

Spire Missouri Inc.

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Michelle Antrainer

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Spire Missouri Inc.

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Michelle Antrainer

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APPENDIX A

SPIRE REVENUE REQUIREMENT/REVENUE DEFICIENCY MODEL – SCHEDULE DESCRIPTION

Schedule MLA-D1 and MLA-D2 have identical formats, as described below, but have separate calculations for Spire Missouri East and Spire Missouri West, respectively

Schedule A provides a summary of the revenue deficiency compared to Staff's amended EMS report from Case no. GR-2021-0108.

Schedule A-2 contains an income tax computation, both per book and as adjusted for the twelve months ending December 31, 2021. Schedule A-2 also includes a normalized amount of income tax offsets for flow through items.

Schedule B summarizes the requested rate base at December 31, 2021. The total rate base for combined East and West service territories is \$3.41 billion and consists of net plant of \$3.48 billion, working capital components of \$253 million, and the balance of accumulated deferred income taxes and other rate base offsets of \$327.3 million.

On December 31, 2021, the total rate base for Spire Missouri East was approximately \$1.83 billion. As of the same date, the total rate base for Spire Missouri West was approximately \$1.58 billion. This rate base amount is net plant in service, which is gross plant in service (Schedule C) minus accumulated depreciation & amortization (Schedule D), plus working capital (Schedule B2, B3, B4 and B7), and less customer deposits (Schedule B5), customer advances (Schedule B6), and Deferred Income Taxes (Schedule B). Cash working capital which is calculated on Schedule B1 with adjustments supported by the testimony of Spire Witness Chuck Kuper, and other regulatory assets including prepaid pension and other post-employment benefit assets/liabilities, customer assistance program assets, and energy efficiency assets are shown on Schedule B7.

Spire's calculation for customer deposits, customer advances, and the working capital items – materials and supplies, prepayments, and gas inventory are calculated by taking an average of their monthly balance for 13 months. The first month and last month are recognized at 50% so that a large or small monthly balance does not unfairly influence the final monthly average.

Schedule C summarizes and supports plant in service as of December 31, 2021 and includes a construction work in progress amount to reflect the anticipated plant amount at true up.

Schedule D summarizes and supports reserve for depreciation.

Schedule E presents Spire's proposed capital structure. Additional details regarding the Company's proposed capital structure can be found in the direct testimony of Spire Witness Adam Woodard.

Schedule F summarizes the operating income statement with adjustments. Schedule F also includes the adjustments categorized by major driver.

Schedule G summarizes and supports by account the revenue and expense adjusted test year totals. The major adjustments are further detailed by the following: payroll (Schedule G-1), depreciation (Schedule G-2), amortization (Schedule G-3), property tax (Schedule G-4), and overheads (Schedule G-5). Additional details regarding these adjustments can be found in my direct testimony.

Appendix B - Current and Proposed Billing Determinants by Rate Class and Service Territory

Spire Missouri East Service Territory					
Rate Class		Current Rates	Old Revenues	Proposed Rates	New Revenues
Residential (RES)					
	Customer Charge	\$ 22.00	\$ 162,950,360	\$ 22.00	\$ 164,175,264
	Winter Billing	\$ 0.27630	\$ 113,856,205	\$ 0.39922	\$ 165,750,462
	Summer Billing				
	First 50 Ccf	\$ 0.24863	\$ 15,835,171	\$ 0.35928	\$ 23,048,156
	In Excess of 50 Ccf	\$ 0.30123	\$ 1,768,397	\$ 0.43526	\$ 2,576,798
			\$ 294,410,132		\$ 355,550,680
Small General Service (SGS)					
	Customer Charge	\$ 37.31	\$ 15,717,625	\$ 45.00	\$ 18,957,200
	Charge per Ccf	\$ 0.22009	\$ 15,485,470	\$ 0.26625	\$ 18,733,030
			\$ 31,203,095		\$ 37,690,230
Large General Service (LGS)					
	Customer Charge	\$ 133.25	\$ 8,980,108	\$ 161.00	\$ 10,850,262
	Charge per Ccf	\$ 0.14375	\$ 20,262,427	\$ 0.17357	\$ 24,465,973
			\$ 29,242,535		\$ 35,316,235
Unmetered Gas Light (UG)					
	Customer charge	\$ 6.40	\$ 5,502.53	\$ 7.70	\$ 6,468.00
	Lights 3 cubic feet or less				
	each initial	\$ 5.48	\$ 40,091.68	\$ 6.60	\$ 46,944.35
	each additional	\$ 2.88		\$ 3.50	
	Lights in excess of 3 feet				
	first 3 cubic ft hourly input				
	rating per light	\$ 5.48		\$ 6.60	
	each additional	\$ 2.88		\$ 3.50	
			\$ 45,594.21		\$ 53,412.35
Liquid Propane (LP)					
	Customer Charge	\$ 19.12	\$ 8,177.62	\$ 24.42	\$ 9,377.28
	Per Gallon	\$ 0.23663	\$ 5,057.47	\$ 0.32537	\$ 6,181.42
			\$ 13,235		\$ 15,559
Large Volume Service (LV)					
	Customer Charge	\$ 974.62	\$ 456,122.16	\$ 1,346.50	\$ 597,846.00
	Demand Charge	\$ 1.03	\$ 469,970.21	\$ 1.10	\$ 510,332.90
	Commodity Charge				
	First 36,000 Ccf	\$ 0.02719	\$ 145,837.32	\$ 0.03739	\$ 186,507.30
	Excess 36,000 Ccf	\$ 0.00762	\$ 53.46	\$ 0.01048	\$ 69.41
			\$ 1,071,983		\$ 1,294,756
Transportation Service (TR)					
	Customer Charge	\$ 2,131.41	\$ 4,002,788	\$ 2,207.00	\$ 4,078,536
	Reservation Charge	\$ 0.612	\$ 8,138,244	\$ 0.612	\$ 8,138,244

Appendix B - Current and Proposed Billing Determinants by Rate Class and Service Territory

	Transport Charge				
	First 36,000 Ccf	\$ 0.02559	\$ 1,421,742	\$ 0.02559	\$ 1,396,704
	Excess 36,000 Ccf	\$ 0.01071	\$ 1,311,620	\$ 0.01071	\$ 1,288,322
	Commodity Charge				
	First 36,000 Ccf	\$ 0.02559	\$ 5,212.10	\$ -	\$ -
	Excess 36,000 Ccf	\$ 0.01071	\$ 10,778.45	\$ -	\$ -
	Authorized Overruns	\$ 0.0479502	\$ 12,123.88	\$ -	\$ -
			\$ 14,902,508		\$ 14,901,806

Appendix B - Current and Proposed Billing Determinants by Rate Class and Service Territory

Spire Missouri West Service Territory					
Rate Class		Current Rates	Old Revenues	Proposed Rates	New Revenues
Residential (RES)					
	Customer Charge	\$ 20.00	\$ 118,391,565	\$ 20.00	\$ 119,787,840
	Winter Billing Months	\$ 0.27073	\$ 87,575,814	0.43923	\$ 143,757,971
	Summer Billing				
	First 50 Ccf	\$ 0.24363	\$ 11,366,784	\$ 0.39527	\$ 18,659,192
	In Excess of 50 Ccf	\$ 0.30057	\$ 1,080,652	\$ 0.48753	\$ 1,773,510
			\$ 218,414,816		\$ 283,978,513
Small General Service (SGS)					
	Customer Charge	\$ 37.20	\$ 13,121,126	\$ 46.81	\$ 17,008,882
	Charge per Ccf				
	Block 1 (first 5,000 Ccf)	\$ 0.15825	\$ 8,697,882	\$ 0.20670	\$ 11,360,836
	Block 2 (over 5,000 Ccf)	\$ 0.19782	\$ 24,535	\$ 0.24887	\$ 30,867
			\$ 21,843,543		\$ 28,400,584
Large General Service (LGS)					
	Customer Charge	\$ 162.46	\$ 7,935,000	\$ 215.05	\$ 9,212,742
	EGM	\$ 25.00	\$ 67,500	\$ 25.00	\$ 66,300
	Winter Billing				
	Block 1 (First 5,000 Ccf)	\$ 0.13368	\$ 6,991,204	\$ 0.17370	\$ 9,825,541
	Block 2 (Over 5,000 Ccf)	\$ 0.13468	\$ 1,323,845	\$ 0.17370	\$ 1,891,520
	Summer Billing				
	Block 1 (First 5,000 Ccf)	\$ 0.10557	\$ 1,994,419	\$ 0.17370	\$ 3,069,704
	Block 2 (Over 5,000 Ccf)	\$ 0.13468	\$ 197,626	\$ 0.17370	\$ 282,370
			\$ 18,509,595		\$ 24,348,176
Large Volume Service (LV)					
	Fixed Monthly Charge	\$ 1,357.95	\$ 321,834	\$ 1,765.00	\$ 418,305
	Volumetric delivery				
	Winter Billing				
	First 30,000 Ccf/First 36,000 Ccf	\$ 0.06994	\$ 80,068	\$ 0.09087	\$ 104,029
	All additional gas	\$ 0.05456	\$ 70,041	\$ 0.07089	\$ 91,004
	Summer Billing				
	First 30,000 Ccf/First 36,000 Ccf	\$ 0.04366	\$ 22,363	\$ 0.05706	\$ 29,227
	Addition Gas	\$ 0.02893	\$ 14,334	\$ 0.03779	\$ 18,724
			\$ 508,640		\$ 661,289
Transportation Service (TR)					
	Fixed monthly charge	\$ 1,145.90	\$ 6,035,455	\$ 1,240.00	\$ 6,383,520
	EGM	\$ 25.00	\$ 143,375	\$ 25.00	\$ 140,400
	Additional Meters	\$ 293.38	\$ 137,302	\$ 293.38	\$ 137,302
	Volumetric delivery				
	Winter Billing				
	First 30,000 Ccf	\$ 0.05512	\$ 2,039,138	\$ 0.05512	\$ 1,992,688

Appendix B - Current and Proposed Billing Determinants by Rate Class and Service Territory

	All additional gas	\$ 0.43000	\$ 4,309,772	\$ 0.04300	\$ 4,211,600
	Summer Billing				
	First 30, 000 Ccf	\$ 0.03441	\$ 1,316,486	\$ 0.03441	\$ 1,286,498
	Additional Gas	\$ 0.02280	\$ 2,414,786	\$ 0.02280	\$ 2,359,780
			\$ 16,396,314		\$ 16,511,787
Unmetered Gas Light (UG)					
	Customer-Per Gas Light	\$ 5.47	\$ 1,575.00	\$ 7.05	\$ 2,030.00

**Spire Missouri East
December 31, 2021
Revenue Deficiency**

Line No.	Description (a)	Ref. (b)	Staff EMS Run 11/12/2021	Spire 9/30/2022
1	Rate Base	B	\$1,633,226,133	\$1,829,757,735
2	Rate of Return	F	6.37%	7.571%
3	Required Return		\$104,036,505	\$138,530,958
4	Adjusted Test Year Net Operating Income	H Sum	87,242,039	82,223,106
5	Earnings Deficiency		\$16,794,466	\$56,307,852
6	Multiply by Income Tax Gross-up Factor		1.3130274	1.31305
7	Net Revenue Deficiency		\$22,051,594	\$73,934,751
8	Allowance for Known and Measurable Changes/ True-up Estimate			
9	Total Revenue Deficiency		\$22,051,594	\$73,934,751

**Spire Missouri East
December 31, 2021
Income Tax**

Line No.	Description (a)	Reference (b)	Per EMS (c)	As Adjusted (d)
1	Total Operating Revenues	H	\$376,847,450	\$376,847,450
2	Total Operating Expenses	H	(267,612,392)	(295,252,472)
3	Net Operating Income	H	<u>\$109,235,058</u>	<u>\$81,594,978</u>
4	Flow Through Adjustments		(\$18,588,687)	(\$18,588,687)
5	Less: Interest on Long Term Debt		<u>(32,862,449)</u>	<u>(32,862,449)</u>
6	Total Tax Adjustments		<u>(\$51,451,136)</u>	<u>(\$51,451,136)</u>
7	Net Taxable Income		<u>\$57,783,922</u>	<u>\$30,143,842</u>
8	Income Tax		<u>\$13,776,355</u>	<u>\$7,186,640</u>

Income Tax Workpaper

Composite Debt Cost Rate	1.7960%	
Rate Base	\$1,829,757,735	
Interest on Long Term Debt	<u>\$32,862,449</u>	
Net Taxable Income	\$57,783,922	\$30,143,842
Effective Tax Rate	23.84%	23.84%
Income Tax	<u>\$13,776,355</u>	<u>\$7,186,640</u>

**Spire Missouri
Computation of Effective Tax Rate**

Effective Federal Tax Rate	(1)	20.24%	
Effective Missouri Tax Rate	(2)	3.60%	
Effective St. Louis City Tax Rate	(3)	0.00%	
Overall Effective Tax Rate		<u>23.8412%</u>	
Reciprocal		<u>76.1588% #</u>	
Tax rate divided by reciprocal		<u>31.3045% #</u>	

Federal

Total		100.00%	
Less: Effective Missouri Tax Rate (2)		-3.60%	
Less: Effective St. Louis City Rate (3)		0.00%	
Percentage subject to Federal Tax		<u>96.40%</u>	
Federal Tax Rate	x	21.00%	
Effective Federal Tax Rate	20.18%	<u>20.24%</u>	(1)

Missouri

Total		100.00%	
Less: Effective St. Louis City Rate(3)		0.00%	
Less: 1/2 Effective Federal Rate (1)		10.09%	
Percentage subject to Missouri Tax		<u>89.91%</u>	
Missouri Tax Rate	x	4.00%	
Effective Missouri Tax Rate		<u>3.60%</u>	(2)

St Louis City/Kansas City

Total STL tax rate		0.50%	
Apportionment*	x	32.84%	
Effective KC tax rate		<u>0.00%</u>	(3)

**Spire Missouri East
December 31, 2021
Rate Base**

Line No.	Description (a)	Reference (b)	Staff EMS Run 11/12/2021	Adjustments	9/30/2022 Amount (c)
1	Plant in Service	C	2,498,037,999	96,896,439	\$2,594,934,438
2	True Up Estimate	C	0	116,723,608	116,723,608
3	Gross Plant In Service		2,498,037,999	213,620,047	2,711,658,046
4	Less Accumulated Depreciation Reserve	D	774,310,695	27,375,302	801,685,997
5	Net Plant in Service		<u>1,723,727,304</u>	<u>186,244,745</u>	<u>1,909,972,049</u>
6	Add to Net Plant in Service				
7	Non-Current Gas	C	0	9,006,547	9,006,547
8	Cash Working Capital before Offsets	B-1	10,474,087		10,474,087
9	Natural Gas Inventory	B-2	59,666,120	2,190,548	61,856,668
10	Propane Inventory		8,725,848	0	8,725,848
11	Materials and Supplies	B-3	5,803,035	136,348	5,939,383
12	Prepayments	B-4	20,720,974	818,799	21,539,773
13	Insulation Financing / Energy Wise		2,153,091	114,739	2,267,830
14	Energy Affordability		2,214,074	418,792	2,632,866
15	Prepaid Pension		87,703,329	(10,431,450)	77,271,879
16	OPEB		705,491	(7,751,118)	(7,045,627)
17	Energy Efficiency Program		21,914,601	3,760,181	25,674,782
18	Transition Costs		1,219,167	(863,200)	355,967
19	Overhead Deferral		0	16,400,000	16,400,000
20	Total Add to Net Plant in Service		221,299,817	13,800,187	235,100,004
21	Subtractions from Net Plant				
22	Tax Offset (Federal, State & City)		16,018,724	(16,018,724)	0
23	Interest Expense Offset		1,680,117	292,833	1,972,950
24	Customer Deposits	B-5	4,535,765	53,322	4,589,087
25	Customer Advances	B-6	945,315	(52,877)	892,438
26	Deferred Income Taxes - Other (Net of AMT)		189,032,727	21,266,883	210,299,610
27	Forest Park Relocation - Regulatory Liability		3,615,509	0	3,615,509
28	Excess ADIT - TCJA		81,855,871	(2,028,107)	79,827,764
29	Excess ADIT - MO		14,116,960	0	14,116,960
30	Total Subtraction from Net Plant in Service		<u>311,800,988</u>	<u>3,513,330</u>	<u>315,314,318</u>
31	Total Rate Base		<u><u>1,633,226,133</u></u>	<u><u>196,531,602</u></u>	<u><u>1,829,757,735</u></u>

Spire Missouri East
Test Year Ended December 31, 2021
Summary of Cash Working Capital

Line #	Description (A)	Test Year Adj Expenses (B)	Revenue Lag (C)	Expense Lag (D)	Net Lag (E)	Factor (Col E / 365) (F)	CWC Req B x F (G)
1	Operation and Maint Expense						
2	Purchased Gas Costs	306,230,537	50.85	38.45	12.40	0.033973	10,403,570
3	Purchased Gas - back out	(306,230,537)	50.85	50.85	0.00	-	0
4	Payroll & Employee Withholdings	74,222,531	50.85	11.96	38.89	0.106548	7,908,262
5	Vacation - Union & non-union	4,361,079	50.85	182.50	(131.65)	(0.360685)	(1,572,976)
6	Pension & OPEB	14,713,214	50.85	91.44	(40.59)	(0.111205)	(1,636,183)
7	Employee Benefits	10,599,617	50.85	7.07	43.78	0.119945	1,271,371
8	Incentive Compensation	961,313	50.85	258.50	(207.65)	(0.568904)	(546,895)
9	Bad Debt	6,377,984	50.85	50.85	0.00	-	0
10	PSC Assessment	2,120,427	50.85	(32.75)	83.60	0.229041	485,665
11	Cash Vouchers	41,131,076	50.85	42.11	8.74	0.023945	984,884
12	Total Operation and Maint Expense	<u>154,487,241</u>					<u>17,297,698</u>
13	Taxes						
14	Payroll Taxes	5,596,789	50.85	11.96	38.89	0.106548	596,327
15	Federal & State SUTA	34,811	50.85	75.57	(24.72)	(0.067726)	(2,358)
16	Property Taxes	22,411,521	50.85	185.27	(134.42)	(0.368274)	(8,253,580)
17	Gross Receipts Taxes	36,620,782	33.47	31.39	2.08	0.005699	208,702
18	Use Tax	386,429	33.47	61.29	(27.82)	(0.076219)	(29,453)
19	Sales Tax	11,280,703	33.47	12.22	21.25	0.058219	656,751
20	Total Taxes	<u>76,331,035</u>					<u>(6,823,611)</u>
21	CWC before Rate Base Offsets						10,474,087
22	Offset from Rate Base						
23	Federal Tax Offset	15,804,964	50.85	50.85	0.00	-	0
24	State Tax Offset	2,806,635	50.85	50.85	0.00	-	0
25	City Tax Offset	0	50.85	-	50.85	0.139315	0
26	Interest Tax Offset	32,862,449	50.85	72.95	(22.10)	(0.060548)	(1,989,756)
27	Total Offset from Rate Base	<u>51,474,048</u>					<u>(1,989,756)</u>
28	Total Cash Working Capital Required						8,484,331

**Spire Missouri East
December 31, 2020
Gas Inventory - 13 Month Average**

Line No.	Month (a)	Dollars (b)
1	Dec-20	58,025,554
2	Jan-21	50,795,712
3	Feb-21	42,920,231
4	Mar-21	44,786,435
5	Apr-21	41,041,693
6	May-21	44,741,309
7	Jun-21	50,965,399
8	Jul-21	61,575,767
9	Aug-21	67,633,750
10	Sep-21	78,643,185
11	Oct-21	88,331,331
12	Nov-21	95,112,822
13	Dec-21	93,439,202
14	Total	<u>\$742,280,013</u>
15	Average	<u>\$61,856,668</u>

Spire Missouri East
December 31, 2021
Materials and Supplies

Line		
No.		
1	Dec-20	\$5,990,674.27
2	Jan-21	\$5,709,122.64
3	Feb-21	\$5,461,365.42
4	Mar-21	\$5,952,688.87
5	Apr-21	\$6,186,539.03
6	May-21	\$6,392,604.61
7	Jun-21	\$6,077,215.94
8	Jul-21	\$6,034,428.31
9	Aug-21	\$5,689,594.29
10	Sep-21	\$5,826,967.57
11	Oct-21	\$5,699,640.04
12	Nov-21	\$6,025,292.83
13	Dec-21	\$6,443,607.75
14	Total	\$71,272,600.56
15	Average	5,939,383

**Spire Missouri East
May 31, 2021
Prepayments**

Line No.		
1	Dec-20	18,717,097
2	Jan-21	18,496,911
3	Feb-21	16,449,658
4	Mar-21	18,245,188
5	Apr-21	28,159,373
6	May-21	27,993,759
7	Jun-21	25,684,912
8	Jul-21	24,172,169
9	Aug-21	21,740,944
10	Sep-21	19,315,843
11	Oct-21	19,146,099
12	Nov-21	20,098,826
13	Dec-21	19,230,094
14	Total	<u><u>\$258,477,277</u></u>
15	Average	<u><u>\$21,539,773</u></u>

**Spire Missouri East
December 31, 2021
Customer Deposits**

Line No.	Month (a)	Residential Amount (b)
1	Dec-20	5,094,177
2	Jan-21	4,836,144
3	Feb-21	4,741,943
4	Mar-21	4,583,331
5	Apr-21	4,541,347
6	May-21	4,535,765
7	Jun-21	4,539,103
8	Jul-21	4,519,102
9	Aug-21	4,485,008
10	Sep-21	4,507,868
11	Oct-21	4,536,616
12	Nov-21	4,480,534
13	Dec-21	4,430,393
14	Total	<u>\$55,069,046</u>
15	Average	<u>\$4,589,087</u>
16	Interest Rate	<u>4.25%</u>
17	Interest Expense	<u>(\$195,036)</u>

**Spire Missouri East
December 31, 2021
Customer Advances**

Line	Month	Amount
No.	(a)	(b)
1	Dec-20	443,686
2	Jan-21	447,108
3	Feb-21	719,601
4	Mar-21	735,074
5	Apr-21	1,184,663
6	May-21	945,315
7	Jun-21	945,315
8	Jul-21	945,315
9	Aug-21	1,014,618
10	Sep-21	997,429
11	Oct-21	1,051,313
12	Nov-21	997,462
13	Dec-21	1,008,389
14	Total	<u><u>\$10,709,251</u></u>
15	Average	<u><u>\$892,438</u></u>

**Spire Missouri East
Regulatory Assets
December 31, 2021**

Line No.	Year Ended (a)	Balance (b)
1	Prepaid Pension Tracker	\$77,271,879
2	OPEB Asset	(7,045,627)
3	Energ Affordability Program	2,632,866
4	Red Tag Program	-
5	Insulation/Energywise	2,267,830
6	Energy Efficiency Program	<u>25,674,782</u>
7	Total Regulatory Assets	<u><u>\$100,801,731</u></u>
	Prepaid Pension Tracker	78,208,454
	Contribution vs Recovery 6/1-12/31 Adjustment (Per GR-2021-0108 Stipulation)	<u>(936,575)</u> 77,271,879

**Spire Missouri East
December 31, 2021
Plant in Service**

Line No.	Description a)	Plant Balance Staff EMS Run 11/12/2021	Plant Additions through 12/31/21 c)	Total As Adjusted d)
INTANGIBLE PLANT				
1	301 Organization	\$2,501	\$1	\$2,501
2	302 Franchises	8,484	0	8,484
3	303 MGE Website Enhancements	0	0	0
4	Total Intangible Plant	<u>\$10,985</u>	<u>\$1</u>	<u>\$10,986</u>
PRODUCTION PLANT				
5	304 Land & Land Rights-Mfg Gas	\$119,929	\$0	\$119,929
6	305 Structures & Improvements-Mfg Gas	1,869,054	(\$331,589)	1,537,465
7	307 Other Power Equipment	33,139	0	33,139
8	311 Propane Equipment-Gas Ops	2,899,589	0	2,899,589
9	311.1 Propane Storage Cavern-Gas Ops	4,827,936	0	4,827,936
10	Total Production Plant	<u>\$9,749,647</u>	<u>(\$331,589)</u>	<u>\$9,418,059</u>
UNDERGROUND STORAGE PLANT				
11	350.1 Land	\$1,201,600	\$0	\$1,201,600
12	350.2 Rights of Way	778,418	0	778,418
13	351.2 Compression Station Structure	830,420	0	830,420
14	351.4 Other Structures	1,093,321	0	1,093,321
15	352 Wells	8,622,238	116,465	8,738,703
16	352.1 Storage Leaseholds & Rights	2,126,882	0	2,126,882
17	352.2 Reservoirs	245,023	0	245,023
18	352.3 Non-Recoverable Natural Gas	9,149,448	171,370	9,320,818
19	352.4 Wells - Oil & Vent Gas	2,197,749	90,570	2,288,319
20	353 Lines	3,238,918	0	3,238,918
21	354 Compressor Station Equipment	3,198,332	2,410	3,200,742
22	355 Measuring & Regulating Equipment	3,187,140	58,568	3,245,708
23	356 Purification Equipment	610,813	13	610,825
24	357 Other Equipment	66,897	(2)	66,896
25	Total Underground Storage Plant	<u>\$36,547,198</u>	<u>\$439,394</u>	<u>\$36,986,592</u>
OTHER STORAGE EQUIPMENT				
26	360 Land & Land Rights	\$50,654	\$0	\$50,654
27	361 Structures & Improvements	107,233	0	107,233
28	362 Gas Holders	34,530	0	34,530
29	363.3 Compressor Equipment	338,616	0	338,616
30	Total Other Storage Equipment	<u>\$531,032</u>	<u>\$0</u>	<u>\$531,032</u>
TRANSMISSION PLANT				
31	365.2 Rights of Way - Transmission	\$41,153	\$0	\$41,153
32	367 Mains - Transmission	2,013,840	0	2,013,840
33	371 Other Equipment - Transmission	9,654	0	9,654
34	Total Transmission Plant	<u>\$2,064,647</u>	<u>\$0</u>	<u>\$2,064,647</u>
DISTRIBUTION PLANT				
34	374 Land & Land Rights	\$4,333,194	\$566,779	\$4,899,973
	374.2 Land Rights	\$0	0	\$0
35	375.1 Str & Imp - District Meas & Reg	1,078,927	0	1,078,927
36	375.2 Str & Imp - Service Centers	17,048,852	627,466	17,676,318
	375.21 Str & Imp - Leased Property	106,468	(13,019)	93,449
	375.3 Str & Imp - Garage	290,197	0	290,197
	375.7 Struct & Impr - MoNat	69,048	0	69,048
37	376.1 Mains - Steel	249,366,658	3,376,496	252,743,154
38	376.2 Mains - Cast Iron	32,434,668	(442,001)	31,992,667
39	376.3 Mains - Plastic	729,093,980	23,896,637	752,990,617
40	378 Meas. & Reg. Station - General	13,224,885	(129,322)	13,095,564
41	379 Meas. & Reg. Station - City Gate	3,291,435	0	3,291,435
42	380.1 Services - Steel	40,780,191	(941,697)	39,838,494
43	380.2 Services - Plastic	872,149,303	35,653,908	907,803,211
44	381 Meters	146,328,847	1,677,126	148,005,973
	381.1 Smart Meters	0	12,082,269	12,082,269
	382.1 Smart Meter Installations	0	3,029,308	3,029,308
45	383 House Regulators	29,070,273	1,156,870	30,227,143
46	385 Commercial & Ind Meas & Reg Eq	18,630,399	514,443	19,144,843
47	386 Other Property - Customer Premises	22,975	0	22,975
48	387 Other Equipment	406,070	1	406,070
49	Total Distribution Plant	<u>\$2,157,726,370</u>	<u>\$81,055,263</u>	<u>\$2,238,781,633</u>
GENERAL PLANT				
50	389 Land	\$0	\$0	\$0
51	390.2 LH Improvements 700 Market	2,837,546	107,566	2,945,112
	390.3 Structures - Leased - St. Charles	42,360	7,775	50,135
	390.7 Structures - Gen Plant - Monat	163,119	(845)	162,274
	390.71 Structures - Leased - Monat	109,291	1,353	110,644
	390.81 Structures - Leased - Franklin County	171,308	13,312	184,620
52	391 Furniture & Fixtures	5,095,909	117,822	5,213,731
53	391.1 Data Processing Systems	18,018,624	241,523	18,260,147
54	391.2 Mechanical Office Equipment	307,555	(10,610)	296,945
55	391.3 Data Processing Software	14,747,930	402,504	15,150,434
56	391.4 Data Processing Systems	584,933	(0)	584,933
57	391.5 Enterprise Software-EIMS	63,220,541	0	63,220,541
59	391.95 Ent Software SS Alloc	20,927,974	10,754,765	31,682,739
	392 Transportation - Sp Trucks	0	0	0
58	392.1 Transportation Eq - Automobiles	4,590,903	722,275	5,313,178
59	392.2 Transportation Eq - Trucks	34,867,937	1,773,807	36,641,744
60	393 Stores Equipment	328,900	(10,137)	318,763
61	394 Tools, Shop & Garage Equipment	28,285,590	1,051,267	29,336,857
	394.5 Equip CNG Fuel Station	1,656,366	0	1,656,366
62	395 Laboratory Equipment	320,500	(0)	320,500
63	396 Power Operated Equipment	42,599,180	658,584	43,257,764
	396.1 Power Operated Equipment - Trucks	21,413,079	(173,068)	21,240,011
64	397.0 Communication Equipment	10,555,565	(0)	10,555,565
	397.1 Communication Equipment - AMR	16,624,220	(0)	16,624,220
65	398 Miscellaneous Equipment	3,938,789	75,479	4,014,268
66	Total General Plant	<u>\$291,408,119</u>	<u>\$15,733,371</u>	<u>\$307,141,490</u>
67	Total Original Cost Plant in Service	\$2,498,037,998	\$96,896,439	\$2,594,934,438
68	CWIP - Sept 2022	0	116,723,608	116,723,608
69	Accumulated Depreciation and Amortization	(774,310,695)	(27,375,302)	(801,685,997)
70	Net Plant In Service	<u>\$1,723,727,303</u>	<u>\$186,244,745</u>	<u>\$1,909,972,048</u>

Spire Missouri East
December 31, 2021
Accumulated Depreciation Reserve

Line No.	Description	Total Reserve Staff EMS Run 11/12/2021	Reserve Adjustments through 12/31/21	Total As Adjusted
	a)		c)	d)
INTANGIBLE PLANT				
1	301 Organization	\$1	\$0	\$1
2	302 Franchises	0	0	0
3	303 MGE Website Enhancements	0	0	0
4	Total Intangible Plant	\$1	\$0	\$1
PRODUCTION PLANT				
5	304 Land & Land Rights-Mfg Gas	\$0	\$0	\$0
6	305 Structures & Improvements-Mfg Gas	1,050,720	(313,225)	737,495
7	307 Other Power Equipment	32,351	582	32,933
8	311 Propane Equipment-Gas Ops	2,239,627	60,119	2,299,746
9	311.1 Propane Storage Cavern-Gas Ops	4,802,867	27,077	4,829,944
10	Total Production Plant	\$8,125,565	(\$25,448)	\$7,900,117
UNDERGROUND STORAGE PLANT				
11	350.1 Land	\$0	\$0	\$0
12	350.2 Rights of Way	772,160	126	772,286
13	351.2 Compression Station Structure	758,286	13,951	772,237
14	351.4 Other Structures	1,092,719	12,081	1,104,800
15	352 Wells	6,753,560	(1,046,333)	5,707,227
16	352.1 Storage Leaseholds & Rights	2,053,716	2,511	2,056,227
17	352.2 Reservoirs	216,611	1,722	218,333
18	352.3 Non-Recoverable Natural Gas	3,253,101	59,243	3,312,344
19	352.4 Wells - Oil & Vent Gas	398,553	17,385	415,938
20	353 Lines	2,598,945	23,159	2,622,104
21	354 Compressor Station Equipment	2,668,518	24,859	2,693,377
22	355 Measuring & Regulating Equipment	2,845,289	33,974	2,879,263
23	356 Purification Equipment	265,783	8,430	274,213
24	357 Other Equipment	56,246	1,756	58,002
25	Total Underground Storage Plant	\$23,733,487	(\$847,136)	\$22,886,351
OTHER STORAGE EQUIPMENT				
26	360 Land & Land Rights	\$0	0	\$0
27	361 Structures & Improvements	107,233	0	107,233
28	362 Gas Holders	5,316,393	(0)	5,316,393
29	363.3 Compressor Equipment	338,616	(0)	338,616
30	Total Other Storage Equipment	\$5,762,242	(\$0)	\$5,762,242
TRANSMISSION PLANT				
31	365.2 Rights of Way - Transmission	\$0	\$0	\$0
32	367 Mains - Transmission	1,908,227	17,856	1,926,083
33	371 Other Equipment - Transmission	0	113	113
34	Total Transmission Plant	\$1,908,227	\$17,969	\$1,926,196
DISTRIBUTION PLANT				
34	374 Land & Land Rights	\$19,361	(\$0)	\$19,361
	374.2 Land Rights	\$0	0	\$0
35	375.1 Str & Imp - District Meas & Reg	302,363	18,341	320,704
36	375.2 Str & Imp - Service Centers	4,875,665	251,059	5,126,724
	375.21 Str & Imp - Leased Property	73,827	12,650	86,477
	375.3 Str & Imp - Garage	240,110	4,933	245,043
	375.7 Struct & Impr - MoNat	69,048	1,059	70,107
37	376.1 Mains - Steel	142,994,034	1,214,495	144,208,529
38	376.2 Mains - Cast Iron	(6,472,946)	(534,530)	(7,007,476)
39	376.3 Mains - Plastic	100,638,284	4,862,485	105,500,769
40	378 Meas. & Reg. Station - General	711,002	(96,464)	614,538
41	379 Meas. & Reg. Station - City Gate	1,354,724	68,344	1,423,068
42	380.1 Services - Steel	35,362,739	419,214	35,781,953
43	380.2 Services - Plastic	285,759,208	8,494,847	294,254,055
44	381 Meters	36,982,460	(1,967,882)	35,014,578
	381 Smart Meters	0	146,023	146,023
	382.1 Smart Meter Installations	0	37,541	37,541
45	383 House Regulators	13,432,884	346,433	13,779,317
46	385 Commercial & Ind Meas & Reg Eq	7,355,285	163,377	7,518,662
47	386 Other Property - Customer Premises	173,661	821	174,482
48	387 Other Equipment	361,149	6,322	367,471
49	Total Distribution Plant	\$624,232,858	\$13,449,068	\$637,681,926
GENERAL PLANT				
50	389 Land	\$0	\$0	\$0
51	390.2 LH Improvements 700 Market	821,204	348,580	1,169,784
	390.3 Structures - Leased - St. Charles	21,526	1,197	22,723
	390.7 Structures - Gen Plant - Monat	31,342	1,967	33,309
	390.71 Structures - Leased - Monat	79,175	9,853	89,028
	390.81 Structures - Leased - Franklin County	42,735	14,245	56,980
52	391 Furniture & Fixtures	0	102,759	102,759
53	391.1 Data Processing Systems	17,807,360	1,804,806	19,612,166
54	391.2 Mechanical Office Equipment	0	17,935	17,935
55	391.3 Data Processing Software	10,399,755	920,587	11,320,342
56	391.4 Data Processing Systems	0	34,068	34,068
57	391.5 Enterprise Software-EIMS	34,338,610	5,014,799	39,353,409
59	391.95 Ent Software SS Alloc	3,027,739	1,038,447	4,066,186
	392 Transportation - Sp Trucks	0	0	0
58	392.1 Transportation Eq - Automobiles	3,575,499	328,060	3,903,559
59	392.2 Transportation Eq - Trucks	12,148,423	1,492,042	13,640,465
60	393 Stores Equipment	257,657	(5,910)	251,747
61	394 Tools, Shop & Garage Equipment	5,202,914	190,163	5,393,077
	394.5 Equip CNG Fuel Station	180,947	26,778	207,725
62	395 Laboratory Equipment	180,873	6,688	187,561
63	396 Power Operated Equipment	10,707,155	1,437,066	12,144,221
	396.1 Power Operated Equipment - Trucks	7,364,922	528,239	7,893,161
64	397.0 Communication Equipment	1,321,624	315,092	1,636,716
	397.1 Communication Equipment - AMR	8,787,087	1,292,995	10,080,082
65	398 Miscellaneous Equipment	315,490	60,396	375,886
66	Total General Plant	\$116,612,037	\$14,980,850	\$131,592,887
67	Total Plant Depreciation Reserve	\$780,374,419	\$27,375,302	\$807,749,719
68				
69	Retirement Work in Progress (RWIP)	(6,063,722)	0	(6,063,722)
70	Net Plant In Service	\$774,310,695	\$27,375,302	\$801,685,997

**Spire Missouri East
Summary of Cost of Capital
December 31, 2021**

Line No.	Description	Ratio	Cost Rate	Composite Rate	Pre-Tax
	(a)	(b)	(c)	(d)	(e)
1	Long-Term Debt	45.000%	3.990%	1.796%	1.796%
2	Short-Term Debt	0.000%	0.000%	0.000%	
3	Preferred Stock	0.000%	0.000%	0.000%	
4	Common Equity	<u>55.000%</u>	10.500%	<u>5.775%</u>	<u>7.583%</u>
5	Total	<u><u>100.000%</u></u>		<u><u>7.571%</u></u>	<u><u>9.379%</u></u>

Spire Missouri East
Twelve Months Ending December 31, 2021
Distribution of Revenue and Expense Adjustments by Type

Line No.	Description (b)	Staff EMS Run 11/12/2021 (c)	Total Adjustments (d)	Test Year As Adjusted (e)
1	TOTAL OPERATING REVENUE	\$354,819,519	\$22,027,931	\$376,847,450
2	TOTAL GAS SUPPLY EXPENSES	(139,431)	0	(\$139,431)
3	TOTAL NATURAL GAS STORAGE EXPENSE	3,597,086	79,462	\$3,676,548
4	TOTAL TRANSMISSION EXPENSES	0	0	\$0
5	TOTAL PRODUCTION EXPENSES	1,375,882	8,650	\$1,384,532
6	TOTAL DISTRIBUTION EXPENSES	61,646,810	3,502,579	\$65,149,389
7	TOTAL CUSTOMER ACCOUNTS EXPENSES	23,616,687	904,983	\$24,521,670
8	TOTAL CUSTOMER SERVICE & INFO EXPENSES	3,754,240	320,703	\$4,074,943
9	TOTAL SALES EXPENSES	1,438,031	9,622	\$1,447,653
10	TOTAL ADMIN & GENERAL EXPENSES	59,197,936	12,993,665	\$72,191,601
11	TOTAL DEPRECIATION	75,354,833	719,307	\$76,074,140
12	TOTAL AMORTIZATION	8,123,119	8,416,336	\$16,539,455
13	TOTAL OTHER OPERATING EXPENSES	29,647,199	684,774	\$30,331,973
14	TOTAL OPERATING EXPENSE	267,612,392	27,640,081	295,252,473
15	NET INCOME BEFORE TAXES	87,207,127	(5,612,150)	81,594,977
16	TOTAL INCOME TAXES	13,354,471	(6,167,831)	\$7,186,640
17	TOTAL DEFERRED INCOME TAXES	(13,389,383)	\$5,574,614	(\$7,814,769)
	Note: per book & adjusted income tax computed on A-2			
18	NET OPERATING INCOME	\$87,242,039	(5,018,933)	\$82,223,106
1	Operating Revenue Increase from GR-2021-0108	Acct 480-489	22,027,931	
Overhead Adjustments				
6	Engineering & Operations Department Overhead Rate Adjustment	880	1,233,878	
9	New Growth Overhead Adjustment	911	(23,571)	
10	A&G Overhead Adjustment	922	9,990,795	
10	Insurance Capitalization adjustment	925	(1,089,786)	
10	Benefits Overhead Adjustment	926	3,093,032	
10	Director's Expense	930	198,543	
13	Payroll Taxes - Overhead Adjustments		592,404	
Payroll Adjustments				
3	Natural Gas Storage Payroll Adjustment		79,462	
5	Production Payroll Adjustment		8,650	
6	Distribution Payroll Adjustment		1,721,301	
7	Customer Accounts Payroll Adjustment		160,427	
8	Customer Service Payroll Adjustment		9,936	
9	Sales Payroll Adjustment		33,193	
10	Admin and General Payroll Adjustment		801,081	
13	Payroll Taxes - Salary Adjustments		158,946	
7	Third Party Contractor Rate Change		744,556	
Other Adjustments				
6	Meter Capitalization Adjustment	878	547,400	
11	Depreciation Expense for Plant Increase	403	719,307	
8	Customer Program Amortization Update	908	310,767	
12	Amortization Expense Reg Assets & Plant	404	8,416,336	
13	Property Tax Amortization		892,627	
13	Property Tax for 2021 Payment		(959,202)	
	Income Tax		(593,217)	
	Total Adjustments to Net Operating Income		(5,018,933)	

**Spire Missouri East
Twelve Months Ending December 31, 2021**

Distribution of Revenue and Expense Adjustments by Account No.

Line No.	Main Acct.	Description	Staff EMS Run 11/12/2021	Total Adjustments	Test Year As Adjusted
	(a)	(b)	(c)	(d)	(e)
OPERATING REVENUE					
1	480	Residential	\$276,171,874	\$18,237,269	\$294,409,143
2	481	Small General Service	29,185,361	2,017,734	31,203,095
3	481	Large General Services	26,954,134	2,288,401	29,242,535
	481	Large Volume Service	1,005,525	66,457	1,071,982
4	481	Unmetered Gas Light	42,762	2,828	45,590
5	481	Other Gas Revenue	582,003	(568,768)	13,235
6	487	Late Payment Charges	4,927,568		4,927,568
7	489	Transport	14,901,772	(15,990)	14,885,782
	492	Incidental Gasoline and Oil Sales	236,141		236,141
	493	Rent From Gas Property	12,379		12,379
8	495	Other Revenue	800,000		800,000
9		Total Operating Revenue	<u>\$354,819,519</u>	<u>\$22,027,931</u>	<u>\$376,847,450</u>
OPERATING & MAINTENANCE EXPENSE					
Manufactured Gas Production Expense					
10	710	Operation Supervisor & Engineering	\$6,555		\$6,555
11	712	Other Power Expenses	0		0
12	717	Liquefied Petroleum Gas Expenses	3,161		3,161
13	723	Fuel for Liquefied Petroleum Gas Process	672		672
14	728	Liquefied Petroleum Gas	1,085,220		1,085,220
15	735	Miscellaneous Production Expenses	128,759		128,759
16	740	Maintenance Supervision & Engineering	(304)		(304)
17	741	Maintenance of Structures & Improvements	23,659		23,659
18	742	Maintenance of Production Equipment	128,160		128,160
19		Total Manufactured Gas Production Expense	<u>\$1,375,882</u>	<u>\$0</u>	<u>\$1,375,882</u>
Purchased Gas Expense					
20	804	Purchased Gas Expense	(\$5,160,030)		(\$5,160,030)
21	808.1	Gas Withdrawn From Storage - Debit	5,155,905		5,155,905
22	810	Gas Used for Compressor Station Fuel - Credit	(1,398)		(1,398)
23	812	Gas Used for Other Utility Operations - Credit	(133,908)		(133,908)
24		Total Purchased Gas Expense	<u>(\$139,431)</u>	<u>\$0</u>	<u>(\$139,431)</u>
Natural Gas Storage Expenses					
25	814	Operation Supervisor & Engineering	\$405,404		\$405,404
26	815	Maps and Records	23,078		23,078
27	816	Wells Expenses	471,586		471,586
28	817	Line Expenses	57,309		57,309
29	818	Compressor Station Expenses	253,812		253,812
30	819	Compressor Station Fuel & Power	1,398		1,398
31	820	Measuring & Regulating Station Expenses	376,815		376,815
32	821	Purification Expenses	37,955		37,955
33	823	Gas Losses	4,126		4,126
34	824	Other Expenses	278,233		278,233
35	825	Storage Well Royalties	98,094		98,094
36	830	Maintenance Supervision & Engineering	29,729		29,729
37	831	Maintenance of Structures & Improvements	203,126		203,126
38	832	Maintenance of Reservoirs & Wells	505,768		505,768
39	833	Maintenance of Lines	123,126		123,126
40	834	Maintenance of Compressor Station Equipment	104,348		104,348
41	835	Maint of Measuring & Regulating Station Exp	169,773		169,773
42	836	Maintenance of Purification Equipment	22,202		22,202
43	837	Maintenance of Other Equipment	313,711		313,711
44	840	Operation Supervisor & Engineering	(477)		(477)
45	841	Operation Labor & Expenses	9,903		9,903
46	842.1	Fuel	14,387		14,387
47	843.2	Maintenance of Structures & Improvements	93,680		93,680
49		Total Natural Gas Storage Expenses	<u>\$3,597,086</u>	<u>\$0</u>	<u>\$3,597,086</u>
Distribution Operation Expense					
50	870	Operation, Supervision and Engineering	\$4,036,874		4,036,874
51	871	Distribution and Load Dispatching	520,543		520,543
52	874	Mains and Service Expenses	12,960,772		12,960,772
53	875	Distributing Regulating Station Expenses	1,009,129		1,009,129
54	876	Measuring and Regulating Station Exp-Industrial	3,722		3,722
55	877	Measuring and Regulating Station Exp-City Gate	28,613		28,613
56	878	Meter and House Regulator Expenses	16,589,995	547,400	17,137,395

**Spire Missouri East
Twelve Months Ending December 31, 2021**

Distribution of Revenue and Expense Adjustments by Account No.

Line No.	Main Acct.	Description	Staff EMS Run 11/12/2021	Total Adjustments	Test Year As Adjusted
	(a)	(b)	(c)	(d)	(e)
57	879	Customer Installation Expenses	3,225,212		3,225,212
58	880	Other Expenses	1,673,050	1,233,878	2,906,928
59	881	Rents	0		0
60		Total Operation Expense	<u>\$40,047,910</u>	<u>\$1,781,278</u>	<u>\$41,829,188</u>
Distribution Maintenance Expense					
61	885	Maintenance Supervision and Engineering	\$1,882,781		\$1,882,781
62	886	Maintenance of Structures and Improvements	779,326		779,326
63	887	Maintenance of Mains	10,836,834		10,836,834
64	889	Maint. of Measuring and Regulating Eq-General	662,154		662,154
65	890	Maint. of Measuring and Regulating Eq-Industrial	272,276		272,276
66	891	Maint. of Measuring and Regulating Eq-City Gate	5,540		5,540
67	892	Maintenance of Services	6,355,627		6,355,627
68	893	Maintenance of Meters and House Regulators	688,921		688,921
69	894	Maintenance of Other Equipment	115,441		115,441
70		Total Maintenance Expenses	<u>\$21,598,900</u>	<u>\$0</u>	<u>\$21,598,900</u>
71		Total Distribution Expense	<u>\$61,646,810</u>	<u>\$1,781,278</u>	<u>\$63,428,088</u>
Customer Accounts Expense					
72	901	Supervision	\$0		\$0
73	902	Meter Reading Expense	2,592,195		2,592,195
74	903	Customer Records and Collection Expense	14,522,452	744,556	15,267,008
75	904	Uncollectible Accounts	6,377,984		6,377,984
76	905	Miscellaneous Customer Accounts Expense	124,056		124,056
77		Total Customer Accounts Expenses	<u>\$23,616,687</u>	<u>\$744,556</u>	<u>\$24,361,243</u>
Customer Service and Informational Expense					
78	907	Supervision	\$0		\$0
79	908	Customer Assistance	3,694,057	310,767	4,004,824
80	909	Informational and Instructional Advertising Exp.	60,183		60,183
81		Total Cust. Service and Information Exp.	<u>\$3,754,240</u>	<u>\$310,767</u>	<u>\$4,065,007</u>
Sales and Advertising Expense					
82	911	Supervision	\$802,778	(\$23,571)	\$779,207
83	912	Demonstrating and Selling Expenses	634,783		634,783
84	913	Advertising Expenses	470		470
85	916	Miscellaneous Sales Expenses	0		0
86		Total Sales and Advertising Expenses	<u>\$1,438,031</u>	<u>(\$23,571)</u>	<u>\$1,414,460</u>
Administrative and General Expense					
87	920	Administrative and General Salaries	\$19,536,939		\$19,536,939
88	921	Office Supplies and Expenses	12,118,573		12,118,573
	921	Office Supplies & Expenses - Non Alloc	(5,768,168)		(5,768,168)
89	922	Administrative Expenses Transferrec	(16,901,755)	9,990,795	(6,910,960)
90	923	Outside Services Employed	10,864,625		10,864,625
91	924	Property Insurance	907,274		907,274
92	925	Injuries and Damages	7,295,865	(1,089,786)	6,206,079
93	926	Employee Pensions and Benefits	25,588,362	3,093,032	28,681,394
94	928	Regulatory Commission Expense	2,193,457		2,193,457
95	930	Miscellaneous General Expenses	1,391,037	198,543	1,589,580
96	931	Rents	1,645,990		1,645,990
97	932	Maintenance of General Plant	325,737		325,737
98		Total Administration and General Expense	<u>\$59,197,936</u>	<u>\$12,192,584</u>	<u>\$71,390,520</u>
99		Payroll Adjustment		2,814,050	2,814,050
100		Total O & M Expense	<u>\$154,487,241</u>	<u>\$17,819,663</u>	<u>\$172,306,904</u>
101	403	Depreciation	75,354,833	719,307	76,074,140
102	404, 405	Amortization	8,123,119	8,416,336	16,539,455
103	431	Interest on Customer Deposits	89,429		89,429
104	408	Payroll Taxes (1****)	5,631,599	751,350	6,382,949
105	408	Property Taxes (2****)	23,575,142	(66,576)	23,508,566
106	408	Gross Receipts Tax (3300 + 4000)	0		0
107	408	Stipulation & Agreement	351,029		351,029

**Spire Missouri East
Twelve Months Ending December 31, 2021**

Distribution of Revenue and Expense Adjustments by Account No.

Line No.	Main Acct. (a)	Description (b)	Staff EMS Run 11/12/2021 (c)	Total Adjustments (d)	Test Year As Adjusted (e)
108	408	Taxes Other Than Income	<u>\$29,557,770</u>	<u>\$684,774</u>	<u>\$30,242,544</u>
109		TOTAL EXPENSES	<u>\$267,612,392</u>	<u>\$27,640,080</u>	<u>\$295,252,472</u>
110		OPERATING INCOME BEFORE INCOME TAX	<u>\$87,207,127</u>	<u>(\$5,612,149)</u>	<u>\$81,594,978</u>
111	409,410	Income Taxes	13,354,471	(6,167,831)	7,186,640
		Excess ADIT Amortization	(13,389,383)	5,574,614	(7,814,769)
		Note: per book & adjusted income tax computed on A-2			
112		NET OPERATING INCOME	<u>\$87,242,039</u>	<u>(\$5,018,932)</u>	<u>\$82,223,107</u>

**Missouri East
Wage & Salary Adjustment
GR-2022-0179**

		MO East	
		Dollars	O&M %
Spire East			
Test Year Payroll O&M Payroll		75,221,053	
12 Month Normalized Payroll		<u>77,867,060</u>	<u>53.60%</u>
		2,646,007	0.54
Regular Payroll Adjustment		2,646,007	
Overtime Payroll Adjustment (incl above)		0	
Employee Level Adjustment (Reg & OT)		0	
AIP Adjustment		<u>0</u>	
Total Wage & Salary Adjustment		<u>2,646,007</u>	<u>54%</u>
Payroll Adj. excl. overtime and AIP		2,646,007	
401K Match Adjustment		<u>132,300</u>	
Payroll Taxes			
FICA Adjustment		158,760	
Unemployment Tax Adjustment		185	
Total Payroll Taxes Adjustment		<u>158,946</u>	
Insurance Costs			
Life Insurance (per \$1000)	\$ 0.2190	6,954	
AD&D (per \$1000)	\$ 0.0100	318	
LTD (per \$1000)	\$ 0.8950	28,418	
LTD/STD/FMLA Admin Fees (per person)	\$ 8.21	<u>53</u>	
		<u>35,742</u>	
		EMS Payroll	
		Amounts	Percent
NATURAL GAS STORAGE EXP		2,097,657	0 75,678 3,784
PRODUCTION EXPENSES		228,348	0 8,238 412
DISTRIBUTION EXPENSES		45,439,391	1 1,639,333 81,967
CUSTOMER ACCOUNTS EXP		4,235,016	0 152,788 7,639
TOTAL CUSTOMER ACCOUNTS EXPENSES		4,235,016	0
TOTAL CUSTOMER SERVICE & INFO EXPENSES		262,291	0
TOTAL SALES EXPENSES		876,218	0
CUSTOMER SERVICE & INFO EXP		262,291	0 9,463 473
TOTAL SALES EXPENSES		876,218	0 31,612 1,581
ADMIN & GENERAL EXP		20,203,610	0 728,894 36,445
Total Payroll		78,716,056	2,646,006 132,301

**Spire Missouri East
Twelve Months Ending December 31, 2021**

Depreciation Expense

Line No.	Description	Amount	Current Depreciation Rate	Annualized Depreciation	Proposed Rate	Proforma Depreciation Expense
	(a)	(b)	(c)	(d)	(e)	(f)
<u>INTANGIBLE PLANT</u>						
1	301 Organization	\$2,501	0.00%	\$0	0.00%	\$0
2	302 Franchises	8,484	0.00%	0	0.00%	0
3	Total Intangible Plant	<u>\$10,986</u>		<u>\$0</u>		<u>\$0</u>
<u>PRODUCTION PLANT</u>						
4	304 Land & Land Rights-Mfg Gas	\$119,929	0.00%			
5	305 Structures & Improvements-Mfg Gas	1,537,465	1.77%	\$27,213	1.77%	\$27,213
6	307 Other Power Equipment	33,139	1.91%	633	1.91%	633
7	311 Propane Equipment-Gas Ops	2,899,589	2.62%	75,969	2.62%	75,969
8	311.1 Propane Storage Cavern-Gas Ops	4,827,936	1.40%	67,591	1.40%	67,591
9	Total Production Plant	<u>\$9,418,059</u>		<u>\$171,406</u>		<u>\$171,406</u>
<u>UNDERGROUND STORAGE PLANT</u>						
10	350.1 Land	\$1,201,600	0.00%	0	0.00%	
11	350.2 Rights of Way	778,418	1.25%	9,730	1.25%	9,730
12	351.2 Compression Station Structure	830,420	2.00%	16,608	2.00%	16,608
13	351.4 Other Structures	1,093,321	2.00%	21,866	2.00%	21,866
14	352 Wells	8,738,703	1.22%	106,612	1.22%	106,612
15	352.1 Storage Leaseholds & Rights	2,126,882	1.11%	23,608	1.11%	23,608
16	352.2 Reservoirs	245,023	1.11%	2,720	1.11%	2,720
17	352.3 Non-Recoverable Natural Gas	9,320,818	1.11%	103,461	1.11%	103,461
18	352.4 Wells - Oil & Vent Gas	2,288,319	2.18%	49,885	2.18%	49,885
19	353 Lines	3,238,918	1.56%	50,527	1.56%	50,527
20	354 Compressor Station Equipment	3,200,742	2.00%	64,015	2.00%	64,015
21	355 Measuring & Regulating Equipment	3,245,708	1.91%	61,993	1.91%	61,993
22	356 Purification Equipment	610,825	2.20%	13,438	2.20%	13,438
23	357 Other Equipment	66,896	4.20%	2,810	4.20%	2,810
24	Total Underground Storage Plant	<u>\$36,986,592</u>		<u>\$527,275</u>		<u>\$527,275</u>
<u>OTHER STORAGE EQUIPMENT</u>						
25	360 Land & Land Rights	\$50,654	0.00%	0	0.00%	
26	361 Structures & Improvements	107,233	0.00%	0	0.00%	
27	362 Gas Holders	34,530	0.00%	0	0.00%	
28	363.3 Compressor Equipment	338,616	0.00%	0	0.00%	
29	Total Other Storage Equipment	<u>\$531,032</u>		<u>\$0</u>		<u>\$0</u>
<u>TRANSMISSION PLANT</u>						
30	365.2 Rights of Way - Transmission	\$41,153	0.00%	0		
31	367 Mains - Transmission	2,013,840	2.00%	40,277	2.00%	40,277
32	371 Other Equipment - Transmission	9,654	2.10%	203	2.10%	203
33	Total Distribution Plant	<u>\$2,064,647</u>		<u>\$40,480</u>		<u>\$40,480</u>
<u>DISTRIBUTION PLANT</u>						
34	374 Land & Land Rights	\$4,899,973	0.00%	0	0.00%	
35	375.1 Str & Imp - District Meas & Reg	1,078,927	2.40%	25,894	2.40%	25,894
36	375.2 Str & Imp - Service Centers	17,676,318	2.40%	424,232	2.40%	424,232
37	375.3 Str & Imp - Garage	93,449	2.40%	2,243	2.40%	2,243
38	375.4 Str & Imp - Other Small Structures	290,197	2.40%	6,965	2.40%	6,965
39	375.7 Struct & Impr - MoNat	69,048	2.40%	1,657	2.40%	1,657
40	376.1 Mains - Steel	252,743,154	2.00%	5,054,863	2.00%	5,054,863
41	376.2 Mains - Cast Iron	31,992,667	12.35%	3,951,094	12.35%	3,951,094
42	376.3 Mains - Plastic & Copper	752,990,617	1.87%	14,080,925	1.87%	14,080,925
43	378 Meas. & Reg. Station - General	13,095,564	3.11%	407,272	3.11%	407,272
44	379 Meas. & Reg. Station - City Gate	3,291,435	2.66%	87,552	2.66%	87,552
45	380.1 Services - Steel	39,838,494	4.50%	1,792,732	4.50%	1,792,732

Spire Missouri East
Twelve Months Ending December 31, 2021

Depreciation Expense

Line No.	Description	Amount	Current Depreciation Rate	Annualized Depreciation	Proposed Rate	Proforma Depreciation Expense
	(a)	(b)	(c)	(d)	(e)	(f)
46	380.2 Services - Plastic	907,803,211	3.96%	35,949,007	3.96%	35,949,007
47	381 Meters	148,005,973	2.77%	4,099,765	2.77%	4,099,765
	381.1 Smart Meters	12,082,269	5.00%	604,113	5.00%	604,113
	382.1 Smart Meter Installations	3,029,308	5.00%	151,465	5.00%	151,465
48	383 House Regulators	30,227,143	2.00%	604,543	2.00%	604,543
49	385 Commercial & Ind Meas & Reg Eq	19,144,843	2.44%	467,134	2.44%	467,134
50	386 Other Property - Customer Premises	22,975	2.73%	627	2.73%	627
51	387 Other Equipment	406,070	2.20%	8,934	2.20%	8,934
52	Total Distribution Plant	<u>\$2,238,781,633</u>		<u>\$67,721,018</u>		<u>\$67,721,018</u>
<u>GENERAL PLANT</u>						
53	389 Land	\$0	0.00%		0.00%	
54	390 Struct & Improv - Leased Property	3,290,510	(see adj. H-12)		(see adj. H-12)	
	390.7 Structures	162,274	2.73%	4,430	2.73%	4,430
55	391 Furniture & Fixtures	5,213,731	4.71%	245,567	4.71%	245,567
56	391.1 Data Processing Systems	18,260,147	5.47%	998,830	5.47%	998,830
57	391.2 Mechanical Office Equipment	296,945	12.12%	35,990	12.12%	35,990
58	391.3 Data Processing Software	15,150,434	(see adj. H-12)		(see adj. H-12)	
59	391.4 Data Processing Systems	584,933	9.89%	57,850	9.89%	57,850
60	391.5 Enterprise Software-EIMS	63,220,541	(see adj. H-12)		(see adj. H-12)	
63	391.95 Ent Software - EIMS	31,682,739	(see adj. H-12)		(see adj. H-12)	
	392.00 Transportation Eq - Sp Trucks	0	0.00%	0	0.00%	0
61	392.1 Transportation Eq - Automobiles	5,313,178	10.00%	531,318	10.00%	531,318
62	392.2 Transportation Eq - Trucks	36,641,744	7.69%	2,817,750	7.69%	2,817,750
63	393 Stores Equipment	318,763	2.16%	6,885	2.16%	6,885
64	394 Tools, Shop & Garage Equipment	29,336,857	3.62%	1,061,994	3.62%	1,061,994
	394.5 Equip CNG Fuel Station	1,656,366	3.62%	59,960	3.62%	59,960
65	395 Laboratory Equipment	320,500	3.62%	11,602	3.62%	11,602
66	396 Power Operated Equipment	43,257,764	6.07%	2,625,746	6.07%	2,625,746
	396.1 Power Operated Equipment - Trucks	21,240,011	6.07%	1,289,269	6.07%	1,289,269
67	397.0 Communication Equipment	10,555,565	5.81%	613,278	5.81%	613,278
	397.1 Communication Equipment - AMR	16,624,220	13.33%	2,216,009	13.33%	2,216,009
68	398 Miscellaneous Equipment	4,014,268	4.58%	183,853	4.58%	183,853
69	Total General Plant	<u>\$307,141,490</u>		<u>\$12,760,332</u>		<u>\$12,760,332</u>
70	Total Original Cost Plant in Service	\$2,594,934,438		\$81,220,510		\$81,220,510
73	Less: Depreciation Charged to Clearing			(\$5,146,370)		(\$5,146,370)
74	Less Test Year Depreciation Expense					(\$75,354,833)
75	Adjustment to Test Year - Acct. 403					<u>\$719,307</u>

Spire Missouri East
Twelve Months Ending December 31, 2021

Amortization Expense

Line No.	Description	Original Cost Plant	Monthly Test Year Amortization Expense	Proforma Amortization Expense	Acct No.
	(a)	(b)	(c)	(d)	(e)
1	Storage Leaseholds & Rights				404.2
2	(390) Struct & Improv - Leased Property	3,290,510	27,604	331,243	404.3
3	(391.3) Data Processing Software	15,150,434	124,865	1,498,378	404.3
4	(391.5) Enterprise Software-EIMS	63,220,541	368,786	4,425,438	404.3
	(391.95) -Ent Software SS Alloc	31,682,739	184,816	2,217,792	
5	Sub Total	<u>\$113,344,224</u>	<u>\$706,071</u>	<u>\$8,472,850</u>	
		Unamortized Balance	Mo Amort Amt	Proforma Amortization	
6	Forest Park Property Sale	<u>(\$3,615,000)</u>	<u>(\$60,250)</u>	<u>(\$723,000)</u>	404.3
7	GU-2020-0376 Regulatory Asset at 12/31/2020	\$196,462.31	\$3,274	\$39,292	404.3
8	GU-2020-0376 - Lost Disconnect/Late Payment Fees	\$2,158,280.96	\$35,971	\$431,656	404.3
9	Overhead Regulatory Asset	\$16,400,000	\$683,333	\$8,200,000	404.3
10	Total Amortization			\$16,539,455	
11	Less Test Year Amortization			<u>(8,123,119)</u>	
12	Adjustment to Test Year Account 404			<u>8,416,336</u>	
	Proposed Amortization of smaller balances remaining from last case:	619,833			
	Adjustment: To reflect amortization through 6/30	<u>(263,866)</u>			
	June 30 Balance	355,967	9,888	118,656	
		Unamortized Balance	Mo Amort Amt	Proforma Amortization	
13	Deferred Energy Efficiency and Low Income Program Costs	<u>\$25,674,782</u>	213,957	\$2,567,478	
	Deferred Energy Efficiency Cost Balance				
	COVID Charged to Energy Efficiency account		0	\$0	
14	Energy Affordability Program	\$2,632,866	21,941	\$263,287	
15	Red Tag Program	\$197,259	4,110	\$49,315	
16	Pro-Forma Amortization Expense			\$2,880,080	908.0
17	Less Test Year Amortization Expense			<u>(2,569,313)</u>	
18	Adjustment to Test Year - Accts. 908			<u>\$310,767</u>	
19	Missouri Propert Tax (GR-2021-0108)	\$5,818,098	\$96,968	\$1,163,620	
	Missouri Propert Tax Remaining Balance	\$4,463,133	\$74,386	<u>\$892,627</u>	
				\$2,056,246	408
	Overhead Regulatory Asset	2/28/22 Bal	Remainder FY		
	Capital (based on updated rates) - through Jun 2022	2,600,000	4,800,000	7,400,000	
	O&M (variance from previous Rates and new rates) - through Sep 2022	2,000,000	7,000,000	<u>9,000,000</u>	
				16,400,000	

Spire Missouri East
Twelve Months Ending December 31, 2021
Property Tax

Staff Accounting Schedule 09	MO East	MO West
408 - Property Taxes	23,575,142	21,350,151
Amortization Property Tax Tracker	1,163,620	716,428
Current Property Tax Expense	22,411,522	20,633,723
Final 2021 Tax Payment	21,452,320	23,115,692
Variance	(959,202)	2,481,969

Spire Missouri East
Twelve Months Ending December 31, 2021
Overhead Adjustment

	Staff Model Est			Adjustment Incr (Decr) Exp			Spire Model			Old		New	
	MOE	MOW	Total	MOE	MOW	Total	MOE	MOW	Total	MOE	MOW	MOE	MOW
Transfers 922	(10,287,925)	(7,145,691)	(17,433,615)	6,642,339	5,088,831	11,731,169	(3,645,586)	(2,056,860)	(5,702,446)	54.00%	66.50%	19.10%	19.10%
922.1	(6,613,831)	(4,445,270)	(11,059,101)	3,348,456	2,662,485	6,010,941	(3,265,374)	(1,782,785)	(5,048,160)	54.00%	66.50%	26.70%	26.70%
408	(917,539)	(517,582)	(1,435,121)	592,404	368,598	961,002	(325,135)	(148,984)	(474,119)	54.00%	66.50%	19.10%	19.10%
925 - Premiums	(5,777,019)	(3,889,993)	(9,667,012)	(148,686)	648,792	500,106	(5,925,705)	(3,241,201)	(9,166,906)	54.00%	66.50%	55.40%	55.40%
925 - WC Claims	-	-	-	(691,500)	(575,400)	(1,266,900)	(691,500)	(575,400)	(1,266,900)	0.00%	0.00%	56.00%	56.00%
925 - Non-WC Claims	-	-	-	(249,600)	(118,700)	(368,300)	(249,600)	(118,700)	(368,300)	0.00%	0.00%	69.00%	69.00%
930	(198,543)	(146,981)	(345,524)	198,543	146,981	345,524	-	-	-				
926	(31,486,817)	(8,730,752)	(40,217,569)	3,093,032	931,406	4,024,438	(28,393,784)	(7,799,346)	(36,193,131)	54.60%	46.90%	49.20%	41.90%
	(55,281,672)	(24,876,270)	(80,157,942)	12,784,987	9,152,993	21,937,980	(42,496,685)	(15,723,277)	(58,219,962)				
911-New Growth	(766,049)	(673,354)	(1,439,403)	(23,571)	(20,719)	(44,289)	(789,620)	(694,072)	(1,483,692)	65.00%	65.00%	67.00%	67.00%
880-Engineer Design	(1,567,585)	(1,481,537)	(3,049,122)	(195,948)	(185,192)	(381,140)	(1,763,533)	(1,666,729)	(3,430,262)	80.00%	80.00%	90.00%	90.00%
880-Ops Dept Clr	(1,429,826)	(583,828)	(2,013,654)	1,429,826	583,828	2,013,654	-	-	-				
	(3,763,460)	(2,738,719)	(6,502,179)	1,210,307	377,918	1,588,225	(2,553,153)	(2,360,801)	(4,913,954)				
	(59,045,132)	(27,614,989)	(86,660,121)	13,995,295	9,530,910	23,526,205	(45,049,838)	(18,084,078)	(63,133,916)				

**Spire Missouri West
December 31, 2021
Revenue Deficiency**

Line No.	Description (a)	Ref. (b)	Staff EMS Run 11/12/2021	Spire 9/30/2022
1	Rate Base	B	\$1,266,099,351	\$1,578,719,973
2	Rate of Return	F	6.37%	7.571%
3	Required Return		\$80,650,529	\$119,524,889
4	Adjusted Test Year Net Operating Income	H Sum	42,436,144	60,162,478
5	Earnings Deficiency		\$38,214,385	\$59,362,411
6	Multiply by Income Tax Gross-up Factor		1.3130274	1.31305
7	Net Revenue Deficiency		\$50,176,535	\$77,945,526
8	Allowance for Known and Measurable Changes/ True-up Estimate			
9	Total Revenue Deficiency		\$50,176,535	\$77,945,526

**Spire Missouri West
December 31, 2021
Income Tax**

Line No.	Description (a)	Reference (b)	Per Books (c)	As Adjusted (d)
1	Total Operating Revenues	H	\$227,173,056	\$277,349,129
2	Total Operating Expenses	H	181,386,578	209,712,633
3	Net Operating Income	H	<u>\$45,786,478</u>	<u>\$67,636,496</u>
4	Flow Through Adjustments		(\$5,478,607)	(\$5,478,607)
5	Less: Interest on Long Term Debt		<u>(28,353,811)</u>	<u>(28,353,811)</u>
6	Total Tax Adjustments		<u>(\$33,832,418)</u>	<u>(\$33,832,418)</u>
7	Net Taxable Income		<u>\$11,954,060</u>	<u>\$33,804,078</u>
8	Income Tax		<u>\$2,849,986</u>	<u>\$8,059,283</u>

Income Tax Workpaper

Composite Debt Cost Rate	1.7960%		
Rate Base	\$1,578,719,973		
Interest on Long Term Debt	<u>\$28,353,811</u>		
Net Taxable Income	\$11,954,060		\$33,804,078
Effective Tax Rate	23.84%		23.84%
Income Tax	<u>\$2,849,986</u>		<u>\$8,059,283</u>

**Spire Missouri
Computation of Effective Tax Rate**

Effective Federal Tax Rate	(1)	20.24%	
Effective Missouri Tax Rate	(2)	3.60%	
Effective St. Louis City Tax Rate	(3)	0.00%	
Overall Effective Tax Rate		<u>23.8412%</u>	
Reciprocal		<u>76.1588% #</u>	
Tax rate divided by reciprocal		<u>31.3045% #</u>	

Federal

Total		100.00%	
Less: Effective Missouri Tax Rate (2)		-3.60%	
Less: Effective St. Louis City Rate (3)		0.00%	
Percentage subject to Federal Tax		<u>96.40%</u>	
Federal Tax Rate	x	21.00%	
Effective Federal Tax Rate	20.18%	<u>20.24%</u>	(1)

Missouri

Total		100.00%	
Less: Effective St. Louis City Rate(3)		0.00%	
Less: 1/2 Effective Federal Rate (1)		10.09%	
Percentage subject to Missouri Tax		<u>89.91%</u>	
Missouri Tax Rate	x	4.00%	
Effective Missouri Tax Rate		<u>3.60%</u>	(2)

St Louis City/Kansas City

Total STL tax rate		1.00%	
Apportionment*	x	32.84%	
Effective KC tax rate		<u>0.00%</u>	(3)

**Spire Missouri West
December 31, 2021
Rate Base**

Line No.	Description (a)	Reference (b)	Staff EMS Run 11/12/2021	Adjustments	9/30/2022 Amount (c)
1	Plant in Service	C	1,919,683,465	119,824,048	\$2,039,507,513
2	True Up Estimate	C	0	112,517,468	\$112,517,468
3	Gross Plant In Service		1,919,683,465	232,341,516	2,152,024,981
4	Less Accumulated Depreciation Reserve	D	562,647,994	16,127,017	\$578,775,011
5	Net Plant in Service		1,357,035,471	216,214,499	1,573,249,970
6	Add to Net Plant in Service				
7	Plant Held for Future Use		0	1,260,341	1,260,341
8	Cash Working Capital	B-1	1,933,393	0	1,933,393
9	Natural Gas Inventory	B-2	42,109,533	36,020,773	78,130,306
10	Propane Inventory		0	0	0
11	Materials and Supplies	B-3	10,053,582	(529,486)	9,524,096
12	Prepayments	B-4	3,905,789	597,906	4,503,695
13	Insulation Financing / Energy Wise		2,085,975	843,756	2,929,731
14	Energy Affordability		1,287,094	473,387	1,760,481
15	Prepaid Pension		(8,532,402)	1,490,845	(7,041,557)
16	OPEB		(943,550)	(149,696)	(1,093,246)
17	Energy Efficiency Program		20,523,307	1,459,177	21,982,484
18	Transition Costs		957,917	(609,584)	348,333
19	Overhead Deferral		0	11,725,000	11,725,000
20	Total Add to Net Plant in Service		73,380,638	52,582,418	125,963,056
21	Subtractions from Net Plant				
22	Tax Offset (Federal, State & City)	B-1	19,045,026	(19,045,026)	0
23	Interest Expense Offset		1,478,668	456,552	1,935,220
24	Customer Deposits	B-5	3,555,411	33,326	3,588,737
25	Customer Advances	B-6	2,946,875	123,752	3,070,627
26	Deferred Income Taxes - Other (Net of AMT)		95,410,570	(14,310,867)	81,099,703
27	GM-2013-0254 Stipulation & Agreement Rate Base Offset		26,623,431	(6,902,372)	19,721,059
28	Excess ADIT - TCJA		10,295,650	(4,179,070)	6,116,580
29	Excess ADIT - MO		4,961,127	0	4,961,127
30	Total Subtraction from Net Plant in Service		164,316,758	(43,823,705)	120,493,053
31	Total Rate Base		1,266,099,351	312,620,622	1,578,719,973

Spire Missouri West
Test Year Ended December 31, 2021
Summary of Cash Working Capital

Line #	Description (A)	Test Year Adj Expenses (B)	Revenue Lag (C)	Expense Lag (D)	Net Lag (E)	Factor (Col E / 365) (F)	CWC Req B x F (G)
1	Operation and Maint Expense						
2	Purchased Gas Costs	208,693,749	47.86	38.45	9.41	0.025781	5,380,334
3	Purchased Gas - back out	(208,693,749)	47.86	47.86	0.00	-	0
4	Payroll & Employee Withholdings	45,023,128	47.86	11.96	35.90	0.098356	4,428,295
5	Vacation - Union & non-union	1,858,983	47.86	182.50	(134.64)	(0.368877)	(685,736)
6	Pension & OPEB	3,067,389	47.86	69.38	(21.52)	(0.058959)	(180,850)
7	Employee Benefits	2,745,416	47.86	7.07	40.79	0.111753	306,808
8	Incentive Compensation	563,826	47.86	258.50	(210.64)	(0.577096)	(325,382)
9	Bad Debt	5,563,816	47.86	47.86	0.00	-	0
10	PSC Assessment	1,507,416	47.86	(32.75)	80.61	0.220849	332,911
11	Cash Vouchers	36,065,127	47.86	42.11	5.75	0.015753	568,134
12	Total Operation and Maint Expense	<u>96,395,101</u>					<u>9,824,514</u>
13	Taxes						
14	Payroll Taxes	3,383,599	47.86	11.96	35.90	0.098356	332,797
15	Federal & State SUTA	20,777	47.86	75.57	(27.71)	(0.075918)	(1,577)
16	Property Taxes	20,411,282	47.86	185.27	(137.41)	(0.376466)	(7,684,154)
17	Gross Receipts Taxes	26,887,416	30.48	42.21	(11.73)	(0.032137)	(864,081)
18	Use Tax	236,844	30.48	61.29	(30.81)	(0.084411)	(19,992)
19	Sales Tax	6,913,979	30.48	12.22	18.26	0.050027	345,886
20	Total Taxes	<u>57,853,897</u>					<u>(7,891,121)</u>
21	CWC before Rate Base Offsets						1,933,393
22	Offset from Rate Base						
23	Federal Tax Offset	18,613,716	47.86	47.86	0.00	-	0
24	State Tax Offset	3,305,412	47.86	47.86	0.00	-	0
25	City Tax Offset	0	47.86	38	9.86	0.027014	0
26	Interest Tax Offset	28,353,811	47.86	72.95	(25.09)	(0.068740)	(1,949,041)
27	Total Offset from Rate Base	<u>50,272,939</u>					<u>(1,949,041)</u>
28	Total Cash Working Capital Required						(15,648)

**Spire Missouri West
December 31, 2021
Gas Inventory - 13 Month Average**

Line No.	Month (a)	Dollars (b)
1	Dec-20	30,249,979
2	Jan-21	23,065,814
3	Feb-21	68,767,060
4	Mar-21	70,855,466
5	Apr-21	73,107,182
6	May-21	78,390,335
7	Jun-21	82,287,765
8	Jul-21	87,486,175
9	Aug-21	92,647,358
10	Sep-21	98,076,899
11	Oct-21	102,290,573
12	Nov-21	98,863,777
13	Dec-21	93,200,552
14	Total	<u>\$937,563,669</u>
15	Average	<u><u>\$78,130,306</u></u>

Spire Missouri West
December 31, 2021
Materials and Supplies

Line		
No.		
1	Dec-20	\$10,133,025.79
2	Jan-21	\$9,853,996.16
3	Feb-21	\$10,034,354.62
4	Mar-21	\$9,822,390.84
5	Apr-21	\$9,621,379.28
6	May-21	\$9,361,702.06
7	Jun-21	\$9,332,133.39
8	Jul-21	\$9,374,501.55
9	Aug-21	\$9,421,674.44
10	Sep-21	\$9,199,820.77
11	Oct-21	\$9,184,138.31
12	Nov-21	\$9,142,512.67
13	Dec-21	\$9,748,076.80
14	Total	\$114,289,155.39
15	Average	9,524,096

**Spire Missouri West
May 31, 2021
Prepayments**

1	Dec-20	3,541,203
2	Jan-21	3,361,288
3	Feb-21	2,647,105
4	Mar-21	2,735,853
5	Apr-21	7,497,168
6	May-21	6,727,042
7	Jun-21	5,953,151
8	Jul-21	5,581,644
9	Aug-21	4,824,870
10	Sep-21	4,088,049
11	Oct-21	4,129,149
12	Nov-21	3,399,502
13	Dec-21	2,657,827
14	Total	<u><u>\$54,044,337</u></u>
15	Average	<u><u>\$4,503,695</u></u>

**Spire Missouri West
December 31, 2021
Customer Deposits**

Line No.	Month (a)	Residential Amount (b)
1	Dec-20	3,887,675
2	Jan-21	3,787,129
3	Feb-21	3,738,085
4	Mar-21	3,622,330
5	Apr-21	3,544,919
6	May-21	3,555,411
7	Jun-21	3,537,063
8	Jul-21	3,499,393
9	Aug-21	3,480,866
10	Sep-21	3,491,484
11	Oct-21	3,560,430
12	Nov-21	3,540,519
13	Dec-21	<u>3,526,751</u>
14	Total	<u><u>\$43,064,842</u></u>
15	Average	<u><u>\$3,588,737</u></u>
16	Interest Rate	<u>4.25%</u>
17	Interest Expense	<u><u>(\$152,521)</u></u>

**Spire Missouri West
December 31, 2021
Customer Advances**

Line No.	Month	Amount
	(a)	(b)
1	Dec-20	3,013,882
2	Jan-21	3,020,938
3	Feb-21	2,920,714
4	Mar-21	2,938,725
5	Apr-21	2,957,075
6	May-21	2,946,875
7	Jun-21	3,327,040
8	Jul-21	3,382,695
9	Aug-21	3,514,825
10	Sep-21	2,952,047
11	Oct-21	2,952,047
12	Nov-21	2,952,047
13	Dec-21	2,951,103
14	Total	<u><u>\$36,847,521</u></u>
15	Average	<u><u>\$3,070,627</u></u>

**Spire Missouri West
Regulatory Assets
May 31, 2021**

Line No.	Year Ended	Balance
	(a)	(b)
1	Prepaid Pension	(7,041,557)
2	OPEB Asset	(1,093,246)
3	Energy Affordability Program	1,760,481
4	Energy Efficiency Program	21,982,484
5	Insulation/Energywise	2,929,731
6		
7	Total Regulatory Assets	<u>\$18,537,892</u>
	Prepaid Pension Tracker	(6,509,392)
	Contribution vs Recovery 6/1-12/31 Adjustment (Per GR-2021-0108 Stipulation)	<u>(532,165)</u> <u>(7,041,557)</u>

**Spire Missouri West
December 31, 2021
Plant in Service**

Line No.	Description a)	Plant Balance Staff EMS Run 11/12/2021	Plant Additions through 12/31/21 c)	Total As Adjusted d)
<u>INTANGIBLE PLANT</u>				
1	301 Organization	\$15,600	\$0	\$15,600
2	302 Franchises	13,823	(0)	13,823
3	303 MGE Website Enhancements	0	0	0
4	Total Intangible Plant	<u>\$29,423</u>	<u>\$0</u>	<u>\$29,423</u>
<u>PRODUCTION PLANT</u>				
5	304 Land & Land Rights-Mfg Gas	\$0	\$0	\$0
6	305 Structures & Improvements-Mfg Gas	0	\$0	0
7	307 Other Power Equipment	0	0	0
8	311 Propane Equipment-Gas Ops	0	0	0
9	311.1 Propane Storage Cavern-Gas Ops	0	0	0
10	Total Production Plant	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>UNDERGROUND STORAGE PLANT</u>				
11	350.1 Land	\$0	\$0	\$0
12	350.2 Rights of Way	0	0	0
13	351.2 Compression Station Structure	0	0	0
14	351.4 Other Structures	0	0	0
15	352 Wells	0	0	0
16	352.1 Storage Leaseholds & Rights	0	0	0
17	352.2 Reservoirs	0	0	0
18	352.3 Non-Recoverable Natural Gas	0	0	0
19	352.4 Wells - Oil & Vent Gas	0	0	0
20	353 Lines	0	0	0
21	354 Compressor Station Equipment	0	0	0
22	355 Measuring & Regulating Equipment	0	0	0
23	356 Purification Equipment	0	0	0
24	357 Other Equipment	0	0	0
25	Total Underground Storage Plant	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>OTHER STORAGE EQUIPMENT</u>				
26	360 Land & Land Rights	\$0	\$0	\$0
27	361 Structures & Improvements	0	0	0
28	362 Gas Holders	0	0	0
29	363.3 Compressor Equipment	0	0	0
30	Total Other Storage Equipment	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>TRANSMISSION PLANT</u>				
31	365.2 Rights of Way - Transmission	\$0	\$0	\$0
32	367 Mains - Transmission	0	0	0
33	371 Other Equipment - Transmission	0	0	0
34	Total Transmission Plant	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>DISTRIBUTION PLANT</u>				
34	374 Land & Land Rights	\$476,088	(\$0)	\$476,088
	374.2 Land Rights	4,172,764	12,069.83	\$4,184,834
35	375.1 Str & Imp - District Meas & Reg	16,388,754	4,367,228	20,755,982
36	375.2 Str & Imp - Service Centers	0	0	0
	375.21 Str & Imp - Leased Property	9,724	0	9,724
	375.3 Str & Imp - Garage	0	0	0
	375.7 Struct & Impr - MoNat	0	0	0
37	376.1 Mains - Steel	276,544,514	21,013,839	297,558,353
	376.101 Mains - Steel Transmission - MGE	12,704,983	(0)	12,704,983
38	376.2 Mains - Cast Iron	36,477,083	(43,244)	36,433,839
39	376.3 Mains - Plastic	668,606,941	49,020,374	717,627,315

**Spire Missouri West
December 31, 2021
Plant in Service**

Line No.	Description	Plant Balance Staff EMS Run 11/12/2021	Plant Additions through 12/31/21	Total As Adjusted
	a)		c)	d)
40	378 Meas. & Reg. Station - General	15,364,357	761,448	16,125,805
41	379 Meas. & Reg. Station - City Gate	6,358,461	94,025	6,452,486
42	380.1 Services - Steel	7,638,058	79,559	7,717,617
43	380.2 Services - Plastic	504,698,694	14,069,883	518,768,577
44	381 Meters	44,711,016	900,604	45,611,620
	381.1 Smart Meters	7,262,175	11,734,016	18,996,191
	382.0 Meters Installation - Dist Plant	103,879,164	2,177,779	106,056,943
	382.1 Smart Meter Installations	2,537,027	4,374,109	6,911,136
45	383 House Regulators	18,520,439	456,367	18,976,806
46	385 Commercial & Ind Meas & Reg Eq	2,832,808	(0)	2,832,808
47	386 Other Property - Customer Premises	0	0	0
48	387 Other Equipment	0	0	0
49	Total Distribution Plant	<u>\$1,729,183,050</u>	<u>\$109,018,055</u>	<u>\$1,838,201,105</u>
	<u>GENERAL PLANT</u>			
50	389 Land	\$1,058,065	\$0	\$1,058,065
51	390.2 LH Improvements 700 Market	1,499,326	0	1,499,326
	390.1 Structures - Leased - GO	878,378	0	878,378
	390.7 Structures - Gen Plant - Monat	0	0	0
	390.71 Structures - Leased - Monat	0	0	0
	390.81 Structures - Leased - Franklin County	0	0	0
52	391 Furniture & Fixtures	2,201,111	0	2,201,111
53	391.1 Data Processing Systems	5,926,412	0	5,926,412
54	391.2 Mechanical Office Equipment	0	0	0
55	391.3 Data Processing Software	0	0	0
56	391.4 Data Processing Systems	0	0	0
57	391.5 Enterprise Software-EIMS	59,590,944	0	59,590,944
59	391.95 Ent Software SS Alloc	14,015,881	9,004,052	23,019,933
	392 Transportation - Sp Trucks	0	0	0
58	392.1 Transportation Eq - Automobiles	5,232,999	(503,388)	4,729,611
59	392.2 Transportation Eq - Trucks	25,322,323	1,999,188	27,321,511
60	393 Stores Equipment	664,474	(0)	664,474
61	394 Tools, Shop & Garage Equipment	12,090,999	357,147	12,448,146
	394.5 Equip CNG Fuel Station	0	0	0
62	395 Laboratory Equipment	0	0	0
63	396 Power Operated Equipment	12,872,033	672,077	13,544,110
	396.1 Power Operated Equipment - Trucks	0	0	0
64	397.0 Communication Equipment	6,187,530	0	6,187,530
	397.1 Communication Equipment - AMR	41,090,402	(751,299)	40,339,103
65	398 Miscellaneous Equipment	1,840,115	28,216	1,868,331
66	Total General Plant	<u>\$190,470,992</u>	<u>\$10,805,992</u>	<u>\$201,276,984</u>
67	Total Original Cost Plant in Service	\$1,919,683,465	\$119,824,048	\$2,039,507,513
68	CWIP - Sept 2022	0	112,517,468	112,517,468
69	Accumulated Depreciation and Amortization	<u>(562,647,994)</u>	<u>(16,127,017)</u>	<u>(578,775,011)</u>
70	Net Plant In Service	<u>\$1,357,035,471</u>	<u>\$216,214,499</u>	<u>\$1,573,249,970</u>

**Spire Missouri East
December 31, 2021
Accumulated Depreciation Reserve**

Line No.	Description a)	Total Reserve Staff EMS Run 11/12/2021	Reserve Adjustments through 12/31/21 c)	Total As Adjusted d)
<u>INTANGIBLE PLANT</u>				
1	301 Organization	\$0	\$0	\$0
2	302 Franchises	0	0	0
3	303 MGE Website Enhancements	0	0	0
4	Total Intangible Plant	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>PRODUCTION PLANT</u>				
5	304 Land & Land Rights-Mfg Gas	\$0	\$0	\$0
6	305 Structures & Improvements-Mfg Gas	0	0	0
7	307 Other Power Equipment	0	0	0
8	311 Propane Equipment-Gas Ops	0	0	0
9	311.1 Propane Storage Cavern-Gas Ops	0	0	0
10	Total Production Plant	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>UNDERGROUND STORAGE PLANT</u>				
11	350.1 Land	\$0	\$0	\$0
12	350.2 Rights of Way	0	0	0
13	351.2 Compression Station Structure	0	0	0
14	351.4 Other Structures	0	0	0
15	352 Wells	0	0	0
16	352.1 Storage Leaseholds & Rights	0	0	0
17	352.2 Reservoirs	0	0	0
18	352.3 Non-Recoverable Natural Gas	0	0	0
19	352.4 Wells - Oil & Vent Gas	0	0	0
20	353 Lines	0	0	0
21	354 Compressor Station Equipment	0	0	0
22	355 Measuring & Regulating Equipment	0	0	0
23	356 Purification Equipment	0	0	0
24	357 Other Equipment	0	0	0
25	Total Underground Storage Plant	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>OTHER STORAGE EQUIPMENT</u>				
26	360 Land & Land Rights	\$0	0	\$0
27	361 Structures & Improvements	0	0	0
28	362 Gas Holders	0	0	0
29	363.3 Compressor Equipment	0	0	0
30	Total Other Storage Equipment	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>TRANSMISSION PLANT</u>				
31	365.2 Rights of Way - Transmission	\$0	\$0	\$0
32	367 Mains - Transmission	0	0	0
33	371 Other Equipment - Transmission	0	0	0
34	Total Transmission Plant	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>DISTRIBUTION PLANT</u>				
34	374 Land & Land Rights	\$0	\$0	\$0
	374.2 Land Rights	\$1,220,555	48,064	\$1,268,619
35	375.1 Str & Imp - District Meas & Reg	3,063,632	(3,063,632)	0
36	375.2 Str & Imp - Service Centers	0	3,271,468	3,271,468
	375.21 Str & Imp - Leased Property	9,724	0	9,724
	375.3 Str & Imp - Garage	0	0	0
	375.7 Struct & Impr - MoNat	0	0	0
37	376.1 Mains - Steel	93,215,706	(1,925,011)	91,290,695
	376.101 Mains - Steel Transmission - MGE	4,091,879	134,249	4,226,128
38	376.2 Mains - Cast Iron	4,411,534	(66,483)	4,345,051

**Spire Missouri East
December 31, 2021
Accumulated Depreciation Reserve**

Line No.	Description	Total Reserve Staff EMS Run 11/12/2021	Reserve Adjustments through 12/31/21	Total As Adjusted
	a)		c)	d)
39	376.3 Mains - Plastic	100,851,289	5,500,939	106,352,228
40	378 Meas. & Reg. Station - General	7,039,088	221,207	7,260,295
41	379 Meas. & Reg. Station - City Gate	2,298,858	97,709	2,396,567
42	380.1 Services - Steel	3,699,309	(85,829)	3,613,480
43	380.2 Services - Plastic	223,462,336	3,084,859	226,547,195
44	381 Meters	6,591,553	(275,282)	6,316,271
	381 Smart Meters	145,234	2,955,451	3,100,685
	382 Meters Installation - Dist Plant	48,455,225	1,653,846	50,109,071
	382.1 Smart Meter Installations	30,599	1,039,333	1,069,932
45	383 House Regulators	7,287,433	259,726	7,547,159
46	385 Commercial & Ind Meas & Reg Eq	550,334	52,926	603,260
47	386 Other Property - Customer Premises	0	0	0
48	387 Other Equipment	0	0	0
49	Total Distribution Plant	<u>\$506,424,288</u>	<u>\$12,903,539</u>	<u>\$519,327,827</u>
	GENERAL PLANT			
50	389 Land	\$0	\$0	\$0
51	390.2 LH Improvements 700 Market	333,249	0	333,249
	390.1 Structures - Leased - GO	334,987	(334,987)	0
	390.7 Structures - Gen Plant - Monat	0	346,340	346,340
	390.71 Structures - Leased - Monat	0	0	0
	390.81 Structures - Leased - Franklin County	0	0	0
52	391 Furniture & Fixtures	2,508,786	265,126	2,773,912
53	391.1 Data Processing Systems	0	0	0
54	391.2 Mechanical Office Equipment	0	0	0
55	391.3 Data Processing Software	1,132,528	135,779	1,268,307
56	391.4 Data Processing Systems	0	0	0
57	391.5 Enterprise Software-EIMS	27,130,073	0	27,130,073
59	391.95 Ent Software SS Alloc	2,113,129	722,066	2,835,195
	392 Transportation - Sp Trucks	0	0	0
58	392.1 Transportation Eq - Automobiles	4,179,447	(351,163)	3,828,284
59	392.2 Transportation Eq - Trucks	9,411,641	901,487	10,313,128
60	393 Stores Equipment	310,715	13,056	323,771
61	394 Tools, Shop & Garage Equipment	5,115,305	262,893	5,378,198
	394.5 Equip CNG Fuel Station	0	0	0
62	395 Laboratory Equipment	0	0	0
63	396 Power Operated Equipment	2,719,277	558,223	3,277,500
	396.1 Power Operated Equipment - Trucks	0	0	0
64	397.0 Communication Equipment	1,084,020	223,318	1,307,338
	397.1 Communication Equipment - AMR	8,496,986	434,027	8,931,013
65	398 Miscellaneous Equipment	773,559	47,311	820,870
66	Total General Plant	<u>\$65,643,702</u>	<u>\$3,223,478</u>	<u>\$68,867,180</u>
67	Total Plant Depreciation Reserve	\$572,067,990	\$16,127,017	\$588,195,007
68				
69	Retirement Work in Progress (RWIP)	<u>(9,419,996)</u>	<u>0</u>	<u>(9,419,996)</u>
70	Net Plant In Service	<u>\$562,647,994</u>	<u>\$16,127,017</u>	<u>\$578,775,011</u>

**Spire Missouri West
Summary of Cost of Capital
December 31, 2021**

Line No.	Description (a)	Ratio (b)	Cost Rate (c)	Composite Rate (d)	Pre-Tax (e)
1	Long-Term Debt	45.000%	3.990%	1.796%	1.796%
2	Short-Term Debt	0.000%	0.000%	0.000%	
3	Preferred Stock	0.000%	0.000%	0.000%	
4	Common Equity	<u>55.000%</u>	10.500%	<u>5.775%</u>	<u>7.583%</u>
5	Total	<u><u>100.000%</u></u>		<u><u>7.571%</u></u>	<u><u>9.379%</u></u>

Spire Missouri West
Twelve Months Ending December 31, 2021
Distribution of Revenue and Expense Adjustments by Type

Line No.	Description	Staff EMS Run 11/12/2021	Total Adjustments	Test Year As Adjusted
	(b)	(c)	(d)	(e)
1	TOTAL OPERATING REVENUE	\$227,173,056	\$50,176,073	\$277,349,129
2	TOTAL GAS SUPPLY EXPENSES	(\$82,922)	\$0	(\$82,922)
3	TOTAL NATURAL GAS STORAGE EXPENSE	0	0	0
4	TOTAL TRANSMISSION EXPENSES	0	0	0
5	TOTAL PRODUCTION EXPENSES	0	0	0
6	TOTAL DISTRIBUTION EXPENSES	33,934,003	1,630,984	36,555,684
7	TOTAL CUSTOMER ACCOUNTS EXPENSES	20,105,551	814,416	20,919,967
8	TOTAL CUSTOMER SERVICE & INFO EXPENSES	3,106,653	994,275	4,090,118
9	TOTAL SALES EXPENSES	1,130,134	16,725	1,109,415
10	TOTAL ADMIN & GENERAL EXPENSES	38,201,682	9,380,540	46,986,077
11	TOTAL DEPRECIATION	53,827,879	2,483,321	56,311,200
12	TOTAL AMORTIZATION	6,118,843	6,666,315	12,785,158
13	TOTAL OTHER OPERATING EXPENSES	25,044,755	6,311,227	31,355,982
14	TOTAL OPERATING EXPENSE	181,386,578	28,326,055	209,712,633
15	NET INCOME BEFORE TAXES	45,786,478	21,850,018	67,636,496
16	TOTAL INCOME TAXES	9,956,978	(1,897,695)	8,059,283
17	TOTAL DEFERRED INCOME TAXES	(\$6,606,644)	\$6,021,379	(\$585,265)
	Note: per book & adjusted income tax computed on A-2			
18	NET OPERATING INCOME	\$42,436,144	\$17,726,334	\$60,162,478
1	Operating Revenue Increase from GR-2021-0108	Acct 480-489	50,176,073	
Overhead Adjustments				
6	Engineering Overhead Rate Adjustment	880	(185,192)	
6	Operations Department Overhead Adjustment	874	583,828	
9	New Growth Overhead Adjustment	911	(20,719)	
10	A&G Overhead Adjustment	922	7,751,316	
10	Insurance Capitalization adjustment	925	(45,308)	
10	Benefits Overhead Adjustment	926	931,406	
10	Director's Expense	930	146,981	
13	Payroll Taxes - Overhead		368,598	
Payroll Adjustments				
6	Distribution Payroll Adjustment		1,232,348	
7	Customer Accounts Payroll Adjustment		318,046	
8	Customer Service Payroll Adjustment		10,810	
9	Sales Payroll Adjustment		37,444	
10	Admin and General Payroll Adjustment		624,397	
13	Payroll Taxes - Salary Adjustments		125,563	
7	Third Party Contractor Rate Change		496,370	
Other Adjustments				
11	Depreciation Expense for Plant Increase	403	2,483,321	
8	Customer Program Amortization Update	908	983,465	
12	Amortization Expense Reg Assets & Plant	404	6,666,315	
13	Property Tax Amortization		1,437,117	
13	Property Tax for 2021 Payment		4,379,949	
	Income Tax		4,123,684	
	Total Adjustments to Net Operating Income		17,726,334	

Spire Missouri West
Twelve Months Ending December 31, 2021

Distribution of Revenue and Expense Adjustments by Account No.

Main Acct. (a)	Description (b)	Staff EMS Run 11/12/2021 (c)	Total Adjustments (d)	Test Year As Adjusted (e)
OPERATING REVENUE				
480	Residential	\$176,164,288	\$42,250,528	\$218,414,816
481	Small General Service	17,367,160	4,476,382	21,843,542
481	Large General Services	15,604,508	2,767,611	18,372,119
481	Large Volume Service	230,763	277,877	508,640
481	Unmetered Gas Light	1,271	305	1,576
481	Other Gas Revenue	0		0
487	Late Payment Charges	1,675,286		1,675,286
489	Transport	16,129,780	403,369	16,533,149
492	Incidental Gasoline and Oil Sales	0		0
493	Rent From Gas Property	0		0
495	Other Revenue	0		0
	Total Operating Revenue	<u>\$227,173,056</u>	<u>\$50,176,073</u>	<u>\$277,349,129</u>
OPERATING & MAINTENANCE EXPENSE				
Manufactured Gas Production Expense				
	Total Manufactured Gas Production Expense	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Purchased Gas Expense				
804	Purchased Gas Expense	\$0		\$0
808.1	Gas Withdrawn From Storage - Debit	(82,922)		(82,922)
810	Gas Used for Compressor Station Fuel - Credit			0
812	Gas Used for Other Utility Operations - Credit			0
	Total Purchased Gas Expense	<u>(\$82,922)</u>	<u>\$0</u>	<u>(\$82,922)</u>
Natural Gas Storage Expenses				
	Total Natural Gas Storage Expenses	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
Distribution Operation Expense				
870	Operation, Supervision and Engineering	\$2,109,225		2,109,225
871	Distribution and Load Dispatching	453,709		453,709
874	Mains and Service Expenses	6,867,882		6,867,882
875	Distributing Regulating Station Expenses	720,816		720,816
876	Measuring and Regulating Station Exp-Industrial	0		0
877	Measuring and Regulating Station Exp-City Gate	0		0
878	Meter and House Regulator Expenses	3,584,315		3,584,315
879	Customer Installation Expenses	967,037		967,037
880	Other Expenses	1,756,028	398,636	2,154,664
881	Rents	135,352		135,352
	Total Operation Expense	<u>\$16,594,364</u>	<u>\$398,636</u>	<u>\$16,993,000</u>
Distribution Maintenance Expense				
885	Maintenance Supervision and Engineering	\$1,426,226		\$1,426,226
886	Maintenance of Structures and Improvements	112,659		112,659
887	Maintenance of Mains	10,829,774		10,829,774
889	Maint. of Measuring and Regulating Eq-General	2,140,433		2,140,433
890	Maint. of Measuring and Regulating Eq-Industrial	147,120		147,120
891	Maint. of Measuring and Regulating Eq-City Gate	65,336		65,336
892	Maintenance of Services	2,023,038		2,023,038
893	Maintenance of Meters and House Regulators	538,915		538,915
894	Maintenance of Other Equipment	56,138		56,138
	Total Maintenance Expenses	<u>\$17,339,639</u>	<u>\$0</u>	<u>\$17,339,639</u>
	Total Distribution Expense	<u>\$33,934,003</u>	<u>\$398,636</u>	<u>\$34,332,639</u>
Customer Accounts Expense				
901	Supervision	\$0		\$0
902	Meter Reading Expense	3,534,398		3,534,398
903	Customer Records and Collection Expense	10,860,235	496,370	11,356,605
904	Uncollectible Accounts	5,563,816		5,563,816
905	Miscellaneous Customer Accounts Expense	147,102		147,102
	Total Customer Accounts Expenses	<u>\$20,105,551</u>	<u>\$496,370</u>	<u>\$20,601,921</u>

Spire Missouri West
Twelve Months Ending December 31, 2021

Distribution of Revenue and Expense Adjustments by Account No.

Main Acct. (a)	Description (b)	Staff EMS Run 11/12/2021 (c)	Total Adjustments (d)	Test Year As Adjusted (e)
Customer Service and Informational Expense				
907	Supervision	\$0		\$0
908	Customer Assistance	3,083,390	983,465	4,066,855
909	Informational and Instructional Advertising Exp.	23,263		23,263
	Total Cust. Service and Information Exp.	\$3,106,653	\$983,465	\$4,090,118
Sales and Advertising Expense				
911	Supervision	\$540,875	(\$20,719)	\$520,156
912	Demonstrating and Selling Expenses	589,259		589,259
913	Advertising Expenses	0		0
916	Miscellaneous Sales Expenses	0		0
	Total Sales and Advertising Expenses	\$1,130,134	(\$20,719)	\$1,109,415
Administrative and General Expense				
920	Administrative and General Salaries	\$11,555,076		\$11,555,076
921	Office Supplies and Expenses	6,645,528		6,645,528
921	Office Supplies & Expenses - Non Alloc	6,384,763		6,384,763
922	Administrative Expenses Transferred	(11,590,961)	7,751,316	(3,839,645)
923	Outside Services Employed	5,761,206		5,761,206
924	Property Insurance	625,080		625,080
925	Injuries and Damages	5,143,797	(45,308)	5,098,489
926	Employee Pensions and Benefits	9,969,960	931,406	10,901,366
928	Regulatory Commission Expense	1,578,992		1,578,992
930	Miscellaneous General Expenses	661,711	146,981	808,692
931	Rents	901,926		901,926
932	Maintenance of General Plant	564,604		564,604
	Total Administration and General Expense	\$38,201,682	\$8,784,395	\$46,986,077
	Payroll Adjustment		2,223,045	2,223,045
	Total O & M Expense	\$96,395,101	\$12,865,192	\$109,260,293
403	Depreciation	53,827,879	2,483,321	56,311,200
404, 405	Amortization	6,118,843	6,666,315	12,785,158
431	Interest on Customer Deposits	53,353		53,353
408	Payroll Taxes (1***)	3,404,376	494,161	3,898,537
408	Property Taxes (2***)	21,350,151	5,817,066	27,167,217
408	Gross Receipts Tax (3300 + 4000)			0
408	Stipulation & Agreement	236,875		236,875
408	Taxes Other Than Income	\$24,991,402	\$6,311,227	\$31,302,629
	TOTAL EXPENSES	\$181,386,578	\$28,326,055	\$209,712,633
	OPERATING INCOME BEFORE INCOME TAX	\$45,786,478	\$21,850,018	\$67,636,496
409,410	Income Taxes	9,956,978	(1,897,695)	8,059,283
	Excess ADIT Amortization	(6,606,644)	6,021,379	(585,265)
	NET OPERATING INCOME	\$42,436,144	\$17,726,334	\$60,162,478

**Missouri West
Wage & Salary Adjustment
GR-2022-0179**

		MO West					
		Dollars	O&M %				
Spire West							
Test Year Payroll O&M Payroll		43,767,996					
12 Month Normalized Payroll		<u>45,858,275</u>	<u>58.80%</u>				
		2,090,279	0.59				
		<u>2,090,279</u>					
Regular Payroll Adjustment		2,090,279		NATURAL GAS STORAGE EXP		0	
Overtime Payroll Adjustment (incl above)		0					
Employee Level Adjustment (Reg & OT)		0		PRODUCTION EXPENSES		0	
AIP Adjustment		<u>0</u>					
Total Wage & Salary Adjustment		<u>2,090,279</u>	<u>59%</u>	DISTRIBUTION EXPENSES	24,875,635	0.561487	1,173,665 58,683
Payroll Adj. excl. overtime and AIP		2,090,279		CUSTOMER ACCOUNTS EXP	6,419,942	0.144909	302,901 15,145
		<u>2,090,279</u>		CUSTOMER SERVICE & INFO EXP	218,207	0.004925	10,295 515
401K Match Adjustment		<u>104,514</u>		TOTAL SALES EXPENSES	755,832	0.01706	35,661 1,783
		<u>104,514</u>		ADMIN & GENERAL EXP	12,033,515	0.271618	567,757 28,388
Payroll Taxes				Total Payroll	44,303,131		2,090,279 104,514
FICA Adjustment		125,417					
Unemployment Tax Adjustment		146					
Total Payroll Taxes Adjustment		<u>125,563</u>					
		<u>125,563</u>					
Insurance Costs							
Life Insurance (per \$1000)	\$	0.2190	5,493				
AD&D (per \$1000)	\$	0.0100	251				
LTD (per \$1000)	\$	0.8950	22,450				
LTD/STD/FMLA Admin Fees (per person)	\$	8.21	<u>58</u>				
			<u>28,252</u>				

Spire Missouri West
Twelve Months Ending September 30, 2020

Depreciation Expense

Line No.	Description	Amount	Current Depreciation Rate	Annualized Depreciation	Proposed Rate	Proforma Total Depreciation	Less Depr. Capitalized To Clearing Accts.	Proforma Depreciation Expense	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(f)	
<u>INTANGIBLE PLANT</u>									
1	301	Organization	\$15,600	0.00%	\$0	0.00%	\$0	\$0	\$0
2	302	Franchises	13,823	0.00%	0	0.00%	0	0	0
3		Total Intangible Plant	<u>\$29,423</u>		<u>\$0</u>		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>PRODUCTION PLANT</u>									
4	304	Land & Land Rights-Mfg Gas	\$0	0.00%	\$0	0.00%			
5	305	Structures & Improvements-Mfg Gas	0	1.77%	0	1.77%	0.00	0.00	\$0
6	307	Other Power Equipment	0	1.91%	0	1.91%	0.00	0.00	0
7	311	Propane Equipment-Gas Ops	0	2.62%	0	2.62%	0.00	0.00	0
8	311.1	Propane Storage Cavern-Gas Ops	0	1.40%	0	1.40%	0.00	0.00	0
9		Total Production Plant	<u>\$0</u>		<u>\$0</u>		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>UNDERGROUND STORAGE PLANT</u>									
10	350.1	Land	\$0	0.00%		0.00%			
11	350.2	Rights of Way	0	1.25%		1.25%	0	0	
12	351.2	Compression Station Structure	0	2.00%	0	2.00%	0	0	0
13	351.4	Other Structures	0	2.00%	0	2.00%	0	0	0
14	352	Wells	0	1.22%	0	1.22%	0	0	0
15	352.1	Storage Leaseholds & Rights	0	1.11%	0	1.11%	0	0	0
16	352.2	Reservoirs	0	1.11%	0	1.11%	0	0	0
17	352.3	Non-Recoverable Natural Gas	0	1.11%	0	1.11%	0	0	0
18	352.4	Wells - Oil & Vent Gas	0	2.18%	0	2.18%	0	0	0
19	353	Lines	0	1.56%	0	1.56%	0	0	0
20	354	Compressor Station Equipment	0	2.00%	0	2.00%	0	0	0
21	355	Measuring & Regulating Equipment	0	1.91%	0	1.91%	0	0	0
22	356	Purification Equipment	0	2.20%	0	2.20%	0	0	0
23	357	Other Equipment	0	4.20%	0	4.20%	0	0	0
24		Total Underground Storage Plant	<u>\$0</u>		<u>\$0</u>		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>OTHER STORAGE EQUIPMENT</u>									
25	360	Land & Land Rights	\$0						
26	361	Structures & Improvements	0						
27	362	Gas Holders	0						
28	363.3	Compressor Equipment	0						
29		Total Other Storage Equipment	<u>\$0</u>		<u>\$0</u>		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>TRANSMISSION PLANT</u>									
30	365.2	Rights of Way - Transmission	\$0						
31	367	Mains - Transmission	0	2.00%	0	2.00%	0	0	0
32	371	Other Equipment - Transmission	0	2.10%	0	2.10%	0	0	0
33		Total Distribution Plant	<u>\$0</u>		<u>\$0</u>		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
<u>DISTRIBUTION PLANT</u>									
34	374	Land & Land Rights	\$476,088						
	374.2	Land Rights	\$4,184,834	1.33%	55,658	1.33%	55,658		55,658
35	375.1	Str & Imp - District Meas & Reg	20,755,982	2.40%	498,144	2.40%	498,144	0	498,144
36	375.2	Str & Imp - Service Centers	0	2.40%	0	2.40%	0	0	0
37	375.21	Str & Imp - Leased Property	9,724	(see adj. H-12)		(see adj. H-12)		0	
38	375.4	Str & Imp - Other Small Structures	0	2.40%	0	2.40%	0	0	0
39	376.1	Mains - Steel	297,558,353	2.00%	5,951,167	2.00%	5,951,167		5,951,167
40	376.101	Mains - Steel Transmission - MGE	12,704,983	2.00%	254,100	2.00%	254,100	0	254,100
41	376.2	Mains - Cast Iron	36,433,839	12.35%	4,499,579	12.35%	4,499,579	0	4,499,579
42	376.3	Mains - Plastic & Copper	717,627,315	1.87%	13,419,631	1.87%	13,419,631	0	13,419,631
43	378	Meas. & Reg. Station - General	16,125,805	3.11%	501,513	3.11%	501,513	0	501,513
44	379	Meas. & Reg. Station - City Gate	6,452,486	2.66%	171,636	2.66%	171,636	0	171,636
45	380.1	Services - Steel	7,717,617	4.50%	347,293	4.50%	347,293	0	347,293
46	380.2	Services - Plastic	518,768,577	3.96%	20,543,236	3.96%	20,543,236	0	20,543,236

Spire Missouri West
Twelve Months Ending September 30, 2020

Depreciation Expense

Line No.	Description	Amount	Current Depreciation Rate	Annualized Depreciation	Proposed Rate	Proforma Total Depreciation	Less Depr. Capitalized To Clearing Accts.	Proforma Depreciation Expense	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(f)	
47	381 Meters	45,611,620	2.77%	1,263,442	2.77%	1,263,442	0	1,263,442	
	381.1 Smart Meters	18,996,191	5.00%	949,810	5.00%	949,810	0	949,810	
	382 Meter Installations	106,056,943	1.91%	2,025,688	1.91%	2,025,688	0	2,025,688	
	382.1 Smart Meter Installations	6,911,136	5.00%	345,557	5.00%	345,557	0	345,557	
48	383 House Regulators	18,976,806	2.00%	379,536	2.00%	379,536	0	379,536	
49	385 Commercial & Ind Meas & Reg Eq	2,832,808	2.44%	69,121	2.44%	69,121	0	69,121	
50	386 Other Property - Customer Premises	0	2.73%	0	2.73%	0	0	0	
51	387 Other Equipment	0	2.20%	0	2.20%	0	0	0	
52	Total Distribution Plant	<u>\$1,838,201,105</u>		<u>\$51,275,108</u>		<u>\$51,275,108</u>	<u>\$0</u>	<u>\$51,275,108</u>	
	<u>GENERAL PLANT</u>								
53	389 Land	\$1,058,065	0.00%		0.00%				
54	390.2 LH Improvements 700 Market	1,499,326	(see adj. H-12)		(see adj. H-12)			0	
	390.1 Structures - Leased - GO	878,378	(see adj. H-12)		(see adj. H-12)	0		0	
55	391 Furniture & Fixtures	5,926,412	4.71%	279,134	4.71%	279,134	0	279,134	
	391.1 Data Processing Systems	0	5.47%	0	5.47%	0	0	0	
	391.2 Mechanical Office Equipment	0	12.12%	0	12.12%	0	0	0	
	391.3 Data Processing Software	0	(see adj. H-12)		(see adj. H-12)		0	0	
	391.4 Data Processing Systems	2,201,111	9.89%	217,690	9.89%	217,690	0	217,690	
	391.5 Enterprise Software-EIMS	59,590,944	(see adj. H-12)		(see adj. H-12)		0	0	
63	391.95 Ent Software - EIMS	23,019,933	(see adj. H-12)		(see adj. H-12)			0	
	392.00 Transportation Eq - Sp Trucks	0	0.00%	0	0.00%	0		0	
61	392.1 Transportation Eq - Automobiles	4,729,611	10.00%	472,961	10.00%	472,961	0	472,961	
62	392.2 Transportation Eq - Trucks	27,321,511	7.69%	2,101,024	7.69%	2,101,024	0	2,101,024	
63	393 Stores Equipment	664,474	2.16%	14,353	2.16%	14,353	0	14,353	
64	394 Tools, Shop & Garage Equipment	12,448,146	3.62%	450,623	3.62%	450,623	0	450,623	
65	395 Laboratory Equipment	0	3.62%	0	3.62%	0	0	0	
66	396 Power Operated Equipment	13,544,110	6.07%	822,127	6.07%	822,127	0	822,127	
67	397.0 Communication Equipment	6,187,530	5.81%	359,496	5.81%	359,496	0	359,496	
	397.1 Communication Equipment - AMR	40,339,103	5.67%	2,287,227	5.67%	2,287,227		2,287,227	
68	398 Miscellaneous Equipment	<u>1,868,331</u>	4.58%	<u>85,570</u>	4.58%	<u>85,570</u>	<u>0</u>	<u>85,570</u>	
69	Total General Plant	<u>\$201,276,984</u>		<u>\$7,090,204</u>		<u>\$7,090,204</u>	<u>\$0</u>	<u>\$7,090,204</u>	
70	Total Original Cost Plant in Service	\$2,039,507,513		\$58,365,312		\$58,365,312	\$0	\$58,365,312	
73	Less: Depreciation Charged to Clearing			(\$2,054,112)		(\$2,054,112)		(\$2,054,112)	
74	Less Test Year Depreciation Expense							(\$53,827,879)	
75	Adjustment to Test Year - Acct. 403							<u>\$2,483,321</u>	

**Spire Missouri West
Twelve Months Ending December 31, 2021**

Amortization Expense

		0.142857143			
Line No.	Description	Original Cost Plant	Monthly Test Year Amortization Expense	Proforma Amortization Expense	Acct No.
	(a)	(b)	(c)	(d)	(e)
1	(375.2) Leasehold Improvements	\$9,724	19	233	
2	(390.1) Structures - Leased GO	878,378	7,369	88,423	404.3
3	(390.2) LH Improvements 700 Market	1,499,326	12,578	150,931	404.3
4	(391.5) Enterprise Software-EIMS	59,590,944	347,614	4,171,366	404.3
	(391.95) -Ent Software SS Alloc	23,019,933	134,283	1,611,395	
5	Sub Total	<u>\$84,998,305</u>	<u>\$501,862</u>	<u>\$6,022,349</u>	
		Unamortized Balance	Mo Amort Amt	Proforma Amortization	
6	GU-2020-0376 Regulatory Asset at 12/31/2020	\$2,870,828	\$47,847	\$574,166	404.3
7	GU-2020-0376 - Lost Disconnect/Late Payment Fees	\$1,316,249	\$21,937	\$263,250	
8	Overhead Regulatory Asset	\$11,725,000	\$488,542	\$5,862,500	
10	Total Amortization			12,785,158	
11	Less Test Year Amortization			<u>(6,118,843)</u>	
12	Adjustment to Test Year Account 404			<u>6,666,315</u>	
	Proposed Amortization of smaller balances remaining from last case:	348,333			
	Adjustment: To reflect amortization through 6/30	159,653			
	Jun 30 Balance	188,680	5,241	62,893	
		Unamortized Balance	Mo Amort Amt	Proforma Amortization	
11	<u>Deferred Energy Efficiency and Low Income Program Costs</u>	<u>\$21,982,484</u>	<u>183,187</u>	<u>\$2,198,248</u>	
12	Energy Affordability Program	\$1,760,481	14,671	\$176,048	
13	Red Tag Program	\$177,595	3,700	\$44,399	
14	Pro-Forma Amortization Expense			\$2,418,695	908.0
15	Less Test Year Amortization Expense			<u>(1,435,230)</u>	
16	Adjustment to Test Year - Accts. 908			<u>\$983,465</u>	
17	Missouri Property Tax (GR-2021-0108)	\$3,410,141	\$56,836	\$682,028	
18	Kansas Property Tax (GR-2021-0108)	\$1,243,642	\$25,909	\$310,910	408
	Missouri Property Tax	\$7,185,585	\$119,760	\$1,437,117	
				\$2,430,055	408
	Overhead Regulatory Asset	2/28/22 Bal			
	Capital (based on updated rates) through June	1,500,000	2,800,000	4,300,000	
	O&M (variance from previous Rates and new rates) through Sep 2022	<u>2,000,000</u>	<u>5,425,000</u>	<u>7,425,000</u>	
		3,500,000		11,725,000	

**Spire Missouri West
 Twelve Months Ending December 31, 2021
 Property Tax**

Staff Accounting Schedule 09	MO East	MO West
408 - Property Taxes	23,575,142	21,350,151
Amortization Property Tax Tracker	1,163,620	992,938
Current Property Tax Expense	22,411,522	20,357,213
Final 2021 Tax Payment - MO & KS	21,452,320	24,737,162
Variance	(959,202)	4,379,949

Tax Payments Normalization

Property Tax - Kansas	1,080,980
Property Tax - Missouri	23,656,182
	24,737,162

**Spire Missouri
December 31, 2021
Overhead Adjustment**

	Staff Model Est			Adjustment Incr (Decr) Exp			Spire Model			Old		New	
	MOE	MOW	Total	MOE	MOW	Total	MOE	MOW	Total	MOE	MOW	MOE	MOW
Transfers 922	(10,287,925)	(7,145,691)	(17,433,615)	6,642,339	5,088,831	11,731,169	(3,645,586)	(2,056,860)	(5,702,446)	54.00%	66.50%	19.10%	19.10%
922.1	(6,613,831)	(4,445,270)	(11,059,101)	3,348,456	2,662,485	6,010,941	(3,265,374)	(1,782,785)	(5,048,160)	54.00%	66.50%	26.70%	26.70%
408	(917,539)	(517,582)	(1,435,121)	592,404	368,598	961,002	(325,135)	(148,984)	(474,119)	54.00%	66.50%	19.10%	19.10%
925 - Premiums	(5,777,019)	(3,889,993)	(9,667,012)	(148,686)	648,792	500,106	(5,925,705)	(3,241,201)	(9,166,906)	54.00%	66.50%	55.40%	55.40%
925 - WC Claims	-	-	-	(691,500)	(575,400)	(1,266,900)	(691,500)	(575,400)	(1,266,900)	0.00%	0.00%	56.00%	56.00%
925 - Non-WC Claims	-	-	-	(249,600)	(118,700)	(368,300)	(249,600)	(118,700)	(368,300)	0.00%	0.00%	69.00%	69.00%
930	(198,543)	(146,981)	(345,524)	198,543	146,981	345,524	-	-	-				
926	(31,486,817)	(8,730,752)	(40,217,569)	3,093,032	931,406	4,024,438	(28,393,784)	(7,799,346)	(36,193,131)	54.60%	46.90%	49.20%	41.90%
	(55,281,672)	(24,876,270)	(80,157,942)	12,784,987	9,152,993	21,937,980	(42,496,685)	(15,723,277)	(58,219,962)				
911 New Growth	(766,049)	(673,354)	(1,439,403)	(23,571)	(20,719)	(44,289)	(789,620)	(694,072)	(1,483,692)	65.00%	65.00%	67.00%	67.00%
880 Engineering Design	(1,567,585)	(1,481,537)	(3,049,122)	(195,948)	(185,192)	(381,140)	(1,763,533)	(1,666,729)	(3,430,262)	80.00%	80.00%	90.00%	90.00%
874 Ops Dept Clr	(1,429,826)	(583,828)	(2,013,654)	1,429,826	583,828	2,013,654	-	-	-				
	(3,763,460)	(2,738,719)	(6,502,179)	1,210,307	377,918	1,588,225	(2,553,153)	(2,360,801)	(4,913,954)				
	(59,045,132)	(27,614,989)	(86,660,121)	13,995,295	9,530,910	23,526,205	(45,049,838)	(18,084,078)	(63,133,916)				