ongoing safe and reliable operation of a large transmission and
15 distribution utility such as Oncor.
- 16 • The technology investments and ongoing O&M expenses described
17 in my testimony are necessary to ensure the efficient and effective
18 use of modern technology systems that enable Oncor to safely and
19 reliably deliver data and electricity to its customers.
- 20 • The costs associated with the services provided under the various
21 agreements I describe in my testimony are reasonable and
22 necessary. The costs are reflective of arm's-length service
23 agreements with third-parties that allow for work to be performed by
24 low cost resources that provide flexibility and scalability. Certain
25 costs also result from RFPs issued by the Company, which reflect
26 Oncor's ongoing efforts to examine its operational needs and provide
27 itself with additional flexibility, cost control, and oversight as to the
28 necessary services being provided.
- 29 • The proposed known and measurable adjustments to Oncor's Test
30 Year cost of service described in my testimony are reasonable and

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1 necessary. Those adjustments capture the expected expense levels
2 that will be realized by the Company on a go-forward basis. The
3 adjustments eliminate Test Year costs that will not be recurring
4 expenses.

5 • The costs in the Test Year (as adjusted) associated with the current
6 service delivery solutions represent Oncor's ongoing costs and are
7 reasonable and necessary.

8 Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?

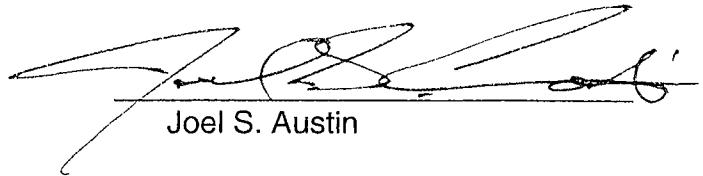
9 A. Yes, it does.

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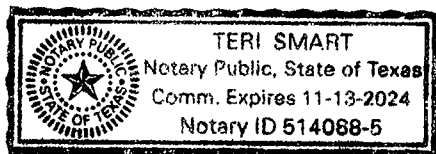
STATE OF TEXAS §
 §
COUNTY OF DALLAS §

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

My name is Joel S. Austin. I am of legal age and a resident of the State of Texas. The foregoing direct testimony and attached exhibit offered by me is true and correct, and the opinions stated therein are, to the best of my knowledge and belief, accurate, true and correct.


Joel S. Austin

SUBSCRIBED AND SWORN TO BEFORE ME by the said Joel S. Austin this 2nd day of May, 2022.




Notary Public, State of Texas

Description of Outsourced Services

Information Technology (IT): IT services related to computer and computer-related activities, as well as communications equipment and functions. These services include, but are not limited to: managing all aspects of software applications, including hosting, maintenance, planning, development, upgrades, installation, training, security, and similar activities; responsibility for the support of all data centers, application servers and end user computers, including the internet and the intranet, operations management, server administration, production control, performance monitoring, capacity planning and management, and technical support; the maintenance of internal telecom and data networks, and database management support; providing a variety of general IT services, including incident management, problem management, change management, help desk operations and support, call management, problem analysis, capacity planning, execution of disaster recovery, backup systems and equipment, and asset management; and support for certain aspects of microwave, fiber optic, wireless mesh transport networks and two-way communications radio systems, including all licensing required by the Federal Communications Commission.

Customer Engagement: Customer Engagement services include performing support functions for competitive retailers and end-use customers, city, municipal and state governments, and Oncor's business activities and initiatives. Customer Engagement services also include internal and technical support, services such as in-bound telephone calls answered by both agent and automation, e-mail, social media care, IVR usage, text messaging processes and templates, storm map, and management of city inspections and general management responsibility for the Customer Contact Center.

Supply Chain: Supply Chain services related to procurement and procurement-related services, including implementing policies and strategies; standardizing supply chain processes and procedures; providing feedback and reports on procurement activities, accounts payable functions, invoice processing, payment processing, procurement and travel card administration, accounting and statutory reporting, document archiving and retrieval, and administration, policy, audit, and technical support.

Finance & Accounting (F&A): F&A services related to the performance of various functions relating to: property accounting, which includes the recording of the additions, and retirement of Oncor's physical plant; accounts payable which includes invoice processing, maintain vendor master files, 1099 and escheat reporting; corporate accounting, which includes compensation and benefits accounting, the performance of account reconciliation for special various accounts and inter-divisional accounting, balance sheet reviews, and maintenance of general ledgers; general and revenue accounting, including functions such as collection efforts, write-off of receivables and apply cash for miscellaneous receivables; and financial systems support, including security administration, allocation design and support, standard production support, statistical interface development and management, implementation and upgrades, user training, and administration

Human Resources (HR): HR services include those categories of services related to employees and employee benefits. These services include, but are not limited to: administration of all aspects of the compensation and benefits programs, health and welfare processing and annual open enrollment, claims processing, retirement and savings plan administration, workers' compensation plan administration, and relocation; services relating to payroll, including employee file setup and maintenance, time and attendance, characterization and application of rates, payroll calculation, payroll disbursement, labor distribution and payroll accounting, inquiry/problem resolution, and payroll reporting/document management; and legal compliance, including benefits administration, affirmative action/equal employment opportunities, investigations, and statutory reporting and compliance.

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
WORKPAPERS FOR
THE DIRECT TESTIMONY OF
JOEL S. AUSTIN**

In accordance with RFP General Instruction No. 12(c), below is a list of the file(s) that are being provided electronically:

Testimony Workpapers/Austin

Austin Direct – WP.xlsx

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
KNOWN & MEASURABLE ADJUSTMENT WORKPAPER SUMMARY - TMC OUTSOURCED
FOR THE TEST YEAR ENDED DECEMBER 31, 2021
SPONSORING WITNESS: JOEL S. AUSTIN

Item Name	Item Description	2021 Test Year Amount	Known & Measurable Adjustment Amount	Adjusted 2021 Test Year Amount
Information Technology	Reduced due to year-end assets adjustment - HCL	\$ 18,564,899	\$ (658,746)	\$ 17,906,153
Information Technology	Added COLA (Jan - Sep) and reduced COLA (Oct - Dec) - HCL		\$ 397,350	\$ 397,350
Information Technology	Added new resources - HCL		\$ 483,644	\$ 483,644
	Total HCL	\$ 18,564,899	\$ 222,248	\$ 18,787,147
Information Technology	Reduced new capacity agreement - IBM	\$ 15,556,235	\$ (2,023,129)	\$ 13,533,106
Information Technology	Reduced due to year-end assets adjustment - IBM		\$ (113,629)	\$ (113,629)
	Total IBM	\$ 15,556,235	\$ (2,136,758)	\$ 13,419,477
	Total Information Technology	\$ 34,121,134	\$ (1,914,510)	\$ 32,206,624
Customer Engagement	Added new rates Amendment 3 - GC Services (Jan - Mar)	\$ 8,095,428	\$ 148,091	\$ 8,243,519
Customer Engagement	Removed Storm Credit - GC Services	\$ (4,868)	\$ 4,868	\$ -
	Total Customer Engagement	\$ 8,090,560	\$ 152,959	\$ 8,243,519
Human Resources	Removed prepaid expense for Jan/Feb '22 vouchers - Ultimate	\$ 2,896,972	\$ (382,923)	\$ 2,514,049
	Total - Ultimate	\$ 2,896,972	\$ (382,923)	\$ 2,514,049
Human Resources	Removed out of period expense for Dec '20 voucher - Businessolver	\$ 810,092	\$ (58,500)	\$ 751,592
	Total - Businessolver	\$ 810,092	\$ (58,500)	\$ 751,592
Human Resources	Reduced new rates Amendment 6 - Fidelity MTC (Jan - Dec)	\$ 333,452	\$ (65,250)	\$ 268,202
Human Resources	Fidelity WS	\$ 241,791	\$ -	\$ 241,791
	Total - Fidelity MTC	\$ 575,243	\$ (65,250)	\$ 509,993
	Total Human Resources	\$ 4,282,307	\$ (506,673)	\$ 3,775,634

**INDEX TO THE DIRECT TESTIMONY
OF MALIA A. HODGES, WITNESS FOR
ONCOR ELECTRIC DELIVERY COMPANY LLC**

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EXHIBITS

EXHIBIT MAH-1	Description of Five-Step Project Lifecycle
EXHIBIT MAH-2	Summaries of the Associated Processes, Goals, and Benefits of the Major Technology-Related Capital Investments

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1 **DIRECT TESTIMONY OF MALIA A. HODGES**

2 **I. POSITION AND QUALIFICATIONS**

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

5 A. My name is Malia A. Hodges. My business address is 1616 Woodall
6 Rodgers Freeway, Dallas, Texas 75202. I am currently Senior Vice
7 President and Chief Information Officer ("CIO") for Oncor Electric Delivery
8 Company LLC ("Oncor" or "Company").

9 Q. WHAT ARE YOUR RESPONSIBILITIES IN YOUR CURRENT POSITION?

10 A. In my current role as Senior Vice President and CIO, I am responsible for
11 technology development, technology operations, telecommunications and
12 network infrastructure, and cybersecurity operations. I am also a member
13 of Oncor's Senior Leadership Team.

14 Q. PLEASE DESCRIBE AND SUMMARIZE YOUR EDUCATIONAL
15 BACKGROUND AND BUSINESS EXPERIENCE.

16 A. I received a Bachelor of Business Administration from the University of
17 Oklahoma in 1999. I have more than 23 years of experience in the utility
18 industry. I have served as Senior Vice President since February 2020 and
19 as Chief Information Officer since March 2018. From January 2014 to
20 March 2018, I served as Director, Technology Program Management Office
21 and in such role was responsible for the strategic execution of Oncor's
22 information technology ("IT") investment portfolio and organizational
23 change management activities. Prior to joining Oncor in 2014, I worked at
24 management consultant companies and with TXU Energy. In these roles, I
25 advised clients, including Oncor, on the implementation of various strategic
26 technology and customer engagement initiatives. During my time at TXU
27 Energy, I was a team member of the IT function, which performed
28 development and operational activities. I have experience in technology,

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1 management consulting, organizational design and change management,
2 global delivery management, business process design, and operations.

3 Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE PUBLIC UTILITY
4 COMMISSION OF TEXAS ("COMMISSION") OR OTHER REGULATORY
5 AUTHORITIES IN TEXAS?

6 A. No, I have not.

7 **II. PURPOSE OF DIRECT TESTIMONY**

8 Q. PLEASE DESCRIBE THE PURPOSE OF YOUR DIRECT TESTIMONY.

9 A. The purpose of my direct testimony is to: (1) provide an overview of the
10 purpose and functions of Oncor's Technology group (within the Technology,
11 Measurement & Billing, and Customer Engagement organization described
12 in the direct testimony of Company witness Mr. Joel S. Austin); (2) describe
13 the processes the Technology group follows to evaluate potential
14 technology-related capital projects and to ensure that all capital
15 expenditures incurred are reasonable and prudent; (3) describe the
16 Technology group's investments made after December 31, 2016; (4)
17 discuss retirements of Technology assets; and (5) describe the
18 reasonableness and necessity of the Technology group's test-year
19 operations and maintenance ("O&M") costs, as adjusted for known and
20 measurable changes.

21 Q. WHY IS IT IMPORTANT THAT ONCOR BE PERMITTED TO RECOVER
22 THE TECHNOLOGY GROUP'S O&M EXPENSES?

23 A. As described later in my testimony, the Technology group incurs O&M costs
24 for labor-related items, materials and supplies, contract labor, telecom
25 circuit costs, hardware and software maintenance, and professional
26 services. If Oncor is denied recovery of these O&M costs, then the lack of
27 revenue to offset these costs could constrain the Company's ability to make
28 expenditures necessary for the reliable and safe operation of its facilities

1 and assets. The Company's ability to effectively communicate and interface
2 with customers could also be negatively impacted.

3 Q. WHY IS IT IMPORTANT THAT ONCOR BE PERMITTED TO RECOVER
4 ITS CAPITAL INVESTMENT IN THE TECHNOLOGY-RELATED
5 PROJECTS AND ASSETS DISCUSSED IN YOUR TESTIMONY?

6 A. The Company's capital investments in the technology-related projects,
7 assets, and applications discussed in my testimony are essential to the
8 Company's ability to continue operating as a prudent utility that provides
9 safe, reliable service to its customers. These investments are necessary
10 for the continual modernization and protection of Technology-related assets
11 and applications.

12 Q. WERE YOUR DIRECT TESTIMONY AND EXHIBITS PREPARED BY YOU
13 OR UNDER YOUR DIRECT SUPERVISION?

14 A. Yes. My direct testimony, the attached exhibits, and associated workpapers
15 were prepared by me or under my direction, supervision, or control and are,
16 to the best of my knowledge and belief, true and correct. I will address each
17 topic in the same order reflected in the above listing.

18 **III. OVERVIEW OF ONCOR'S TECHNOLOGY GROUP**

19 Q. PLEASE DESCRIBE THE TECHNOLOGY GROUP'S ORGANIZATIONAL
20 STRUCTURE.

21 A. The Technology group's work focuses on nine key concepts and
22 capabilities: (1) strategy and architecture; (2) technology program
23 management office; (3) financial governance and digital performance; (4)
24 advanced analytics, automation, artificial intelligence, and data
25 management; (5) customer and workforce enablement; (6) smart grid
26 communications and controls; (7) distribution and transmission; (8)
27 cybersecurity; and (9) digital grid management. Each of these nine
28 capabilities is overseen by a capability owner who is responsible for

1 managing, in a cost-effective manner, a group of Oncor employees and
2 contractors who work together to complete their respective initiatives.

3 Q. WHAT IS THE RESPONSIBILITY OF THE TECHNOLOGY GROUP
4 WITHIN ONCOR?

5 A. The Technology group is responsible for the construction, development,
6 maintenance, use, operations, compliance, and governance of information
7 and communications technology in coordination with the transmission and
8 distribution ("T&D") business units to positively impact Oncor's safe and
9 reliable electric T&D delivery service and customer experience. It is
10 responsible for developing the Company's technology strategy and
11 cybersecurity efforts and ensuring the Company's information and
12 communications technology comports with industry standards.

13 Q. HOW DOES THE TECHNOLOGY GROUP FULFILL ITS PURPOSE?

14 A. The Technology group fulfills its purpose in several ways. First, it ensures
15 system reliability and data quality through ongoing maintenance of existing
16 information and communications technology distributed throughout Oncor's
17 service territory. It also analyzes and implements new information and
18 communications technologies that will benefit and improve the productivity
19 of Oncor's business units. It maintains a new state-of-the-art digital control
20 room known as digital grid management ("DGM") to monitor, control, and
21 protect the information and communications technologies. It leverages
22 advanced data analytics to improve customer experience and electric
23 system reliability. It improves the data delivery capabilities of physical
24 infrastructure and communications information delivery capabilities. Finally,
25 it expands cybersecurity protections and controls to manage risk associated
26 with aggressive and increased cyber activities related to both IT and
27 operations technology ("OT").

1 Q. WHAT DO YOU MEAN WHEN YOU USE THE TERM "INFORMATION
2 AND COMMUNICATIONS TECHNOLOGY"?

3 A. When I use the term "information and communications technology," I am
4 broadly referring to three different categories:

- 5 • IT, which includes technology related to work management,
6 workforce enablement, asset management, customer relationship
7 management, human resources, finances, advanced metering, and
8 customer engagement for the processing, monitoring, protection,
9 controls, compliance, and distribution of associated data;
- 10 • OT, which includes Supervisory Control and Data Acquisition
11 ("SCADA") and outage management systems used to monitor and
12 control T&D assets; and
- 13 • communications technology used to transport data between Oncor
14 work centers, substations and SCADA functions, other substation
15 and T&D functions, and third-party entities including, but not limited
16 to, retail electric providers and the Electric Reliability Council of
17 Texas, Inc. ("ERCOT").

18 **IV. OVERVIEW OF TECHNOLOGY GROUP'S PROCESSES TO**
19 **ENSURE INVESTMENTS ARE PRUDENT**

20 Q. WHAT FACTORS DOES THE TECHNOLOGY GROUP TAKE INTO
21 ACCOUNT WHEN CONSIDERING WHETHER TO INVEST IN CAPITAL
22 PROJECTS?

23 A. If the Company finds that there is an operational need for a particular new
24 or enhanced technology-related functionality to allow Oncor to continue
25 operating as a prudent utility providing safe, reliable service to its
26 customers, then the Technology group evaluates a potential capital project
27 to address that need. The Technology group takes into account numerous
28 factors when evaluating a new potential capital project, including whether

1 the potential investment will positively impact and/or align with (1) Oncor's
2 core strategy and vision; (2) Oncor's customer's experience; (3)
3 deregulated Texas market requirements; (4) Oncor's T&D service efficiency
4 and reliability initiatives; (5) regulatory requirements, including ERCOT
5 requirements; (6) technology life cycle; (7) North American Electric
6 Reliability Corporation ("NERC") reliability standard requirements; and (8)
7 industry standards such as those promulgated by the National Institute of
8 Standards and Technology ("NIST"). The Technology group evaluates a
9 potential capital investment based on the extent to which the potential
10 investment will accomplish one or more of the factors listed above.

11 Q. DO THE TECHNOLOGY GROUP'S INVESTMENT FACTORS AND
12 PRIORITIES CHANGE OVER TIME?

13 A. Yes. The factors and priorities considered when evaluating new or
14 enhanced functionality efforts are frequently reviewed and updated by the
15 Technology Group as necessary to support both short-term and long-term
16 initiatives. In several cases, the long-term initiatives are multi-year efforts
17 required to establish a modern technology framework or platform to mitigate
18 risk associated with technology obsolescence or potential challenges in
19 support of new functionality requirements.

20 Q. WHAT PROCESSES DOES THE TECHNOLOGY GROUP USE TO
21 ENSURE INVESTMENTS ARE MADE PRUDENTLY?

22 A. The Technology group focuses on the quality of investments and, to that
23 end, applies a routine five-step project lifecycle to effectively deliver new or
24 enhanced solutions and ensure prudent investments. The emphasis on
25 quality extends to overall governance and management as well as test
26 management, defect management, organization, reporting, metrics, code or
27 development technologies, and patching/security.

1 The project lifecycle I reference above refers to a standard overall
2 process that the Technology group uses to manage a technology-related
3 project and the associated roles, activities, and work products required from
4 inception to completion. The five steps of this process include:

- 5 (1) project origination;
- 6 (2) project demand planning;
- 7 (3) project readiness;
- 8 (4) project execution; and
- 9 (5) project closure.

10 These steps are shown in Exhibit MAH-1 to my testimony. In addition
11 to these steps, project demand planning reassessments may occur if and
12 when special circumstances arise that necessitate additional evaluation. I
13 will discuss each of these steps in more detail below.

14 Q. HAVE THESE PROCESSES MATURED OVER THE YEARS?

15 A. Yes. Since 2009, the Technology group has been responsible for the
16 disentanglement, transformation, modernization, governance,
17 maintenance, and operations of data centers, information technology,
18 telecommunications, processes, and resources previously maintained and
19 operated by a managed service provider for Oncor's former majority owner,
20 Energy Future Holdings Corp. This significant effort, also known as the
21 "Technology Modernization Program" discussed in Company witness Mr.
22 Austin's testimony, is based on a continuous improvement philosophy that
23 has evolved and matured. While we have made great strides in our overall
24 processes, they continue to evolve based on industry-related changes in
25 technology, proactive improvement initiatives, experience gained from
26 operating the assets and undertaking the activities discussed above, and
27 significant changes related to digital security risk mitigation efforts

1 associated with data, cybersecurity, reputation, talent requirements,
2 privacy, third parties, technology, compliance and artificial intelligence.

3 Q. DID ONCOR UTILIZE THE FIVE PROJECT LIFECYCLE STEPS IN
4 ORDER TO ENSURE THE PRUDENCE OF EACH OF THE
5 TECHNOLOGY INVESTMENTS DISCUSSED LATER IN YOUR DIRECT
6 TESTIMONY THAT WERE PLACED IN SERVICE?

7 A. Yes, Oncor used each of the five steps for each of the investments
8 discussed later in my testimony that were placed in service, and when
9 special or unforeseen circumstances arose for any project, Oncor also used
10 the project demand planning reassessment process for that particular
11 project. There have also been other investments that the Technology group
12 began considering using these project lifecycle steps but that were later
13 cancelled based on negative findings during earlier lifecycle steps.

14 Q. WHAT TYPES OF CONTROLS DOES THE TECHNOLOGY GROUP
15 UTILIZE?

16 A. The general controls utilized by the Technology group include cost, vendor
17 management, cybersecurity, data protection, quality assurance and risk
18 management controls. These controls will be discussed further throughout
19 my testimony, and several of these controls are also discussed in Mr.
20 Austin's direct testimony.

21 Q. PLEASE PROVIDE MORE DETAIL ON THE GENERAL COST
22 CONTROLS UTILIZED BY THE TECHNOLOGY GROUP.

23 A. Consistent with the cost controls described in the direct testimony of Mr.
24 Austin, the Technology group develops a budget through an annual review
25 process. The Program Management Office ("PMO") and the financial
26 governance group, along with the management team, review monthly
27 charges and investigate any material variances from the approved budget.
28 Permanent variances are reflected in revised budget projections, and

1 actions are taken to reduce costs where possible to stay in line with
2 approved budget targets. The PMO and financial governance departments
3 within the Technology group are responsible for ensuring that the focus on
4 quality and the five-step project lifecycle discussed above are applied each
5 time the Technology group considers a potential capital investment.

6 Q. WHAT IS THE PROJECT ORIGINATION PROCESS?

7 A. The project origination process is the first stage of the project lifecycle and
8 includes identifying: a specific need or idea for a project; the business
9 justification, opportunities, and potential benefits of the project; high-level
10 estimates for the project's scope, costs, timeline, and resources; and the
11 functional stakeholders, goals, and objectives for the project. The
12 stakeholders for a project include the subject matter experts ("SMEs") from
13 the Oncor business unit responsible for the particular project's functional
14 requirements, representatives from the various departments within the
15 Technology group, Oncor's internal audit department, and—as needed—
16 Oncor's regulatory and legal departments. The work products developed
17 during the project origination process are used for further evaluation and
18 prioritization during the project demand planning process, discussed below.

19 Q. WHAT IS THE PROJECT DEMAND PLANNING PROCESS?

20 A. Assuming a project satisfies the analysis conducted under the initial stage
21 of project origination, the project is then evaluated, prioritized, and funded
22 during the project demand planning process. Specifically, during this
23 process, stakeholders are engaged for an enterprise architectural review,
24 planning sessions, a financial governance review, a quality and
25 methodology strategy review, a commercial governance review, an
26 infrastructure capacity review, and a software license and capacity (asset
27 management) review. A transaction decision paper or project charter may
28 be prepared during this process, if applicable. The work products

1 developed during the project demand planning process will be used to
2 support the project execution process, discussed later in my testimony.

3 Q. WHAT IS THE PROJECT READINESS PROCESS?

4 A. Assuming the demand planning process is completed for a project, the
5 project is prepared for kickoff during the project readiness process. The
6 project readiness process may include any of the following activities for a
7 particular project: completing a size and risk assessment; developing a
8 project management plan that details the project's scope, budget, project
9 team, stakeholders, risk management plan, and procurement plan;
10 determining methodology, work products, and governance; completing a
11 security review; updating project financial estimates; finalizing statements
12 of work with vendors; finalizing software/hardware needs; developing
13 project kickoff materials; and developing an operational change
14 management and training plan. The work products prepared during this
15 process are used during the project execution phase to ensure proper
16 development and implementation of the project.

17 Q. WHAT IS THE TECHNOLOGY PROJECT EXECUTION PROCESS?

18 A. If the Company continues to consider a particular project as a viable project
19 following the project readiness process, then the project execution process
20 builds upon the initial work products developed during the earlier lifecycle
21 steps and involves: the project team's project manager presenting the
22 proposed solution when required to a solution review board comprised of
23 key Technology group stakeholders, with the primary objective of providing
24 an overview of the project to obtain technology-related approvals and
25 feedback; executing the project plan; executing the implementation plans;
26 building, testing, and deploying the project; managing the schedule, scope,
27 resources, budget, and risk; completing a final security checklist; integrating
28 the technology with the Technology group's system monitoring processes;