

**Using Average Life Group Depreciation
As of December 31, 2021**

Account	Description	Plant Balance 12/31/2021	Allocated Reserve 12/31/2021	Theoretical Reserve 12/31/2021	Reserve Difference	Remaining Life	Assets to Retire > ASL
3910	Office Furniture & Improvement	734,480.79	352,129.66	352,129.66	0.00	9.28	69,019.38
3930	Stores Equipment	3,429.39	372.76	372.76	0.00	20.50	0.00
3940	Tools, Shop, and Garage Equipment	1,548,210.91	665,834.16	665,834.16	0.00	9.05	100,903.42
3950	Laboratory Equipment				0.00		
3970	Communications Equipment	39,368.87	21,940.15	21,940.15	0.00	8.08	0.00
3971	GEN-Comm Eq. Mob Radios				0.00		
3972	GEN-Comm Eq. Fixed Radios	13,453.05	9,195.58	9,195.58	0.00	6.06	0.00
3973	GEN-Comm Eq. Telemetry				0.00		
3980	Misc. Equipment	1,286,426.15	601,813.07	601,813.07	0.00	13.64	0.00
3993	OTH-Oth Tang Prop - Network - H/W	10,104.64	7,547.66	7,547.66	0.00	1.02	4,260.12
3994	OTH-Oth Tang Prop - PC Hardware	229,724.62	145,860.34	145,860.34	0.00	2.29	60,974.24

After Retirement of Fully Accrued Assets

Account	Description	Balance 12/31/2021	Allocated Reserve 12/31/2021	Proposed Life	Annual Amortization	Proposed Annual Accrual Rate	Accrual For Reserve Deficiency
3910	Office Furniture & Improvement	665,461.41	283,110.28	18	36,999.65	5.56%	0.00
3930	Stores Equipment	3,429.39	372.76	23	149.18	4.35%	0.00
3940	Tools, Shop, and Garage Equipment	1,447,307.49	564,930.74	16	90,456.72	6.25%	0.00
3950	Laboratory Equipment	0.00	0.00	28	0.00	3.57%	0.00
3970	Communications Equipment	39,368.87	21,940.15	16	2,460.55	6.25%	0.00
3971	GEN-Comm Eq. Mob Radios	0.00	0.00	16	0.00	6.25%	0.00
3972	GEN-Comm Eq. Fixed Radios	13,453.05	9,195.58	16	840.82	6.25%	0.00
3973	GEN-Comm Eq. Telemetry	0.00	0.00	16	0.00	6.25%	0.00
3980	Misc. Equipment	1,286,426.15	601,813.07	20	64,321.31	5.00%	0.00
3993	OTH-Oth Tang Prop - Network - H/W	5,844.52	3,287.54	8	730.57	12.50%	0.00
3994	OTH-Oth Tang Prop - PC Hardware	168,750.38	84,886.10	7	24,114.43	14.29%	0.00

LIBERTY UTILITIES (MIDSTATES NATURAL GAS) CORP.
D/B/A LIBERTY UTILITIES
State of Missouri

Computation of Proposed Depreciation Accrual Rates
Using Average Life Group Depreciation
As of December 31, 2021

<u>Account</u>	<u>Description</u>	<u>Plant Balance</u>	<u>Book Reserve</u>	<u>Net Salvage %</u>	<u>Net Salvage Amount</u>	<u>Unaccrued Balance</u>	<u>Average Remaining Life</u>	<u>Annual Accrual Amount</u>	<u>Proposed Annual Accrual Rate</u>
3660	T&D-Structures & Improvements	3,379.86	2,863.75	-5.00%	(168.99)	685.11	17.10	40.07	1.19%
3661	T&D-Other Structures	61,081.38	14,971.09	-5.00%	(3,054.07)	49,164.36	40.70	1,208.08	1.98%
3670	T&D-Mains-STL-PLST-CI-Mixed	336,085.70	56,017.14	0.00%	0.00	280,068.56	54.63	5,126.26	1.53%
3671	T&D-Mains-STL	10,137,844.19	6,766,896.68	-25.00%	(2,534,461.05)	5,905,408.56	40.20	146,886.55	1.45%
3690	T&D-M&R Station Equipment	676,820.83	320,192.14	0.00%	0.00	356,628.69	32.34	11,026.08	1.63%
3700	Communication Equipment	15,676.18	7,005.71	0.00%	0.00	8,670.47	8.92	971.53	6.20%
			7,167,946.50						
3750	Structures and Improvements	217,101.79	67,574.93	0.00%	0.00	149,526.86	31.06	4,813.40	2.22%
3760	Mains	2,650,430.09	1,427,028.45	-34.00%	(901,146.23)	2,124,547.87	21.04	100,982.21	3.81%
3761	T&D-Mains-STL	20,013,867.59	7,652,229.06	-34.00%	(6,804,714.98)	19,166,353.51	48.74	393,253.44	1.96%
3762	T&D-Mains-PLST	44,182,083.00	10,907,939.21	-23.00%	(10,161,879.09)	43,436,022.88	51.25	847,582.36	1.92%
3780	Measuring & regulating stn eqt-General	5,845,033.91	1,143,577.37	-38.00%	(2,221,112.89)	6,922,569.43	37.81	183,102.38	3.13%
3790	Measuring & regulating stn eqt-City gate check str	2,883,926.44	1,156,835.32	-25.00%	(720,981.61)	2,448,072.73	30.66	79,835.87	2.77%
3800	Services	41,254,477.61	12,265,799.89	-75.00%	(30,940,858.21)	59,929,535.93	37.41	1,601,965.43	3.88%
3810	Meters	19,577,331.54	4,209,221.23	-15.00%	(2,936,599.73)	18,304,710.04	12.22	1,498,432.44	7.65%
3820	Meters Installations	14,160,962.51	3,253,217.39	-35.00%	(4,956,336.88)	15,864,082.00	34.90	454,498.56	3.21%
3830	House regulators	2,264,456.48	1,420,439.52	0.00%	0.00	844,016.96	16.60	50,844.99	2.25%
3840	House Regulatory installations	731,832.37	333,645.97	0.00%	0.00	398,186.40	24.09	16,532.20	2.26%
3850	Industrial measuring & regulating stn eqt	948,020.51	296,965.22	-28.00%	(265,445.74)	916,501.03	34.07	26,902.76	2.84%
3870	Other Equipment	13,631.97	3,572.83	0.00%	0.00	10,059.14	16.28	618.04	4.53%
3900	General Structures & Improvmt	2,055,903.25	465,145.61	0.00%	0.00	1,590,757.64	31.14	51,086.77	2.48%
3901	GEN-Structure Frame	528,648.62	43,628.71	0.00%	0.00	485,019.91	36.13	13,423.44	2.54%
3902	GEN-Improvements				0.00	0.00			
3903	GEN-Improvements Leased Premise	439,941.96	42,842.93	0.00%	0.00	397,099.03	35.62	11,149.41	2.53%
3920	Transportation Equipment	415,901.20	144,522.64	10.00%	41,590.12	229,788.44	6.56	35,029.05	8.42%
3921	Transportation Equip<12,000 LB	4,354,442.09	2,160,010.61	10.00%	435,444.21	1,758,987.27	5.09	345,624.82	7.94%
3960	Power Operated Equipment	1,356,388.63	577,628.13	11.00%	149,202.75	629,557.75	6.31	99,764.07	7.36%
3961	GEN- Ditchers				0.00	0.00			
3962	GEN-Backhoes	625,793.45	282,391.92	11.00%	68,837.28	274,564.25	6.02	45,596.12	7.29%

**LIBERTY UTILITIES (MIDSTATES NATURAL GAS) CORP.
D/B/A LIBERTY UTILITIES
STATE OF MISSOURI**

**Comparison of Existing vs Proposed Depreciaton Rates
Using Average Life Group Depreciation
As of December 31, 2021**

Acct	Description	Plant 12/31/2021	Current Rate	Annual Expense	Proposed Rate	Proposed Expense	Expense Change
3660	T&D-Structures & Improvements	3,379.86	2.10%	70.98	1.19%	40.07	(30.90)
3661	T&D-Other Structures	61,081.38	2.10%	1,282.71	1.98%	1,208.08	(74.63)
3670	T&D-Mains-STL-PLST-CI-Mixed	336,085.70	1.57%	5,276.55	1.58%	5,313.83	37.28
3671	T&D-Mains-STL	10,137,844.19	1.57%	159,164.15	1.45%	146,886.55	(12,277.60)
3690	T&D-M&R Station Equipment	676,820.83	2.04%	13,807.14	1.63%	11,026.08	(2,781.07)
3700	Communication Equipment	15,676.18	4.35%	681.91	6.20%	971.53	289.61
					0.00%		
3750	Structures and Improvements	217,101.79	2.22%	4,819.66	2.22%	4,813.40	(6.26)
3760	Mains	2,650,430.09	1.97%	52,213.47	3.81%	100,982.21	48,768.74
3761	T&D-Mains-STL	20,013,867.59	1.97%	394,273.19	1.96%	393,253.44	(1,019.75)
3762	T&D-Mains-PLST	44,182,083.00	1.92%	848,295.99	1.92%	847,582.36	(713.63)
3780	Measuring & regulating stn eqt-General	5,845,033.91	2.66%	155,477.90	3.13%	183,102.38	27,624.48
3790	Measuring & regulating stn eqt-City gate check stn	2,883,926.44	2.78%	80,173.16	2.77%	79,835.87	(337.28)
3800	Services	41,254,477.61	4.55%	1,877,078.73	3.88%	1,601,965.43	(275,113.30)
3810	Meters	19,577,331.54	4.82%	943,627.38	7.65%	1,498,432.44	554,805.06
3820	Meters Installations	14,160,962.51	5.40%	764,691.98	3.21%	454,498.56	(310,193.41)
3830	House regulators	2,264,456.48	2.27%	51,403.16	2.25%	50,844.99	(558.17)
3840	House Regulatory installations	731,832.37	2.27%	16,612.59	2.26%	16,532.20	(80.40)
3850	Industrial measuring & regulating stn eqt	948,020.51	2.27%	21,520.07	2.84%	26,902.76	5,382.70
3870	Other Equipment	13,631.97	4.55%	620.25	4.53%	618.04	(2.21)
3900	General Structures & Improvmt	2,055,903.25	2.56%	52,631.12	2.48%	51,086.77	(1,544.36)
3901	GEN-Structure Frame	528,648.62	2.56%	13,533.40	2.54%	13,423.44	(109.96)
3902	GEN-Improvements	0.00	2.56%	0.00	0.00%	0.00	0.00
3903	GEN-Improvements Leased Premise	439,941.96	2.56%	11,262.51	2.53%	11,149.41	(113.10)
3920	Transportation Equipment	415,901.20	11.75%	48,868.39	8.42%	35,029.05	(13,839.34)
3921	Transportation Equip<12,000 LB	4,354,442.09	11.75%	511,646.95	7.94%	345,624.82	(166,022.12)
3960	Power Operated Equipment	1,356,388.63	6.83%	92,641.34	7.36%	99,764.07	7,122.73
3961	GEN- Ditchers	0.00	6.83%	0.00	0.00%	0.00	0.00
3962	GEN-Backhoes	625,793.45	6.83%	42,741.69	7.29%	45,596.12	2,854.42
3963	GEN- Welders	0.00	4.00%	0.00		0.00	0.00
Amortized Accts after Retirement of Fully Accrued Assets							
3910	Office Furniture & Improvement	665,461.41	4.55%	30,278.49	5.56%	36,999.65	6,721.16
3930	Stores Equipment	3,429.39	4.35%	149.18	4.35%	149.18	0.00
3940	Tools, Shop, and Garage Equipment	1,447,307.49	5.56%	80,470.30	6.25%	90,456.72	9,986.42
3950	Laboratory Equipment	0.00	3.57%	0.00	3.57%	0.00	0.00
3970	Communications Equipment	39,368.87	6.25%	2,460.55	6.25%	2,460.55	0.00
3971	GEN-Comm Eq. Mob Radios	0.00	6.25%	0.00	6.25%	0.00	0.00
3972	GEN-Comm Eq. Fixed Radios	13,453.05	6.25%	840.82	6.25%	840.82	0.00
3973	GEN-Comm Eq. Telemetering	0.00	6.25%	0.00	6.25%	0.00	0.00
3980	Misc. Equipment	1,286,426.15	5.00%	64,321.31	5.00%	64,321.31	0.00
3993	OTH-Oth Tang Prop - Network - H/W	5,844.52	12.50%	730.57	12.50%	730.57	0.00
3994	OTH-Oth Tang Prop - PC Hardware	168,750.38	14.29%	24,114.43	14.29%	24,114.43	0.00
Total Missouri		179,381,104.41		6,367,782.04		6,246,557.13	(121,224.91)

LIBERTY UTILITIES (MIDSTATES NATURAL GAS) CORP.
D/B/A LIBERTY UTILITIES
STATE OF MISSOURI

PROPOSED DEPRECIATION PARAMETERS
As of December 31, 2021

Acct	Description	Note	Current		Company Revised Proposed			Difference	
			Average Service Life	Net Salvage Percentage	Average Service Life	Curve	Net Salvage Percentage	Average Service Life	Net Salvage Percentage
3660	T&D-Structures & Improvements		50	-5.00%	50	S3	-5.00%	0	0.00%
3661	T&D-Other Structures		50	-5.00%	50	S3	-5.00%	0	0.00%
3670	T&D-Mains-STL-PLST-CI-Mixed		70	-10.00%	61.05	S6	0.00%	-8.95	10.00%
3671	T&D-Mains-STL		70	-10.00%	70	R2	-25.00%	0	-15.00%
3672	T&D-Mains-PLST		70	-10.00%	70	R2	-25.00%	0	-15.00%
3690	T&D-M&R Station Equipment		49	0.00%	52	R2.5	0.00%	3	0.00%
3700	Communication Equipment		23	0.00%	15	R2	0.00%	-8	0.00%
3750	Structures and Improvements		45	0.00%	45	R2	0.00%	0	0.00%
3760	Mains		68	-34.00%	35	R4	-34.00%	-33	0.00%
3761	T&D-Mains-STL		68	-34.00%	68	S0.5	-34.00%	0	0.00%
3762	T&D-Mains-PLST		64	-23.00%	64	S2	-23.00%	0	0.00%
3780	Measuring & regulating stn eqt-General		47	-25.00%	44	R2.5	-38.00%	-3	-13.00%
3790	Measuring & regulating stn eqt-City gate check stn		45	-25.00%	45	R4	-25.00%	0	0.00%
3800	Services		33	-50.00%	45	R0.5	-75.00%	12	-25.00%
3810	Meters		28	-35.00%	15	L0	-15.00%	-13	20.00%
3820	Meters Installations		25	-35.00%	42	R0.5	-35.00%	17	0.00%
3830	House regulators		44	0.00%	44	R3	0.00%	0	0.00%
3840	House Regulatory installations		44	0.00%	44	R3	0.00%	0	0.00%
3850	Industrial measuring & regulating stn eqt		45	-2.00%	45	L2	-28.00%	0	-26.00%
3870	Other Equipment		22	0.00%	22	R2	0.00%	0	0.00%
3900	General Structures & Improvmt		39	0.00%	39	L0	0.00%	0	0.00%
3901	GEN-Structure Frame		39	0.00%	39	L0	0.00%	0	0.00%
3902	GEN-Improvements		39	0.00%	39	L0	0.00%	0	0.00%
3903	GEN-Improvements Leased Premise		39	0.00%	39	L0	0.00%	0	0.00%
3910	Office Furniture & Improvement	(1)	22	0.00%	18	SQ	0.00%	-4	0.00%
3920	Transportation Equipment		8	6.00%	10	L5	10.00%	2	4.00%
3921	Transportation Equip<12,000 LB		8	6.00%	10	L5	10.00%	2	4.00%
3930	Stores Equipment	(1)	23	0.00%	23	SQ	0.00%	0	0.00%
3940	Tools, Shop, and Garage Equipment	(1)	18	0.00%	16	SQ	0.00%	-2	0.00%
3950	Laboratory Equipment	(1)	28	0.00%	28	SQ	0.00%	0	0.00%
3960	Power Operated Equipment		12	18.00%	11	L5	11.00%	-1	-7.00%
3961	GEN- Ditchers		12	18.00%	11	L5	11.00%	-1	-7.00%
3962	GEN-Backhoes		12	18.00%	11	L5	11.00%	-1	-7.00%
3963	GEN- Welders		12	18.00%	11	L5	11.00%	-1	-7.00%
3970	Communications Equipment	(1)	16	0.00%	16	SQ	0.00%	0	0.00%
3971	GEN-Comm Eq. Mob Radios	(1)	16	0.00%	16	SQ	0.00%	0	0.00%
3972	GEN-Comm Eq. Fixed Radios	(1)	16	0.00%	16	SQ	0.00%	0	0.00%
3973	GEN-Comm Eq. Telemetry	(1)	16	0.00%	16	SQ	0.00%	0	0.00%
3980	Misc. Equipment	(1)	20	0.00%	20	R1.5	0.00%	0	0.00%
3993	OTH-Oth Tang Prop - Network - H/W	(1)	8	0.00%	8	SQ	0.00%	0	0.00%
3994	OTH-Oth Tang Prop - PC Hardware	(1)	7	0.00%	7	SQ	0.00%	0	0.00%

(1) Vintage Group Amortization

Liberty Utilities
Summary of Book Reserve and Reallocated Reserve
At December 31, 2021

Acct	Per Book			Total Reallocated Reserve	Theoretical Reserve	Theo Reserve Life	Theo Reserve COR	Proposed Net Salvage %	Allocated Life Reserve	Allocated COR reserve
	Life Reserve	Cor Reserve	Total Reserve							
3010	(894.00)		(894.00)						894.00	
3020	(75,761.68)		(75,761.68)						75,761.68	
3030	(17,585.04)		(17,585.04)						17,585.04	
3110	1,184.33		1,184.33						(1,184.33)	
Total	(93,056.39)	-	(93,056.39)						93,056.39	-
Transmission										
3650	(73.00)		(73.00)						-	-
3651	(2,232.25)	136.13	(2,368.38)						-	-
3660	(3,136.39)	8.59	(3,144.98)	2,863.75	2,335.42	2,224.21	111.21	-5.00%	2,713.04	150.71
3661	(11,668.40)	196.81	(11,865.21)	14,971.09	11,933.87	11,365.59	568.28	-5.00%	14,200.98	770.10
3670	(39,263.19)	12,063.74	(51,326.93)	56,017.14	45,936.56	45,936.56	-	0.00%	56,017.14	-
3671	(5,185,639.99)	1,497,403.83	(6,683,043.82)	6,766,896.68	5,394,080.02	4,315,264.01	1,078,816.00	-25.00%	5,304,937.51	1,461,959.17
3672	(15,537.06)		(15,537.06)						-	-
3690	(443,262.64)	(46,929.11)	(396,333.53)	320,192.14	255,836.74	255,836.74	-	0.00%	320,192.14	-
3700	(4,253.60)		(4,253.60)	7,005.71	6,349.31	6,349.31	-	0.00%	7,005.71	-
Total Transmission	(5,705,066.52)	1,462,879.98	(7,167,946.50)	7,167,946.50	5,716,471.91	4,636,976.42	1,079,495.49		5,705,066.52	1,462,879.98
Distribution										
3740	(10,285.00)		(10,285.00)						-	-
3741	-		-						-	-
3742	(72,310.75)		(72,310.75)						-	-
3750	(77,283.91)		(77,283.91)	67,574.93	67,230.59	67,230.59	-	0.00%	67,574.93	-
3760	(522,910.79)	174,241.96	(697,152.75)	1,427,028.45	1,416,690.01	1,057,231.35	359,458.66	-34.00%	1,054,455.35	372,573.09
3761	(7,889,449.61)	1,099,667.45	(8,989,117.06)	7,652,229.06	7,596,790.69	5,669,246.79	1,927,543.91	-34.00%	5,654,360.93	1,997,868.13
3762	(10,671,371.48)	1,347,466.11	(12,018,837.59)	10,907,939.21	10,828,914.08	8,803,995.19	2,024,918.89	-23.00%	8,809,143.47	2,098,795.73
3770	(22,142.65)		(22,142.65)	1,143,577.37	1,135,292.45	822,675.69	312,616.76	-38.00%	819,555.14	324,022.23
3780	(745,404.39)	52,503.63	(797,908.02)						-	-
3790	(1,048,296.98)	37,720.14	(1,086,017.12)	1,156,835.32	1,148,458.10	918,766.48	229,691.62	-25.00%	918,763.67	238,071.65
3800	(5,408,319.66)	9,785,163.40	(15,193,483.06)	12,265,799.89	12,176,937.42	6,958,249.96	5,218,687.47	-75.00%	6,856,714.60	5,409,085.28
3810	2,248,752.87	252,063.57	1,996,689.30	4,209,221.23	4,178,726.54	3,633,675.25	545,051.29	-15.00%	3,644,284.37	564,936.86
3820	(5,383,538.39)	(705,493.54)	(6,089,031.93)	3,253,217.39	3,229,648.69	2,392,332.37	837,316.33	-35.00%	2,385,352.54	867,864.85
3830	(1,708,173.36)	(94,985.01)	(1,803,158.37)	1,420,439.52	1,410,148.81	1,410,148.81	-	0.00%	1,420,439.52	-
3840	(569,248.57)	(1,204.96)	(570,453.53)	333,645.97	331,228.79	331,228.79	-	0.00%	333,645.97	-
3850	(306,954.18)	(7,101.54)	(314,055.72)	296,965.22	294,813.78	230,323.27	64,490.52	-28.00%	230,121.84	66,843.38
3870	(11,048.32)		(11,048.32)	3,572.83	3,546.95	3,546.95	-	0.00%	3,572.83	-
Total Distribution	(32,197,985.17)	11,940,061.21	(44,138,046.38)	44,138,046.38	43,818,426.92	32,298,651.48	11,519,775.44		32,197,985.17	11,940,061.21
General										
3890	(9,016.00)		(9,016.00)						-	-
3900	(920,800.29)	(3,989.54)	(924,789.83)	465,145.61	414,430.56	414,430.56	-	0.00%	502,236.70	(37,091.09)
3901	(62,597.57)	-	(62,597.57)	43,628.71	38,871.85	38,871.85	-	0.00%	43,628.71	-
3903	(77,240.70)		(77,240.70)	42,842.93	38,171.74	38,171.74	-	0.00%	42,842.93	-
3910	(254,583.64)	(569.81)	(255,153.45)	352,129.66	352,129.66	352,129.66	-	0.00%	352,129.66	-
3920	(224,763.29)	10,882.27	(213,881.02)	144,522.64	128,765.27	128,765.27	-	0.00%	144,522.64	-
3921	(2,587,730.62)		(2,587,730.62)	2,160,010.61	1,924,503.58	2,138,337.31	-	10.00%	2,160,010.61	-
3930	(637.07)	(2.93)	(640.00)	372.76	372.76	414.18	-	10.00%	372.76	-
3940	(304,657.50)	(1,893.21)	(306,550.71)	665,834.16	665,834.16	665,834.16	-	0.00%	665,834.16	-
3950	(2,116.60)	(2,763.77)	(4,880.37)	647.17	-	-	-	0.00%	-	-
3960	(437,492.53)	4,580.01	(432,912.52)	577,628.13	514,649.05	514,649.05	-	0.00%	577,628.13	-
3961	9,364.52		9,364.52	-	-	-	-	11.00%	-	-
3962	(262,442.39)		(262,442.39)	282,391.92	252,065.27	283,219.40	-	11.00%	282,391.92	-
3963	(136.63)		(136.63)	-	-	-	-	11.00%	-	-
3970	(18,587.03)	(408.13)	(19,000.16)	21,940.15	21,940.15	24,651.86	-	11.00%	21,940.15	-
3972	(10,521.92)		(10,521.92)	-	-	-	-	0.00%	-	-
3973	2,251.23		2,251.23	9,195.58	9,195.58	9,195.58	-	0.00%	9,195.58	-
3975	(5,660.44)		(5,660.44)	-	-	-	-	0.00%	-	-
3980	(478,810.27)	(42,909.17)	(521,719.44)	-	-	-	-	0.00%	-	-
3990	364.90		364.90	601,813.07	601,813.07	601,813.07	-	0.00%	601,813.07	-
3993	(11,236.89)		(11,236.89)	7,547.66	7,547.66	7,547.66	-	0.00%	7,547.66	-
3994	99,095.69	(16.80)	99,112.49	145,860.34	145,860.34	145,860.34	-	0.00%	145,860.34	-
Total General	(5,557,955.04)	(37,091.09)	(5,595,046.13)	5,520,863.95	5,116,150.70	5,363,891.69			5,557,955.04	(37,091.09)
Total Company	(43,554,063.12)	13,365,850.11	(56,919,913.23)	56,826,856.84	54,651,049.53	42,299,519.59			43,554,063.12	13,365,850.11