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Issue(s): CCOS, Rate Design
Witness: Melanie Marek
Sponsoring Party: MoPSC Staff
Type of Exhibit: Surrebuttal Testimony
Case No.: WR-2024-0104
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MISSOURI PUBLIC SERVICE COMMISSION

FINANCIAL AND BUSINESS ANALYSIS DIVISION

AUDITING DEPARTMENT

SURREBUTTAL TESTIMONY

OF

MELANIE MAREK

LIBERTY UTILITIES (Missouri Water), LLC,

d/b/a Liberty

CASE NO. WR-2024-0104

Jefferson City, Missouri
October 2024

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MELANIE MAREK
LIBERTY UTILITIES (Missouri Water), LLC,
d/b/a Liberty
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1 **SURREBUTTAL TESTIMONY**

2 **OF**

3 **MELANIE MAREK**

4 **LIBERTY UTILITIES (Missouri Water), LLC,**

5 **d/b/a Liberty**

6 **CASE NO. WR-2024-0104**

7 Q. Please state your name and business address.

8 A. My name is Melanie Marek and my business address is 200 Madison Street,
9 P.O. Box 360, Jefferson City, Missouri 65102.

10 Q. By whom are you employed and in what capacity?

11 A. I am employed by the Missouri Public Service Commission (“Commission”) as
12 a Lead Senior Utility Regulatory Auditor in the Auditing Department, Financial and Business
13 Analysis Division, a member of Commission Staff (“Staff”).

14 Q. Are you the same Melanie Marek who filed direct testimony on September 10,
15 2024 and rebuttal testimony on September 27, 2024 in this case?

16 A. Yes, I am.

17 **EXECUTIVE SUMMARY**

18 Q. What is the purpose of your surrebuttal testimony?

19 A. The purpose of my surrebuttal testimony is to explain corrections to Staff’s rate
20 design schedules included in direct testimony; rebut certain statements made in the rebuttal
21 testimonies of Office of the Public Counsel (“OPC”)’s witness, Jordan Seaver and Holiday Inn
22 Club Vacations, Inc. (“HICV”)’s witness, William G. Stannard; and to comment on Liberty
23 Utilities (Missouri Water), LLC., d/b/a Liberty (“Liberty Water”)’s witness, Thomas O’Neill’s
24 rebuttal testimony.

1 **RATE DESIGN**

2 Q. Has Staff made any adjustments or updates to its calculated rate design for
3 Liberty Water's water or wastewater operations?

4 A. Yes. Staff did make changes to the rate design originally proposed in direct
5 testimony. As Staff makes corrections and updates to its revenue requirement, rates will change
6 based on those corrections or updates.

7 Q. What was Liberty Water's proposed rate design?

8 A. Liberty Water proposed consolidating all service areas, except the Bolivar
9 system, into a single tariffed rate by meter size and class. This is true of both water and sewer.
10 Bolivar would be the only sewer system remaining with a commodity charge, as well.
11 Liberty Water proposed to continue to charge separate rates for different classes, such as
12 industrial, commercial, and residential customers.

13 Q. Does Staff's revised rate design differ from the one proposed by Liberty Water
14 in its direct testimony?

15 A. Yes.

16 Q. How?

17 A. Staff proposes eliminating separate customer classes, including a rate for bulk
18 sales, and continuing the existing discounted rate for usage over 100,000 gallons. Staff does not
19 believe each class needs a different rate as Liberty Water stated there was no difference in cost
20 to provide service, nor infrastructure specifically dedicated to different classes.¹

21 Q. What changes has Staff made to its rate design since filing direct testimony?

¹ Liberty Water's response to Staff's DR No. 0142.

Surrebuttal Testimony of
Melanie Marek

1 A. Staff added the calculation for the discounted commodity rate for users over
2 100,000 gallons that currently appears in some of Liberty Water’s non-Bolivar service areas,
3 added a revenue shift from Bolivar sewer to Bolivar water, and corrected some non-substantive
4 typographical errors.

5 Q. Why is Staff now proposing a revenue shift?

6 A. Staff’s updated revenue requirement shows an annual revenue surplus of
7 \$374,447 at current sewer rates. Liberty Water must make immediate investments in the sewer
8 system at Bolivar, which will cause rates to increase in the near future. Temporarily decreasing
9 rates and then increasing rates is not logical, given the increase needed in the water rates. There
10 is approximately 96% overlap between water and sewer customers in Bolivar. Staff believes
11 shifting this revenue surplus to offset a portion of the increase in water rates is a reasonable
12 approach. Staff’s updated rate design is included in this testimony as Schedule MM-s1.

13 Q. What are Staff’s proposed rates for Liberty Water’s water customers?

14 A. Staff’s proposed rates are detailed in Schedule MM-s1.

15 Q. What are Staff’s proposed rates for Liberty Water’s sewer customers?

16 A. Staff’s proposed rates are also detailed in Schedule MM-s1.

17 **REBUTTAL TO OPC’S WITNESS JORDAN SEAVER**

18 Q. Have you reviewed OPC’s witness, Mr. Seaver’s rebuttal testimony?

19 A. Yes, I have.

20 Q. What is Mr. Seaver proposing?

21 A. OPC’s witness, Mr. Seaver, recommends for “any commodity charge for sewer
22 tied to water usage be based upon an average of each customer’s winter water use.”²

² Rebuttal testimony of Jordan Seaver, page 6 beginning on line 7.

Surrebuttal Testimony of
Melanie Marek

1 Q. What is Staff's position on that matter?

2 A. It is Staff's position that, in theory, this would be a viable option. However, due
3 to the lack of accuracy and reliability of Liberty Water's data concerning customer usage,
4 a reliable calculation of winter usage cannot be made at this time for many customers.

5 Q. Please explain.

6 A. In trying to obtain accurate data from Liberty Water in multiple rounds of data
7 requests ("DR"s), Staff has determined that Liberty Water is unaware of actual current customer
8 usage³ and customer count.⁴ There have been many months of estimated billings for different
9 systems⁵, some customers do not have accessible meters, Liberty Water has been unwilling or
10 unable⁶ to read meters appropriately,⁷ and Liberty Water's tracking data often provides
11 erroneous numbers.⁸ During the Bolivar Local Public Hearing many customers complained
12 about receiving inaccurate estimated bills in the past few months, which casts even further
13 doubt on Liberty Water being able to determine the lowest winter usage. Because of the
14 inaccuracies in historical meter read data, this option is not feasible. As Liberty Water works to
15 update meters and hire meter readers, it is Staff's hope the inaccurate or estimated reads will
16 decrease, making this option available to Liberty Water's customers. Once Liberty Water can
17 provide accurate and reliable usage and customer data, Staff will consider this option in a future
18 rate case.

19 **REBUTTAL TO HICV'S WITNESS WILLIAM G. STANNARD**

20 Q. Have you reviewed HICV's witness, Mr. Stannard's rebuttal testimony?

³ Liberty Water's response to Staff DR Nos. 0086, 0108, 0108.2, 0109, 0110.

⁴ Liberty Water's response to Staff DR Nos. 0026, 0118.

⁵ Liberty Water's response to Staff DR Nos. 0025, 0090, 0174.

⁶ Liberty Water's response to Staff DR Nos. 0025, 0152.

⁷ Liberty Water's response to Staff DR No. 0174.

⁸ Liberty Water's response to Staff DR No. 0123.

Surrebuttal Testimony of
Melanie Marek

1 A. Yes, I have.

2 Q. What topics in Mr. Stannard's testimony are you responding to?

3 A. Specifically, I will respond to Mr. Stannard's assertions that Staff should have
4 completed a Class Cost of Service ("CCOS") study,⁹ rates should be based on consumption
5 patterns,¹⁰ and a somewhat rigid proposal of allocating all fixed costs to be recovered with the
6 customer charge and all variable costs to the commodity charges.¹¹

7 Q. What is Staff's position on performing a CCOS for Liberty Water?

8 A. It is Staff's position a CCOS in this case was unnecessary.¹²

9 Q. Why?

10 A. According to Liberty Water, there is no difference in cost to provide service to
11 different customer classes,¹³ nor is there separate infrastructure dedicated to different classes.¹⁴

12 Q. What is Mr. Stannard proposing regarding the CCOS?

13 A. Mr. Stannard proposes the Commission must allocate the revenue requirement
14 across the various customer classes and set rates in each class. He proposes the Commission
15 complete this mandate by using Liberty Water's CCOS, stating it is "the only objective analysis
16 in this case."¹⁵ However, later in his testimony, he states, Liberty Water's calculated CCOS is
17 flawed, but represents the only evidence-based analysis of cost causation.¹⁶

18 Q. Is the Commission required to set rates based on a CCOS study?

⁹ Rebuttal testimony of HICV's witness Mr. Stannard, page 2, line 9.

¹⁰ Rebuttal testimony of HICV's witness Mr. Stannard, page 2 lines 11-13 and page 3 lines 3-4.

¹¹ Rebuttal testimony of HICV's witness Mr. Stannard, page 3 line 20 through page 5 line 22.

¹² Direct testimony of Staff's witness, Melanie Marek, page 2 line 21 through page 3 line 6 and rebuttal testimony of the same witness, page 5 line 2 through page 6 line 2.

¹³ Liberty Water's response to Staff DR No. 0119.

¹⁴ Liberty Water's response to Staff DR No. 0142.

¹⁵ Rebuttal testimony of HICV's witness Mr. Stannard, page 3 lines 15-16 and page 6 lines 3-4.

¹⁶ Rebuttal testimony of HICV's witness Mr. Stannard, page 7 lines 16-19.

Surrebuttal Testimony of
Melanie Marek

1 A. No, there is no such requirement. A CCOS study was not used to establish rates
2 in Liberty Water’s previous rate case, and no CCOS study was used to establish rates in the last
3 general rate case (Case No. WR-2023-0006) for Confluence Rivers Utility Operating Company,
4 Inc., for example. A CCOS study is also not used to set rates for small company rate cases.
5 Therefore Mr. Stannard is incorrect that a CCOS study is required for all water rate cases.

6 Q. What is Staff’s position on Mr. Stannard’s claims?

7 A. It is Staff’s position Liberty Water’s proposed CCOS was created from
8 irregular,¹⁷ inconsistent,¹⁸ outdated,¹⁹ unusable,²⁰ assumed,²¹ incorrect²² data with erroneous²³
9 and flawed²⁴ calculations. Therefore, Mr. Stannard’s claim of the CCOS being objective²⁵ and
10 evidence-based²⁶ is incorrect. Mr. Stannard’s claim that the Commission must allocate rates to
11 each class based on the revenue requirement for the corresponding class is also incorrect.

12 Q. On page 3, lines 11-13, of Mr. Stannard’s rebuttal testimony, he claims you
13 stated “there is no difference between the consumption patterns of residential and commercial
14 customers.” Did you say that?

15 A. No. This does not appear in my testimony.

16 Q. What did you say?

17 A. On page 5 line 20 through page 8 line 8 of my direct testimony, I stated Staff
18 uses the Auditing Department’s calculated revenue requirement to effectively recover the costs

¹⁷ Direct testimony of Staff’s witness Angela Niemeier, page 7 line 21 through page 8 line 9.

¹⁸ Rebuttal testimony of Staff’s witness Michael D. Irwin, page 2 line 13 through page 14 line 17 with cited DR responses from Liberty Water.

¹⁹ Liberty Water’s response to Staff DR 0026.4.

²⁰ Direct testimony of Staff’s witness Daronn A. Williams, page 14 line 9 through page 16 line 11.

²¹ Liberty Water’s response to Staff DR 0231.

²² Liberty Water’s response to Staff DR 0269.

²³ Liberty Water’s response to Staff DRs 0120, 0127, 0128, 0268.

²⁴ Rebuttal testimony of HICV’s witness Mr. Stannard, page 7 lines 16-17.

²⁵ Rebuttal testimony of HICV’s witness Mr. Stannard, page 3 line 16.

²⁶ Rebuttal testimony of HICV’s witness Mr. Stannard, page 7 lines 17-18.

Surrebuttal Testimony of
Melanie Marek

1 to the company to provide service at a just and reasonable rate for the customer. Also, on page 2,
2 lines 10-16, of my rebuttal testimony, and reiterated above, I stated Liberty Water stated there
3 is no separate infrastructure for the different classes, and it is Staff's position that the service is
4 too similar to differentiate classes at different rates.

5 Q. Is it Staff's position rates should be based on consumption patterns?

6 A. To a point, yes.

7 Q. Please explain.

8 A. Staff's rate design proposal does include different rates for different meter sizes
9 to assist in recovering costs amongst different customers with different usage.

10 Q. Why is that significant?

11 A. Those customers who are higher volume water users and require a larger meter
12 size are allocated a larger portion of the costs through the customer charges that increase as
13 meter sizes increase. For example, most meters sized 2" and larger belong to commercial and
14 industrial classes. These users, on average, use more water per customer than residential
15 customers. But the same is true of an apartment building or any other facility that is a larger
16 water user.

17 Q. Is it Staff's position all classes of Liberty Water customers should be charged
18 the same rate?

19 A. Originally, that was Staff's position, yes. However, as discussed later to
20 comment on Liberty Water's witness, Thomas O'Neill's rebuttal testimony, Staff is now
21 proposing to a continue the discounted commodity rate for gallons used over a certain threshold.
22 This will better accommodate industrial users.

23 Q. What does Mr. Stannard propose about the fixed and variable costs as it relates
24 to customer rates?

Surrebuttal Testimony of
Melanie Marek

1 A. Mr. Stannard claims Staff arbitrarily assigned a 50% allocation of fixed costs
2 and variable costs to the respective charges in rates²⁷ and proposes a more realistic split between
3 fixed costs to the customer charge and likewise with the variable costs and commodity charge.

4 Q. Did Staff propose a 50/50 allocation of fixed and variable costs when proposing
5 its rate design in direct testimony?

6 A. No. Staff's proposed rate design in Schedule MM-d4 of my direct testimony,
7 clearly shows taxes, amortization, depreciation, and return on equity all going 100% to the
8 customer charge; while other expenses were split between the customer charge and commodity
9 rates.

10 Q. Did Staff consider Mr. Stannard's proposal? If so, what were the results?

11 A. Yes. If fixed costs like the return on equity, customer billing, etc. were all
12 allocated to just the customer charge, the rates would be absurd. It appears Mr. Stannard
13 is arguing for lower customer charges and recovering more of the cost of service
14 through commodity charges,²⁸ but when implementing his argument, the customer charge
15 dramatically increases. An example of the impact of Mr. Stannard's proposal can be seen in
16 Schedule MM-s2.

17 Q. Why did Staff allocate the expenses the way it did?

18 A. Rate design is an art of sort. Staff develops just and reasonable rates for the
19 customers by allocating expenses through the rate design into both the customer charge and
20 commodity rate. Staff believes the attached rates provide an appropriate balance between the
21 customer charge and the commodity rate.

²⁷ Rebuttal testimony of HICV's witness Mr. Stannard, page 3 line 20 through page 5 line 22.

²⁸ Rebuttal testimony of HICV's witness Mr. Stannard, page 4 line 11 through page 6 lines 8.

1 **REBUTTAL TO LIBERTY WATER’S WITNESS, THOMAS O’NEILL**

2 Q. On page 5, lines 22-24, of Liberty Water’s witness Mr. O’Neill’s rebuttal
3 testimony, he mentions high volumetric costs for larger customers may result from Staff’s
4 proposed rate design. Do you agree?

5 A. Staff does agree and has since included a discounted rate equal to the discount
6 provided in current rates for consumption over 100,000 gallons, currently utilized by only
7 industrial customers.

8 Q. Mr. O’Neill also mentions Staff used the incorrect consumption amount when
9 calculating rates in its proposed rate design, is this true?

10 A. Yes, due to incorrect data from Liberty Water, Staff did not have an accurate
11 calculation of gallons used by the customers to properly determine correct revenues.

12 Q. Has this been remedied?

13 A. Yes, after multiple updates to DR responses, meetings, and correspondence
14 between Liberty Water and Staff, Staff believes it has adequate data to calculate current
15 revenues and assume gallons to be billed in rate design.

16 Q. Has Staff calculated a new revenue requirement?

17 A. Yes. See the surrebuttal testimonies of Staff’s witnesses Angela Niemeier
18 (revenues) and Amanda C. McMellen (revenue requirement).

19 Q. Has Staff developed new rate design?

20 A. Yes. It is attached as Schedule MM-s1 as discussed earlier in this testimony.

21 **CONCLUSION**

22 Q. Does this conclude your surrebuttal testimony?

23 A. Yes, it does.

BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI

In the Matter of the Request of Liberty Utilities)
(Missouri Water) LLC d/b/a Liberty for)
Authority to Implement a General Rate)
Increase for Water and Wastewater Service)
Provided in its Missouri Service Areas)

Case No. WR-2024-0104

AFFIDAVIT OF MELANIE MAREK

STATE OF MISSOURI)
)
COUNTY OF COLE) ss.

COMES NOW MELANIE MAREK and on her oath declares that she is of sound mind and lawful age; that she contributed to the foregoing *Surrebuttal Testimony of Melanie Marek*; and that the same is true and correct according to her best knowledge and belief.

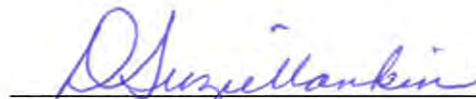
Further the Affiant sayeth not.


MELANIE MAREK

JURAT

Subscribed and sworn before me, a duly constituted and authorized Notary Public, in and for the County of Cole, State of Missouri, at my office in Jefferson City, on this 21st day of October 2024.

D. SUZIE MANKIN
Notary Public - Notary Seal
State of Missouri
Commissioned for Cole County
My Commission Expires: April 04, 2025
Commission Number: 12412070


Notary Public

Liberty Utilities (Missouri Water), LLC - Bolivar Water

Rate Making Income Statement

Operating Revenues at Current Rates

Tariffed Rate Revenues *	\$	1,813,027
Other Operating Revenues *	\$	46,730
Total Operating Revenues	\$	1,859,757

* See "Revenues - Current Rates" for Details

Cost of Service

Item	Amount
Total Source of Supply Expenses	\$ 187,273
Total Pumping Expenses	\$ 7,676
Total Water Treatment Expenses	\$ 249,803
Total Transmission & Distribution Expenses	\$ 382,612
Total Customer Accounts Expenses	\$ 130,458
Total Administration & General Expenses	\$ 772,196
Total Other Operating Expenses	\$ 430,273
Sub-Total Operating Expenses	\$ 2,160,291
Total Income Taxes	\$ (267,733)
Total Deferred Income Taxes	\$ (25,112)
Additional Current Tax Requirement	\$ 402,226
Sub-Total Taxes	\$ 109,381
Total Amortization Expense	\$ 161,276
Depreciation Expense	\$ 582,783
Sub-Total Depreciation/Interest/Amortization	\$ 744,059
Return on Equity	\$ 533,207
Total Cost of Service	\$ 3,546,938
Revenue Offset From Sewer*	\$ (374,447)
Cost to Recover in Rates	\$ 3,125,761
Overall Revenue Increase Needed	\$ 1,687,181

	Customer Charge	Commodity Charge	
0	\$ -	\$ 187,273	
0	\$ -	\$ 7,676	
0	\$ -	\$ 249,803	
0.5	\$ 191,306	\$ 191,306	
0.5	\$ 65,229	\$ 65,229	
0.5	\$ 386,098	\$ 386,098	
0.5	\$ 215,137	\$ 215,137	
	\$ 857,770	\$ 1,302,522	
1	\$ (267,733)	\$ -	
1	\$ (25,112)	\$ -	
1	\$ 402,226	\$ -	
	\$ 109,381	\$ -	
1	\$ 161,276	\$ -	
0.5	\$ 291,392	\$ 291,392	
	\$ 452,668	\$ 291,392	
0.5	\$ 266,603	\$ 266,603	
	\$ 1,686,421	\$ 1,860,516	\$ 3,546,938
0.5	\$ (187,224)	\$ (187,224)	
	\$ 1,452,468	\$ 1,673,293	\$ 3,125,761

*Staff proposes to keep Bolivar sewer rates unchanged, and to use excess revenues to reduce the increase for water

rate base	7,395,379
ROR %	7.21%

Liberty Utilities (Missouri Water), LLC

Revenue Annualizations at Current Rates - Bolivar Water

Annualized Customer Counts and Customer Charge Revenues

Retail Metered Customers

Service Area/ Meter Size	No. of Customers	Bills Per Year	Total Bills	Rate *	Annual Revenue
Bolivar Residential 1"	92	12	1,104	\$ 18.07	\$ 19,949
Bolivar Residential 2"	12	12	144	\$ 18.07	\$ 2,602
Bolivar Residential 3"	1	12	12	\$ 18.07	\$ 217
Bolivar Residential 3/4"	3,660	12	43,920	\$ 18.07	\$ 793,634
Bolivar Residential 5/8"	418	12	5,016	\$ 18.07	\$ 90,639
Bolivar Residential 1.5"	3	12	36	\$ 18.07	\$ 651
Bolivar Residential 1/2"	1	12	12	\$ 18.07	\$ 217
Bolivar Residential 4"	1	12	12	\$ 18.07	\$ 217
Bolivar Commercial 1"	124	12	1,488	\$ 21.26	\$ 31,635
Bolivar Commercial 2"	59	12	708	\$ 21.26	\$ 15,052
Bolivar Commercial 3"	16	12	192	\$ 21.26	\$ 4,082
Bolivar Commercial 3/4"	374	12	4,488	\$ 21.26	\$ 95,415
Bolivar Commercial 5/8"	41	12	492	\$ 21.26	\$ 10,460
Bolivar Commercial 1.5"	7	12	84	\$ 21.26	\$ 1,786
Bolivar Commercial 1/2"	-	12	-	\$ 21.26	\$ -
Bolivar Commercial 4"	6	12	72	\$ 21.26	\$ 1,531
Bolivar Interdepartmental 1"	2	12	24	\$ 21.26	\$ 510
Bolivar Interdepartmental 2"	1	12	12	\$ 21.26	\$ 255
Bolivar Interdepartmental 3"	2	12	24	\$ 21.26	\$ 510
Bolivar Interdepartmental 3/4"	10	12	120	\$ 21.26	\$ 2,551
Total	4,830		57,960		\$ 1,071,913

* Monthly Customer Charge

Annualized Commodity Sales - Volumes & Revenues

	Adjusted Gallons Sold	Rate	Annual Revenue
Bolivar Residential	109,064	\$ 3.72	\$ 405,719
Bolivar Commercial	89,970	\$ 3.72	\$ 334,687
Bolivar Interdepartmental	190	\$ 3.72	\$ 707
Total**	199,224		\$ 741,113

** These are the gallons subject to the existing tariff rates that include some gallons in the current customer charge.

Other Operating Revenues

Misc Income	\$ 14,411
Late Charge	\$ 31,694
Reconnect Fee	\$ 625
Total Other Revenues	\$ 46,730

Total Operating Revenues

Customer Charge Revenues	\$ 1,071,913
Commodity Charge Revenues	\$ 741,113
Sub-Total Tariffed Rate Revenues	\$ 1,813,027
Other Operating Revenues	\$ 46,730
Total Operating Revenues	\$ 1,859,757

Liberty Utilities (Missouri Water), LLC - Bolivar Water

Development of Tariffed Rates

Current Revenue	\$ 1,813,027
Agreed-Upon Overall Revenue Increase	\$ 1,687,181
Percentage Increase Needed	93%

Metered Customer Rates				
Service Area/ Meter Size	Current Customer Charge	Proposed Customer Charge	Current Usage Rate	Proposed Usage Rate
Bolivar Residential 1"	\$ 18.07	\$ 39.62	\$ 3.72	\$ 5.78
Bolivar Residential 2"	\$ 18.07	\$ 79.23	\$ 3.72	\$ 5.78
Bolivar Residential 3"	\$ 18.07	\$ 113.19	\$ 3.72	\$ 5.78
Bolivar Residential 3/4"	\$ 18.07	\$ 22.64	\$ 3.72	\$ 5.78
Bolivar Residential 5/8"	\$ 18.07	\$ 22.64	\$ 3.72	\$ 5.78
Bolivar Residential 1.5"	\$ 18.07	\$ 67.91	\$ 3.72	\$ 5.78
Bolivar Residential 1/2"	\$ 18.07	\$ 22.64	\$ 3.72	\$ 5.78
Bolivar Residential 4"	\$ 18.07	\$ 226.37	\$ 3.72	\$ 5.78
Bolivar Commercial 1"	\$ 21.26	\$ 39.62	\$ 3.72	\$ 5.78
Bolivar Commercial 2"	\$ 21.26	\$ 79.23	\$ 3.72	\$ 5.78
Bolivar Commercial 3"	\$ 21.26	\$ 113.19	\$ 3.72	\$ 5.78
Bolivar Commercial 3/4"	\$ 21.26	\$ 22.64	\$ 3.72	\$ 5.78
Bolivar Commercial 5/8"	\$ 21.26	\$ 22.64	\$ 3.72	\$ 5.78
Bolivar Commercial 1.5"	\$ 21.26	\$ 67.91	\$ 3.72	\$ 5.78
Bolivar Commercial 1/2"	\$ 21.26	\$ 22.64	\$ 3.72	\$ 5.78
Bolivar Commercial 4"	\$ 21.26	\$ 226.37	\$ 3.72	\$ 5.78
Bolivar Interdepartmental 1"	\$ 21.26	\$ 39.62	\$ 3.72	\$ 5.78
Bolivar Interdepartmental 2"	\$ 21.26	\$ 79.23	\$ 3.72	\$ 5.78
Bolivar Interdepartmental 3"	\$ 21.26	\$ 113.19	\$ 3.72	\$ 5.78
Bolivar Interdepartmental 3/4"	\$ 21.26	\$ 22.64	\$ 3.72	\$ 5.78

Customer Charge	Number of Customers	Factor*	Customer Equivalents	Proposed Customer Charge
1/2"	1	1	1	\$ 22.64
5/8"	459	1	459	\$ 22.64
3/4"	4044	1	4,044	\$ 22.64
1"	218	1.75	382	\$ 39.62
1 1/2"	10	3	30	\$ 67.91
2"	72	3.5	252	\$ 79.23
3"	19	5	95	\$ 113.19
4"	7	10	70	\$ 226.37
6"	0	20	-	\$ 452.74
Flat Rate - Unmetered	6	2.4	14	\$ 54.33
	4,836		5,347	

Customer Charge Calculation: \$ 1,452,468 \$ 22.64

Commodity	Gallons**	Proposed
\$ 1,673,293	289,524,728	\$ 5.78

*While a factor of 1 is typical for a single family home with a 5/8" meter, staff proposes to use this same factor for 3/4" and 1/2" because this meter size is also deployed on single family homes within Liberty's service areas

** These are total gallons billed to customers, not just those previously subjected to a commodity rate

Liberty Utilities (Missouri Water), LLC - Bolivar Water

Revenue Annualizations at Proposed Rates

Annualized Customer Counts and Customer Charge Revenues

Meter Size	No. of Customers	Bills Per Year	Total Bills	Rate *	Annual Revenue
1/2"	1	12	12	\$ 22.64	\$ 272
5/8"	459	12	5,508	\$ 22.64	\$ 124,686
3/4"	4044	12	48,528	\$ 22.64	\$ 1,098,539
1"	218	12	2,616	\$ 39.62	\$ 103,633
1 1/2"	10	12	120	\$ 67.91	\$ 8,149
2"	72	12	864	\$ 79.23	\$ 68,455
3"	19	12	228	\$ 113.19	\$ 25,806
4"	7	12	84	\$ 226.37	\$ 19,015
6"	0	12	-	\$ 452.74	\$ -
Flat Rate - Unmetered	6	12	72	\$ 54.33	\$ 3,912
Total	4829		58,020		\$ 1,452,468

* Monthly Customer Charge

Annualized Commodity Sales - Volumes & Revenues

	Total Sales	Rate	Annual Revenue
	289,525	\$ 5.78	\$ 1,673,293
Total	289,525		\$ 1,673,293

Other Operating Revenues

Total Other Revenues \$ 46,730

Total Operating Revenues

Customer Charge Revenues	\$ 1,452,468
Commodity Charge Revenues	\$ 1,673,293
Sub-Total Tariffed Rate Revenues	\$ 3,125,761
Other Operating Revenues	\$ 46,730
Total Revenues at Proposed Rates	\$ 3,172,491

Revenue Check - Proposed Rates vs. Current Rates

Total Revenues at Proposed Rates	\$ 3,172,491
Total Revenues at Current Tariffed Rates	\$ 1,859,757
Increase in Revenues at Proposed Rates	\$ 1,312,734
Agreed-Upon Increase in Operating Revenues	\$ 1,687,181
Revenue Offset From Sewer	\$ (374,447)

Liberty Utilities (Missouri Water), LLC - Bolivar Water Residential Customer Bill Comparison

	<u>Proposed Rates</u>	
Customer Charge	\$	22.64
Usage Charge	\$	23.12
Total Bill	\$	45.76

MONTHLY BILL COMPARISON

	<u>Bolivar Current Rates</u>	
Customer Charge	\$	18.07
Usage Charge	\$	7.44
Total Bill	\$	25.51

Customer Bill Increases/Decreases

\$ Increase	\$	20.25
% Increase		79.36%

Liberty Utilities (Missouri Water), LLC - Water, All Other Service Areas

Rate Making Income Statement

Operating Revenues at Current Rates

Tariffed Rate Revenues *	\$	4,073,539
Other Operating Revenues *	\$	120,368
Total Operating Revenues	\$	4,193,907

* See "Revenues - Current Rates" for Details

Cost of Service

Item	Amount	Customer Charge	Commodity Charge
Total Source of Supply Expenses	\$ 639,863	0 \$ -	\$ 639,863
Total Pumping Expenses	\$ 878,677	0 \$ -	\$ 878,677
Total Water Treatment Expenses	\$ 265,204	0 \$ -	\$ 265,204
Total Transmission & Distribution Expenses	\$ 373,536	0.5 \$ 186,768	\$ 186,768
Total Customer Accounts Expenses	\$ 61,621	0.5 \$ 30,811	\$ 30,811
Total Administration & General Expenses	\$ 2,403,522	0.5 \$ 1,201,761	\$ 1,201,761
Total Other Operating Expenses	\$ 400,354	0.5 \$ 200,177	\$ 200,177
Sub-Total Operating Expenses	\$ 5,022,777	\$ 1,619,517	\$ 3,403,261
Total Income Taxes	\$ (681,929)	1 \$ (681,929)	\$ -
Total Deferred Income Taxes	\$ (91,090)	1 \$ (91,090)	\$ -
Additional Current Tax Requirement	\$ 1,190,110	1 \$ 1,190,110	\$ -
Sub-Total Taxes	\$ 417,091	\$ 417,091	\$ -
Total Amortization Expense	\$ -	1 \$ -	\$ -
Depreciation Expense	\$ 1,686,334	0.5 \$ 843,167	\$ 843,167
Sub-Total Depreciation/Interest/Amortization	\$ 1,686,334	\$ 843,167	\$ 843,167
Return on Equity	\$ 2,059,749	0.5 \$ 1,029,875	\$ 1,029,875
Total Cost of Service	\$ 9,185,951	\$ 3,909,649	\$ 5,276,302
Cost to Recover in Rates	\$ 9,065,583	\$ 3,789,281	\$ 5,276,302
Overall Revenue Increase Needed	\$ 4,992,044		

rate base 28,567,952
ROR % 7.21%

Liberty Utilities (Missouri Water), LLC - Water, All Other Service Areas

Revenue Annualizations at Current Rates

Annualized Customer Counts and Customer Charge Revenues

Retail Metered Customers

Service Area/ Meter Size	No. of Customers	Bills Per Year	Total Bills	Rate *	Annual Revenue
Noel Residential 5/8"	537	12	6,444	\$ 23.86	\$ 153,754
Noel Residential 3/4"	10	12	120	\$ 33.41	\$ 4,009
Noel Residential 1"	1	12	12	\$ 40.56	\$ 487
Noel Residential 2"	-	12	-	\$ 126.46	\$ -
Noel Residential 4"	-	12	-	\$ 334.05	\$ -
Noel Commercial 1"	16	12	192	\$ 40.56	\$ 7,788
Noel Commercial 2"	5	12	60	\$ 126.46	\$ 7,588
Noel Commercial 3/4"	10	12	120	\$ 33.41	\$ 4,009
Noel Commercial 4"	-	12	-	\$ 334.05	\$ -
Noel Commercial 5/8"	70	12	840	\$ 23.86	\$ 20,042
Noel Commercial 6"	1	12	12	\$ 501.08	\$ 6,013
Noel Sprinkler*	1	12	12	\$ 23.86	\$ 286
Noel Industrial 5/8"	-	12	-	\$ 23.86	\$ -
Noel Industrial 3/4"	-	12	-	\$ 33.41	\$ -
Noel Industrial 1"	-	12	-	\$ 40.56	\$ -
Noel Industrial 2"	1	12	12	\$ 126.46	\$ 1,518
Noel Industrial 4"	2	12	24	\$ 334.05	\$ 8,017
Noel Industrial 6"	1	12	12	\$ 501.08	\$ 6,013
KMB Residential 5/8"	398	12	4,776	\$ 30.04	\$ 143,471
KMB Residential 3/4"	96	12	1,152	\$ 30.04	\$ 34,606
KMB Residential 1"	1	12	12	\$ 60.08	\$ 721
KMB Sprinkler*	5	12	60	\$ 30.04	\$ 1,802
KMB Commercial 5/8"	23	12	276	\$ 30.04	\$ 8,291
KMB Commercial 3/4"	2	12	24	\$ 30.04	\$ 721
KMB Commercial 1"	7	12	84	\$ 60.08	\$ 5,047
Silverleaf Residential 3/4"	473	12	5,676	\$ 26.65	\$ 151,265
Silverleaf Residential 1"	1	12	12	\$ 45.31	\$ 544
Silverleaf Residential 2"	54	12	648	\$ 106.61	\$ 69,083
Silverleaf Residential 3"	6	12	72	\$ 293.17	\$ 21,108
Silverleaf Residential 4"	-	12	-	\$ 373.13	\$ -
Silverleaf Residential 5/8"*	8	12	96	\$ 26.65	\$ 2,558
Silverleaf Commercial 1"	14	12	168	\$ 45.31	\$ 7,612
Silverleaf Commercial 2"	20	12	240	\$ 106.61	\$ 25,586
Silverleaf Commercial 3"	2	12	24	\$ 293.17	\$ 7,036
Silverleaf Commercial 3/4"	30	12	360	\$ 26.65	\$ 9,594
Silverleaf Commercial 4"	3	12	36	\$ 373.13	\$ 13,433
Silverleaf Commercial 5/8"*	7	12	84	\$ 26.65	\$ 2,239
Silverleaf Industrial 1"	5	12	60	\$ 45.31	\$ 2,719
Silverleaf Industrial 2"	6	12	72	\$ 106.61	\$ 7,676
Silverleaf Industrial 3/4"	9	12	108	\$ 26.65	\$ 2,878
Franklin Residential 3/4"	41	12	492	\$ 5.70	\$ 2,804
Franklin Residential 5/8"	148	12	1,776	\$ 5.70	\$ 10,123

Franklin Sprinkler*	3	12	36	\$ 5.70	\$ 205
Empire Residential 3/4"*	1,889	12	22,668	\$ 12.93	\$ 293,097
Empire Residential 5/8"	2,201	12	26,412	\$ 12.93	\$ 341,507
Empire Residential 1"	15	12	180	\$ 28.32	\$ 5,098
Empire Residential 2"	5	12	60	\$ 84.76	\$ 5,086
Empire Residential 4"	-	12	-	\$ 259.14	\$ -
Empire Residential 6"	-	12	-	\$ 515.46	\$ -
Empire Tank	-	12	-	\$ 18.35	\$ -
Empire Sprinkler*	52	12	624	\$ 12.93	\$ 8,068
Empire Commercial 1"	73	12	876	\$ 28.32	\$ 24,808
Empire Commercial 2"	79	12	948	\$ 84.76	\$ 80,352
Empire Commercial 3/4"	129	12	1,548	\$ 12.93	\$ 20,016
Empire Commercial 5/8"	187	12	2,244	\$ 12.93	\$ 29,015
Empire Commercial 4"	4	12	48	\$ 259.14	\$ 12,439
Empire Sprinkler*	8	12	96	\$ 12.93	\$ 1,241
Empire Tank	-	12	-	\$ 18.35	\$ -
Empire Industrial 2"	3	12	36	\$ 84.76	\$ 3,051
Empire Industrial 5/8"	2	12	24	\$ 12.93	\$ 310
Empire Industrial 4"	6	12	72	\$ 259.14	\$ 18,658
Empire Interdepartmental 2"	1	12	12	\$ 84.76	\$ 1,017
Empire Interdepartmental 5/8"	1	12	12	\$ 12.93	\$ 155
Empire Municipal Bldg 1"	2	12	24	\$ 28.32	\$ 680
Empire Municipal Bldg 2"	1	12	12	\$ 84.76	\$ 1,017
Empire Municipal Bldg 5/8"	1	12	12	\$ 12.93	\$ 155
Empire Municipal Pump 1"	3	12	36	\$ 28.32	\$ 1,020
Empire Municipal Pump 2"	5	12	60	\$ 84.76	\$ 5,086
Empire Municipal Pump 3/4"	7	12	84	\$ 12.93	\$ 1,086
Empire Municipal Pump 5/8"	5	12	60	\$ 12.93	\$ 776
Empire Fire Hydrant*	159	12	1,908	\$ 31.93	\$ 60,921
Empire Sprinkler Systems	18	12	216	\$ 20.58	\$ 4,445
Empire Tank Water	-	12	-	\$ 18.35	\$ -
Oakbrier Residential 5/8"	54	12	648	\$ 15.07	\$ 9,765
Oakbrier Residential 1/2"	2	12	24	\$ 15.07	\$ 362
Oakbrier Sprinkler	1	12	12	\$ 15.07	\$ 181
Lakeland Heights Residential 5/8"	98	12	1,176	\$ 15.50	\$ 18,228
Lakeland Heights Residential 1/2"	1	12	12	\$ 15.50	\$ 186
Whispering Hills Residential 5/8"	11	12	132	\$ 20.69	\$ 2,731
Whispering Hills Residential 1/2"	35	12	420	\$ 20.69	\$ 8,690
Bilyeu Ridge Residential 3/4"	63	12	756	\$ 17.22	\$ 13,018
Bilyeu Ridge Residential 5/8"	1	12	12	\$ 17.22	\$ 207
Hidden Meadows Residential 3/4"	86	12	1,032	\$ 9.49	\$ 9,794
Hidden Meadows Residential 5/8"	6	12	72	\$ 9.49	\$ 683
Moore Bend Residential 3/4"	22	12	264	\$ 28.13	\$ 7,426
Moore Bend Residential 5/8"	51	12	612	\$ 28.13	\$ 17,216
Riverfork Residential 3/4"	154	12	1,848	\$ 21.56	\$ 39,843
Riverfork Residential 5/8"	7	12	84	\$ 21.56	\$ 1,811
Riverfork Residential 1"	10	12	120	\$ 21.56	\$ 2,587
Taney County Residential 3/4"	359	12	4,308	\$ 12.55	\$ 54,065
Taney County Residential 5/8"	118	12	1,416	\$ 12.55	\$ 17,771
Taney County Residential 1"	-	12	-	\$ 12.55	\$ -
Taney County Commercial 3/4"	3	12	36	\$ 12.55	\$ 452

Taney County Commercial 5/8"	1	12	12	\$ 12.55	\$ 151
Taney County Commercial 1"	1	12	12	\$ 12.55	\$ 151
Taney County Industrial 1"	-	12	-	\$ 12.55	\$ -
Taney County Industrial 3/4"	-	12	-	\$ 12.55	\$ -
Valley Woods Residential 3/4"	40	12	480	\$ 20.97	\$ 10,066
Valley Woods Residential 5/8"	2	12	24	\$ 20.97	\$ 503
Valley Woods Commercial 1"	1	12	12	\$ 20.97	\$ 252
Valley Woods Commercial 3/4"	1	12	12	\$ 20.97	\$ 252
Total	8,001		96,012		\$ 1,886,141

* Assumed rate based on reported revenues

Annualized Commodity Sales - Volumes & Revenues

	Adjusted Gallons Sold	Rate	Annual Revenue
Noel Residential 5/8"	30,686	\$ 3.08	\$ 94,513
Noel Residential 3/4"	571	\$ 3.08	\$ 1,760
Noel Residential 1"	57	\$ 3.08	\$ 176
Noel Residential 2"	-	\$ 3.08	\$ -
Noel Residential 4"	-	\$ 3.08	\$ -
Noel Commercial 1"	3,053	\$ 3.08	\$ 9,405
Noel Commercial 2"	954	\$ 3.08	\$ 2,939
Noel Commercial 3/4"	1,908	\$ 3.08	\$ 5,878
Noel Commercial 4"	-	\$ 3.08	\$ -
Noel Commercial 5/8"	13,359	\$ 3.08	\$ 41,146
Noel Commercial 6"	191	\$ 3.08	\$ 588
Noel Sprinkler	191	\$ 3.08	\$ 588
Noel Industrial 5/8"	-	\$ 2.86	\$ -
Noel Industrial 3/4"	-	\$ 2.86	\$ -
Noel Industrial 1"	-	\$ 2.86	\$ -
Noel Industrial 2"	-	\$ 2.86	\$ -
Noel Industrial 4"	-	\$ 2.86	\$ -
Noel Industrial 6"	-	\$ 2.86	\$ -
KMB Residential 5/8"	18,923	\$ 6.87	\$ 130,003
KMB Residential 3/4"	4,564	\$ 6.87	\$ 31,357
KMB Residential 1"	48	\$ 6.87	\$ 327
KMB Sprinkler	238	\$ 6.87	\$ 1,633
KMB Commercial 5/8"	1,139	\$ 6.87	\$ 7,823
KMB Commercial 3/4"	99	\$ 6.87	\$ 680
KMB Commercial 1"	347	\$ 6.87	\$ 2,381
Silverleaf Residential 3/4"	22,467	\$ 6.88	\$ 154,573
Silverleaf Residential 1"	60	\$ 6.88	\$ 412
Silverleaf Residential 2"	4,019	\$ 6.88	\$ 27,651
Silverleaf Residential 3"	277	\$ 6.88	\$ 1,907
Silverleaf Residential 4"	-	\$ 6.88	\$ -
Silverleaf Residential 5/8"	397	\$ 6.88	\$ 2,732
Silverleaf Commercial 1"	2,352	\$ 6.88	\$ 16,181
Silverleaf Commercial 2"	3,324	\$ 6.88	\$ 22,871
Silverleaf Commercial 3"	246	\$ 6.88	\$ 1,695
Silverleaf Commercial 3/4"	4,410	\$ 6.88	\$ 30,340

Silverleaf Commercial 4"	435	\$	6.88	\$	2,993
Silverleaf Commercial 5/8"	709	\$	6.88	\$	4,879
Silverleaf Industrial 1"	735	\$	6.88	\$	5,055
Silverleaf Industrial 2"	882	\$	6.88	\$	6,065
Silverleaf Industrial 3/4"	1,322	\$	6.88	\$	9,098
Franklin Residential 3/4"	1,974	\$	2.61	\$	5,153
Franklin Residential 5/8"	7,127	\$	2.61	\$	18,601
Franklin Sprinkler	144	\$	2.61	\$	377
Empire Residential 3/4"	90,146	\$	4.30	\$	387,630
Empire Residential 5/8"	105,036	\$	4.30	\$	451,653
Empire Residential 1"	716	\$	4.30	\$	3,078
Empire Residential 2"	239	\$	4.30	\$	1,026
Empire Residential 4"	-	\$	4.30	\$	-
Empire Residential 6"	-	\$	4.30	\$	-
Empire Residential Tank	-	\$	18.35	\$	-
Empire Residential Sprinkler	2,482	\$	4.30	\$	10,671
Empire Residential over 100,000 gal	2,482	\$	1.52	\$	3,773
Empire Commercial 1"	7,959	\$	4.30	\$	34,223
Empire Commercial 2"	8,613	\$	4.30	\$	37,036
Empire Commercial 3/4"	14,064	\$	4.30	\$	60,476
Empire Commercial 5/8"	20,388	\$	4.30	\$	87,667
Empire Commercial 4"	436	\$	4.30	\$	1,875
Empire Commercial Sprinkler	872	\$	4.30	\$	3,750
Empire Commercial Tank	96	\$	18.35	\$	1,770
Empire Commercial over 100,000 gal	10,338	\$	1.52	\$	15,714
Empire Industrial 2"	2,084	\$	4.30	\$	8,961
Empire Industrial 5/8"	1,389	\$	4.30	\$	5,974
Empire Industrial 4"	4,168	\$	4.30	\$	17,922
Empire Industrial over 100,000 gal	102,573	\$	1.52	\$	155,911
Empire Interdepartmental 2"	57	\$	4.30	\$	243
Empire Interdepartmental 5/8"	57	\$	4.30	\$	243
Empire Interdepartmental over 100,000 gal	710	\$	1.52	\$	1,079
Empire Municipal Bldg 1"	255	\$	4.30	\$	1,097
Empire Municipal Bldg 2"	128	\$	4.30	\$	548
Empire Municipal Bldg 5/8"	128	\$	4.30	\$	548
Empire Municipal Pump 1"	383	\$	4.30	\$	1,645
Empire Municipal Pump 2"	638	\$	4.30	\$	2,742
Empire Municipal Pump 3/4"	893	\$	4.30	\$	3,839
Empire Municipal Pump 5/8"	638	\$	4.30	\$	2,742
Empire Municipal over 100,000 gal	6,650	\$	1.52	\$	10,108
Empire Fire Hydrant	-	\$	-	\$	-
Oakbrier Residential 5/8"	1,820	\$	3.39	\$	6,169
Oakbrier Residential 1/2"	67	\$	3.39	\$	228
Oakbrier Sprinkler	34	\$	3.39	\$	114
Lakeland Heights Residential 5/8"	755	\$	5.63	\$	4,253
Lakeland Heights Residential 1/2"	8	\$	5.63	\$	43
Whispering Hills Residential 5/8"	190	\$	3.67	\$	696
Whispering Hills Residential 1/2"	604	\$	3.67	\$	2,215
Bilyeu Ridge Residential 3/4"	3,399	\$	3.56	\$	12,101
Bilyeu Ridge Residential 5/8"	54	\$	3.56	\$	192
Hidden Meadows Residential 3/4"	5,084	\$	4.71	\$	23,947

Hidden Meadows Residential 5/8"	355	\$ 4.71	\$	1,671
Moore Bend Residential 3/4"	341	\$ 10.31	\$	3,514
Moore Bend Residential 5/8"	790	\$ 10.31	\$	8,146
Riverfork Residential 3/4"	12,699	\$ 2.08	\$	26,414
Riverfork Residential 5/8"	577	\$ 2.08	\$	1,201
Riverfork Residential 1"	825	\$ 2.08	\$	1,715
Taney County Residential 3/4"	17,612	\$ 5.63	\$	99,156
Taney County Residential 5/8"	5,789	\$ 5.63	\$	32,591
Taney County Residential 1"	-	\$ 5.63	\$	-
Taney County Commercial 3/4"	31	\$ 5.63	\$	172
Taney County Commercial 5/8"	10	\$ 5.63	\$	57
Taney County Commercial 1"	10	\$ 5.63	\$	57
Taney County Industrial 1"	-	\$ 5.63	\$	-
Taney County Industrial 3/4"	-	\$ 5.63	\$	-
Valley Woods Residential 3/4"	2,641	\$ 2.12	\$	5,599
Valley Woods Residential 5/8"	132	\$ 2.12	\$	280
Valley Woods Commercial 1"	267	\$ 2.12	\$	566
Valley Woods Commercial 3/4"	267	\$ 2.12	\$	566
Total**	566,185		\$	2,187,392

** These are the gallons subject to the existing tariff rates that include some gallons in the current customer charge.

Other Operating Revenues

Misc Income	\$ 13,243
Service Charges	\$ 44,145
Late Charge	\$ 58,147
Reconnect Fee	\$ 4,833
Total Other Revenues	\$ 120,368

Total Operating Revenues

Customer Charge Revenues	\$ 1,886,141
Commodity Charge Revenues	\$ 2,187,392
Sub-Total Tariffed Rate Revenues	\$ 4,073,539
Other Operating Revenues	\$ 120,368
Total Operating Revenues	\$ 4,193,907

Liberty Utilities (Missouri Water), LLC - Water, All Other Service Areas

Development of Tariffed Rates

Current Revenue	\$ 4,073,539
Agreed-Upon Overall Revenue Increase	\$ 4,992,044
Percentage Increase Needed	123%

Metered Customer Rates

Service Area/ Meter Size	Current Customer Charge	Proposed Customer Charge	Current Usage Rate	Proposed Usage Rate
Noel Residential 5/8"	\$ 23.86	\$ 35.25	\$ 3.08	\$ 7.92
Noel Residential 3/4"	\$ 33.41	\$ 35.25	\$ 3.08	\$ 7.92
Noel Residential 1"	\$ 40.56	\$ 61.68	\$ 3.08	\$ 7.92
Noel Residential 2"	\$ 126.46	\$ 123.36	\$ 3.08	\$ 7.92
Noel Residential 4"	\$ 334.05	\$ 352.46	\$ 3.08	\$ 7.92
Noel Commercial 1"	\$ 40.56	\$ 61.68	\$ 3.08	\$ 7.92
Noel Commercial 2"	\$ 126.46	\$ 123.36	\$ 3.08	\$ 7.92
Noel Commercial 3/4"	\$ 33.41	\$ 35.25	\$ 3.08	\$ 7.92
Noel Commercial 4"	\$ 334.05	\$ 352.46	\$ 3.08	\$ 7.92
Noel Commercial 5/8"	\$ 23.86	\$ 35.25	\$ 3.08	\$ 7.92
Noel Commercial 6"	\$ 501.08	\$ 704.93	\$ 3.08	\$ 7.92
Noel Sprinkler*	\$ 23.86	\$ 61.68	\$ 3.08	\$ 7.92
Noel Industrial 5/8"	\$ 23.86	\$ 35.25	\$ 2.86	\$ 7.92
Noel Industrial 3/4"	\$ 33.41	\$ 35.25	\$ 2.86	\$ 7.92
Noel Industrial 1"	\$ 40.56	\$ 61.68	\$ 2.86	\$ 7.92
Noel Industrial 2"	\$ 126.46	\$ 123.36	\$ 2.86	\$ 7.92
Noel Industrial 4"	\$ 334.05	\$ 352.46	\$ 2.86	\$ 7.92
Noel Industrial 6"	\$ 501.08	\$ 704.93	\$ 2.86	\$ 7.92
KMB Residential 5/8"	\$ 30.04	\$ 35.25	\$ 6.87	\$ 7.92
KMB Residential 3/4"	\$ 30.04	\$ 35.25	\$ 6.87	\$ 7.92
KMB Residential 1"	\$ 60.08	\$ 61.68	\$ 6.87	\$ 7.92
KMB Sprinkler*	\$ 30.04	\$ 61.68	\$ 6.87	\$ 7.92
KMB Commercial 5/8"	\$ 30.04	\$ 35.25	\$ 6.87	\$ 7.92
KMB Commercial 3/4"	\$ 30.04	\$ 35.25	\$ 6.87	\$ 7.92
KMB Commercial 1"	\$ 60.08	\$ 61.68	\$ 6.87	\$ 7.92
Silverleaf Residential 3/4"	\$ 26.65	\$ 35.25	\$ 6.88	\$ 7.92
Silverleaf Residential 1"	\$ 45.31	\$ 61.68	\$ 6.88	\$ 7.92
Silverleaf Residential 2"	\$ 106.61	\$ 123.36	\$ 6.88	\$ 7.92
Silverleaf Residential 3"	\$ 293.17	\$ 176.23	\$ 6.88	\$ 7.92
Silverleaf Residential 4"	\$ 373.13	\$ 352.46	\$ 6.88	\$ 7.92
Silverleaf Residential 5/8"*	\$ 26.65	\$ 35.25	\$ 6.88	\$ 7.92
Silverleaf Commercial 1"	\$ 45.31	\$ 61.68	\$ 6.88	\$ 7.92
Silverleaf Commercial 2"	\$ 106.61	\$ 123.36	\$ 6.88	\$ 7.92
Silverleaf Commercial 3"	\$ 293.17	\$ 176.23	\$ 6.88	\$ 7.92
Silverleaf Commercial 3/4"	\$ 26.65	\$ 35.25	\$ 6.88	\$ 7.92
Silverleaf Commercial 4"	\$ 373.13	\$ 352.46	\$ 6.88	\$ 7.92
Silverleaf Commercial 5/8"*	\$ 26.65	\$ 35.25	\$ 6.88	\$ 7.92
Silverleaf Industrial 1"	\$ 45.31	\$ 61.68	\$ 6.88	\$ 7.92
Silverleaf Industrial 2"	\$ 106.61	\$ 123.36	\$ 6.88	\$ 7.92
Silverleaf Industrial 3/4"	\$ 26.65	\$ 35.25	\$ 6.88	\$ 7.92
Franklin Residential 3/4"	\$ 5.70	\$ 35.25	\$ 2.61	\$ 7.92
Franklin Residential 5/8"	\$ 5.70	\$ 35.25	\$ 2.61	\$ 7.92

Franklin Sprinkler*	\$ 5.70	\$ 61.68	\$ 2.61	\$ 7.92
Empire Residential 3/4"	\$ 12.93	\$ 35.25	\$ 4.30	\$ 7.92
Empire Residential 5/8"	\$ 12.93	\$ 35.25	\$ 4.30	\$ 7.92
Empire Residential 1"	\$ 28.32	\$ 61.68	\$ 4.30	\$ 7.92
Empire Residential 2"	\$ 84.76	\$ 123.36	\$ 4.30	\$ 7.92
Empire Residential 4"	\$ 259.14	\$ 352.46	\$ 4.30	\$ 7.92
Empire Residential 6"	\$ 515.46	\$ 704.93	\$ 4.30	\$ 7.92
Empire Tank	\$ 18.35	\$ 61.68	\$ 18.35	\$ 7.92
Empire Sprinkler*	\$ 12.93	\$ 61.68	\$ 4.30	\$ 7.92
Empire Commercial 1"	\$ 28.32	\$ 61.68	\$ 1.52	\$ 7.92
Empire Commercial 2"	\$ 84.76	\$ 123.36	\$ 4.30	\$ 7.92
Empire Commercial 3/4"	\$ 12.93	\$ 35.25	\$ 4.30	\$ 7.92
Empire Commercial 5/8"	\$ 12.93	\$ 35.25	\$ 4.30	\$ 7.92
Empire Commercial 4"	\$ 259.14	\$ 352.46	\$ 4.30	\$ 7.92
Empire Sprinkler*	\$ 12.93	\$ 61.68	\$ 4.30	\$ 7.92
Empire Tank	\$ 18.35	\$ 61.68	\$ 18.35	\$ 7.92
Empire Industrial 2"	\$ 84.76	\$ 123.36	\$ 4.30	\$ 7.92
Empire Industrial 5/8"	\$ 12.93	\$ 35.25	\$ 1.52	\$ 7.92
Empire Industrial 4"	\$ 259.14	\$ 352.46	\$ 4.30	\$ 7.92
Empire Interdepartmental 2"	\$ 84.76	\$ 123.36	\$ 4.30	\$ 7.92
Empire Interdepartmental 5/8"	\$ 12.93	\$ 35.25	\$ 4.30	\$ 7.92
Empire Municipal Bldg 1"	\$ 28.32	\$ 61.68	\$ 1.52	\$ 7.92
Empire Municipal Bldg 2"	\$ 84.76	\$ 123.36	\$ 4.30	\$ 7.92
Empire Municipal Bldg 5/8"	\$ 12.93	\$ 35.25	\$ 4.30	\$ 7.92
Empire Municipal Pump 1"	\$ 28.32	\$ 61.68	\$ 1.52	\$ 7.92
Empire Municipal Pump 2"	\$ 84.76	\$ 123.36	\$ 4.30	\$ 7.92
Empire Municipal Pump 3/4"	\$ 12.93	\$ 35.25	\$ 4.30	\$ 7.92
Empire Municipal Pump 5/8"	\$ 12.93	\$ 35.25	\$ 4.30	\$ 7.92
Empire Fire Hydrant*	\$ 31.93	\$ 61.68	\$ 4.30	\$ 7.92
Oakbrier Residential 5/8"	\$ 15.07	\$ 35.25	\$ 4.30	\$ 7.92
Oakbrier Residential 1/2"	\$ 15.07	\$ 35.25	\$ 4.30	\$ 7.92
Oakbrier Sprinkler	\$ 15.07	\$ 61.68	\$ 4.30	\$ 7.92
Lakeland Heights Residential 5/8"	\$ 15.50	\$ 35.25	\$ 1.52	\$ 7.92
Lakeland Heights Residential 1/2"	\$ 15.50	\$ 35.25	\$ -	\$ 7.92
Whispering Hills Residential 5/8"	\$ 20.69	\$ 35.25	\$ 3.39	\$ 7.92
Whispering Hills Residential 1/2"	\$ 20.69	\$ 35.25	\$ 3.39	\$ 7.92
Bilyeu Ridge Residential 3/4"	\$ 17.22	\$ 35.25	\$ 3.39	\$ 7.92
Bilyeu Ridge Residential 5/8"	\$ 17.22	\$ 35.25	\$ 5.63	\$ 7.92
Hidden Meadows Residential 3/4"	\$ 9.49	\$ 35.25	\$ 5.63	\$ 7.92
Hidden Meadows Residential 5/8"	\$ 9.49	\$ 35.25	\$ 3.67	\$ 7.92
Moore Bend Residential 3/4"	\$ 28.13	\$ 35.25	\$ 3.67	\$ 7.92
Moore Bend Residential 5/8"	\$ 28.13	\$ 35.25	\$ 3.56	\$ 7.92
Riverfork Residential 3/4"	\$ 21.56	\$ 35.25	\$ 3.56	\$ 7.92
Riverfork Residential 5/8"	\$ 21.56	\$ 35.25	\$ 4.71	\$ 7.92
Riverfork Residential 1"	\$ 21.56	\$ 61.68	\$ 4.71	\$ 7.92
Taney County Residential 3/4"	\$ 12.55	\$ 35.25	\$ 10.31	\$ 7.92
Taney County Residential 5/8"	\$ 12.55	\$ 35.25	\$ 10.31	\$ 7.92
Taney County Residential 1"	\$ 12.55	\$ 61.68	\$ 2.08	\$ 7.92
Taney County Commercial 3/4"	\$ 12.55	\$ 35.25	\$ 2.08	\$ 7.92
Taney County Commercial 5/8"	\$ 12.55	\$ 35.25	\$ 2.08	\$ 7.92
Taney County Commercial 1"	\$ 12.55	\$ 61.68	\$ 5.63	\$ 7.92
Taney County Industrial 1"	\$ 12.55	\$ 61.68	\$ 5.63	\$ 7.92
Taney County Industrial 3/4"	\$ 12.55	\$ 35.25	\$ 5.63	\$ 7.92
Valley Woods Residential 3/4"	\$ 20.97	\$ 35.25	\$ 5.63	\$ 7.92
Valley Woods Residential 5/8"	\$ 20.97	\$ 35.25	\$ 5.63	\$ 7.92

Valley Woods Commercial 1"	\$ 20.97	\$ 61.68	\$ 5.63	\$ 7.92
Valley Woods Commercial 3/4"	\$ 20.97	\$ 35.25	\$ 5.63	\$ 7.92

Customer Charge	Number of Customers	Factor**	Customer Equivalents	Proposed Customer Charge
1/2"	38	1	38	\$ 35.25
5/8"	3937	1	3,937	\$ 35.25
3/4"	3424	1	3,424	\$ 35.25
1"	150	1.75	263	\$ 61.68
1 1/2"	0	3	-	\$ 105.74
2"	180	3.5	630	\$ 123.36
3"	8	5	40	\$ 176.23
4"	15	10	150	\$ 352.46
6"	2	20	40	\$ 704.93
Flat Rate - Unmetered	250	1.75	438	\$ 61.68
	8,004		8,959	

Customer Charge Calculation: \$ 3,789,281 \$ 35.25

Commodity	Gallons***	Proposed
\$ 5,276,014	665,995,258	\$ 7.92
\$ 288	103,773	\$ 2.77

**While a factor of 1 is typical for a single family home with a 5/8" meter, staff proposes to use this same factor for 3/4" and 1/2" because this meter size is also deployed on single family homes within Liberty's service areas

*** These are total gallons billed to customers, not just those previously subjected to a commodity rate

Liberty Utilities (Missouri Water), LLC - Water, All Other Service Areas

Revenue Annualizations at Proposed Rates

Annualized Customer Counts and Customer Charge Revenues

Meter Size	No. of Customers	Bills Per Year	Total Bills	Rate *	Annual Revenue
1/2"	38	12	456	\$ 35.25	\$ 16,072
5/8"	3,937	12	47,244	\$ 35.25	\$ 1,665,186
3/4"	3,424	12	41,088	\$ 35.25	\$ 1,448,208
1"	150	12	1,800	\$ 61.68	\$ 111,026
1 1/2"	-	12	-	\$ 105.74	\$ -
2"	180	12	2,160	\$ 123.36	\$ 266,464
3"	8	12	96	\$ 176.23	\$ 16,918
4"	15	12	180	\$ 352.46	\$ 63,444
6"	2	12	24	\$ 704.93	\$ 16,918
Flat Rate - Unmetered	250	12	3,000	\$ 61.68	\$ 185,044
Total	8,004		96,048		\$ 3,789,281

* Monthly Customer Charge

Annualized Commodity Sales - Volumes & Revenues

	Total Sales	Rate	Annual Revenue
Tank Gallons	188	\$ 7.92	\$ 1,489
>100,000 gallons	104	\$ 2.77	\$ 288
Gallons sold	665,807	\$ 7.92	\$ 5,274,525
Total	666,099		\$ 5,276,302

Other Operating Revenues

Total Other Revenues \$ 120,368

Total Operating Revenues

Customer Charge Revenues	\$ 3,789,281
Commodity Charge Revenues	\$ 5,276,302
Sub-Total Tariffed Rate Revenues	\$ 9,065,583
Other Operating Revenues	\$ 120,368
Total Revenues at Proposed Rates	\$ 9,185,951

Revenue Check - Proposed Rates vs. Current Rates

Total Revenues at Proposed Rates	\$ 9,185,951
Total Revenues at Current Tariffed Rates	\$ 4,193,907
Increase in Revenues at Proposed Rates	\$ 4,992,044
Agreed-Upon Increase in Operating Revenues	\$ 4,992,044

**Liberty Utilities (Missouri Water), LLC - Water, All Other Service Areas
Residential Customer Bill Comparison**

Proposed Rates All systems

Customer Charge	\$	35.25
Usage Charge	\$	31.69
Total Bill	\$	66.93

MONTHLY BILL COMPARISON

* Assume 4,000 usage and 5/8" meter

Noel Current Rates

Customer Charge	\$	23.86
Usage Charge	\$	12.32
Total Bill	\$	36.18

Empire Current Rates

Customer Charge	\$	12.93
Usage Charge	\$	17.20
Total Bill	\$	30.13

Hidden Meadows Current Rates

Customer Charge	\$	9.49
Usage Charge	\$	18.84
Total Bill	\$	28.33

KMB Current Rates

Customer Charge	\$	30.04
Usage Charge	\$	27.48
Total Bill	\$	57.52

Oakbrier Current Rates

Customer Charge	\$	15.07
Usage Charge	\$	6.78
Total Bill	\$	21.85

Moore Bend Current Rates

Customer Charge	\$	28.13
Usage Charge	\$	41.24
Total Bill	\$	69.37

Silverleaf Current Rates

Customer Charge	\$	26.65
Usage Charge	\$	27.52
Total Bill	\$	54.17

Lakeland Heights Current Rates

Customer Charge	\$	15.50
Usage Charge	\$	11.26
Total Bill	\$	26.76

Riverfork Current Rates

Customer Charge	\$	21.56
Usage Charge	\$	8.32
Total Bill	\$	29.88

Franklin County Current Rates

Customer Charge	\$	5.70
Usage Charge	\$	10.44
Total Bill	\$	16.14

Whispering Hills Current Rates

Customer Charge	\$	20.69
Usage Charge	\$	-
Total Bill	\$	20.69

Taney County Current Rates

Customer Charge	\$	12.55
Usage Charge	\$	22.52
Total Bill	\$	35.07

Valley Woods Current Rates

Customer Charge	\$	20.97
Usage Charge	\$	8.48
Total Bill	\$	29.45

Bilyeu Ridge Current Rates

Customer Charge	\$	17.22
Usage Charge	\$	14.24
Total Bill	\$	31.46

Customer Bill Increases/Decreases

Noel

\$ Increase	\$	30.75
% Increase		85.00%

Empire

\$ Increase	\$	36.80
% Increase		122.15%

Hidden Meadows

\$ Increase	\$	38.60
% Increase		136.27%

KMB

\$ Increase	\$	9.41
% Increase		16.37%

Oakbrier

\$ Increase	\$	45.08
% Increase		206.34%

Moore Bend

\$ Increase	\$	(2.44)
% Increase		-3.51%

Silverleaf

\$ Increase	\$	12.76
% Increase		23.56%

Lakeland Heights

\$ Increase	\$	40.17
% Increase		150.13%

Riverfork

\$ Increase	\$	37.05
% Increase		124.01%

Franklin County

\$ Increase	\$	50.79
% Increase		314.71%

Whispering Hills

\$ Increase	\$	46.24
% Increase		223.51%

Taney County

\$ Increase	\$	31.86
% Increase		90.86%

Valley Woods

\$ Increase	\$	37.48
% Increase		127.28%

Bilyeu Ridge

\$ Increase	\$	35.47
% Increase		112.76%

Liberty Utilities (Missouri Water), LLC - Bolivar Sewer

Rate Making Income Statement

Operating Revenues at Current Rates

Tariffed Rate Revenues *	\$	2,614,535
Other Operating Revenues *	\$	67,415
Total Operating Revenues	\$	2,681,950

* See "Revenues - Current Rates" for Details

Cost of Service

Item	Amount
Total Collection Operations Expenses	\$ 54,332
Total Pumping Operations Expenses	\$ 15,260
Total Treatment & Disposal Operations Expenses	\$ 11,523
Total Customer Accounts Expenses	\$ 4,964
Total Administration & General Expenses	\$ 706,612
Other Operating Expenses	\$ 103,022
Sub-Total Operating Expenses	\$ 895,713
Total Income Taxes	\$ 297,083
Total Deferred Income Taxes	\$ (104,215)
Additional Current Tax Requirement	\$ (89,268)
Sub-Total Taxes	\$ 103,600
Depreciation Expense	\$ 803,170
Interest Expense	\$ -
Sub-Total Depreciation/Interest/Amortization	\$ 803,170
Return on Equity	\$ 505,020
Total Cost of Service	\$ 2,307,503
Cost to Recover in Rates	\$ 2,240,088
Overall Revenue Increase Needed	\$ (374,447)

rate base		7,004,445
ROR %		7.21%

Liberty Utilities (Missouri Water), LLC

Revenue Annualizations at Current Rates - Bolivar Sewer

Annualized Customer Counts and Customer Charge Revenues

Retail Metered Customers

Service Area/ Meter Size	No. of Customers	Bills Per Year	Total Bills	Rate *	Annual Revenue
Bolivar Residential 1"	85	12	1,020	\$ 30.03	\$ 30,631
Bolivar Residential 2"	11	12	132	\$ 30.03	\$ 3,964
Bolivar Residential 3"	1	12	12	\$ 30.03	\$ 360
Bolivar Residential 3/4"	3,621	12	43,452	\$ 30.03	\$ 1,304,864
Bolivar Residential 5/8"	348	12	4,176	\$ 30.03	\$ 125,405
Bolivar Residential 1.5"	3	12	36	\$ 30.03	\$ 1,081
Bolivar Residential 1/2"	1	12	12	\$ 30.03	\$ 360
Bolivar Residential No Meter	1	12	12	\$ 30.03	\$ 360
Bolivar Commercial 1"	108	12	1,296	\$ 33.22	\$ 43,053
Bolivar Commercial 2"	55	12	660	\$ 33.22	\$ 21,925
Bolivar Commercial 3"	15	12	180	\$ 33.22	\$ 5,980
Bolivar Commercial 3/4"	359	12	4,308	\$ 33.22	\$ 143,112
Bolivar Commercial 5/8"	32	12	384	\$ 33.22	\$ 12,756
Bolivar Commercial 1.5"	5	12	60	\$ 33.22	\$ 1,993
Bolivar Commercial 4"	4	12	48	\$ 33.22	\$ 1,595
Interdepartmental 3/4"	2	12	24	\$ 33.22	\$ 797
Total	4,651		55,812		\$ 1,698,237

* Monthly Customer Charge

Annualized Commodity Sales - Volumes & Revenues

	Adjusted Gallons Sold	Rate	Annual Revenue
Bolivar Residential	103,472	\$ 5.32	\$ 550,474
Bolivar Commercial	68,764	\$ 5.32	\$ 365,824
Interdepartmental	-	\$ 5.32	\$ -
Total**	172,236		\$ 916,298

** These are the gallons subject to the existing tariff rates that include some gallons in the current customer charge.

Other Operating Revenues

Late Charge	\$ 34,430
Other Water Revenues	\$ 554
Prairie Heights Contract	\$ 32,431
Total Other Revenues	\$ 67,415

Total Operating Revenues

Customer Charge Revenues	\$ 1,698,237
Commodity Charge Revenues	\$ 916,298
Sub-Total Tariffed Rate Revenues	\$ 2,614,535
Other Operating Revenues	\$ 67,415
Total Operating Revenues	\$ 2,681,950

Liberty Utilities (Missouri Water), LLC

Sewer Rate Making Income Statement-All Other Sewer

Operating Revenues at Current Rates

Tariffed Rate Revenues *	\$	489,527
Other Operating Revenues *	\$	14,666
Total Operating Revenues	\$	504,193

* See "Revenues - Current Rates" for Details

Cost of Service

Item	Amount
Total Collection Operations Expenses	\$ 19,340
Total Pumping Operations Expenses	\$ 27,814
Total Treatment & Disposal Operations Expenses	\$ 121,621
Total Customer Accounts Expenses	\$ 2,892
Total Administration & General Expenses	\$ 178,004
Other Operating Expenses	\$ 15,727
Sub-Total Operating Expenses	\$ 365,398
Total Income Taxes	\$ (17,985)
Total Deferred Income Taxes	\$ (18,323)
Additional Current Tax Required	\$ 90,113
Sub-Total Taxes	\$ 53,805
Depreciation Expense	\$ 198,376
Interest Expense	\$ -
Sub-Total Depreciation/Interest/Amortization	\$ 198,376
Return on Equity	\$ 264,600
Total Cost of Service	\$ 882,179
Cost to Recover in Rates	\$ 867,514
Overall Revenue Increase Needed	\$ 377,986

rate base		3,669,909
ROR %		7.21%

Liberty Utilities (Missouri Water), LLC

Revenue Annualizations at Current Rates - All Other Sewer

Annualized Customer Counts and Customer Charge Revenues

Service Area	No. of Customers	Bills Per Year	Total Bills	Rate *	Annual Revenue
Valley Woods 5/8"	32	12	384	\$ 42.16	\$ 16,189
Valley Woods 1"	1	12	12	\$ 105.39	\$ 1,265
Silverleaf 3/4"	153	12	1,836	\$ 37.08	\$ 68,079
Silverleaf 1"	3	12	36	\$ 63.03	\$ 2,269
Silverleaf 2"	14	12	168	\$ 196.51	\$ 33,014
Silverleaf 3"	1	12	12	\$ 370.76	\$ 4,449
Silverleaf 5/8"	2	12	24	\$ 37.08	\$ 890
KMB 1"	165	12	1,980	\$ 36.97	\$ 73,201
KMB 5/8"	5	12	60	\$ 46.21	\$ 2,773
KMB No Meter Single Family	139	12	1,668	\$ 46.21	\$ 77,078
KMB No Meter Multi Family	24	12	288	\$ 36.97	\$ 10,647
RD Sewer Metered	13	12	156	\$ 34.36	\$ 5,360
RD Sewer No Meter Single Family	96	12	1,152	\$ 34.36	\$ 39,583
RD Sewer No Meter Multi Family	5	12	60	\$ 27.49	\$ 1,649
Total	653		7,836		\$ 336,446

* Monthly flat service charge

Annualized Commodity Sales - Volumes & Revenues

	Adjusted Gallons Usage	Rate	Annual Revenue
Silverleaf	5,581	\$ 27.43	\$ 153,077
Total**	\$ 5,581		\$ 153,077

** These are the gallons subject to the existing tariff rates that include some gallons in the current customer charge.

Other Operating Revenues

Late Payment Fee	\$ 14,340
Service Charges	\$ 313
Returned Check Charge	\$ 13
Total Other Revenues	\$ 14,666

Total Operating Revenues

Customer Charge Revenues	\$ 336,446
Commodity Charge Revenues	\$ 153,077
Sub-Total Tariffed Rate Revenues	\$ 489,527
Other Operating Revenues	\$ 14,666
Total Operating Revenues	\$ 504,193

Liberty Utilities (Missouri Water), LLC

Development of Tariffed Rates - All Other Sewer

Current Revenue	\$ 489,527
Agreed-Upon Overall Revenue Increase	\$ 377,986
Percentage Increase Needed	77%

Customer Rates

Service Area	No. of Customers	Current Customer Charge	Proposed Customer Charge
Valley Woods 5/8"	32	\$ 42.16	\$ 88.30
Valley Woods 1"	1	\$ 105.39	\$ 154.52
Silverleaf 3/4"	153	\$ 37.08	\$ 88.30
Silverleaf 1"	3	\$ 63.03	\$ 154.52
Silverleaf 2"	14	\$ 196.51	\$ 309.04
Silverleaf 3"	1	\$ 370.76	\$ 441.48
Silverleaf 5/8"	2	\$ 37.08	\$ 88.30
KMB 1"	165	\$ 36.97	\$ 154.52
KMB 5/8"	5	\$ 46.21	\$ 88.30
KMB No Meter Single Family	139	\$ 46.21	\$ 88.30
KMB No Meter Multi Family	24	\$ 36.97	\$ 88.30
RD Sewer Metered	13	\$ 34.36	\$ 88.30
RD Sewer No Meter Single Family	96	\$ 34.36	\$ 88.30
RD Sewer No Meter Multi Family	5	\$ 27.49	\$ 88.30
Total	653		

* Monthly flat service charge

Customer Charge	Number of Customers	Factor	Customer Equivalents	Proposed Customer Charge
5/8"	39	1	39	\$ 88.30
3/4"	153	1	153	\$ 88.30
1"	169	1.75	295.75	\$ 154.52
1 1/2"	0	3	0	\$ 264.89
2"	14	3.5	49	\$ 309.04
3"	1	5	5	\$ 441.48
4"	0	10	0	\$ 882.97
Flat Rate - Unmetered	277	1	277	\$ 88.30
	653		818.75	

Customer Charge Calculation:	Cost to recover in rates			
	\$ 867,514	\$	88.30	

Liberty Utilities (Missouri Water), LLC

Revenue Annualizations at Proposed Rates - All Other Sewer

Annualized Customer Counts and Customer Charge Revenues

Service Area	No. of Customers	Rate	Annual Revenue
Valley Woods 5/8"	32	\$ 88.30	\$ 33,906
Valley Woods 1"	1	\$ 154.52	\$ 1,854
Silverleaf 3/4"	153	\$ 88.30	\$ 162,113
Silverleaf 1"	3	\$ 154.52	\$ 5,563
Silverleaf 2"	14	\$ 309.04	\$ 51,918
Silverleaf 3"	1	\$ 441.48	\$ 5,298
Silverleaf 5/8"	2	\$ 88.30	\$ 2,119
KMB 1"	165	\$ 154.52	\$ 305,948
KMB 5/8"	5	\$ 88.30	\$ 5,298
KMB No Meter Single Family	139	\$ 88.30	\$ 147,279
KMB No Meter Multi Family	24	\$ 88.30	\$ 25,429
RD Sewer Metered	13	\$ 88.30	\$ 13,774
RD Sewer No Meter Single Family	96	\$ 88.30	\$ 101,718
RD Sewer No Meter Multi Family	5	\$ 88.30	\$ 5,298
Total	653		\$ 867,514

Other Operating Revenues

Total Other Revenues **\$ 14,666**

Total Operating Revenues

Sub-Total Tariffed Rate Revenues	\$ 867,514
Other Operating Revenues	\$ 14,666
Total Revenues at Proposed Rates	<u>\$ 882,179</u>

Revenue Check - Proposed Rates vs. Current Rates

Total Revenues at Proposed Rates	<u>\$ 882,179</u>
Total Revenues at Current Tariffed Rates	<u>\$ 504,193</u>
Increase in Revenues at Proposed Rates	<u>\$ 377,987</u>
Agreed-Upon Increase in Operating Revenues	<u>\$ 377,986</u>

Liberty Utilities (Missouri Water), LLC

Residential Customer Bill Comparison - All Other Sewer

MONTHLY BILL COMPARISON

Valley Woods 5/8"

Current Customer Charge	\$ 42.16
Proposed Customer Charge	\$ 88.30
Percent change	209%

Valley Woods 1"

Current Customer Charge	\$ 105.39
Proposed Customer Charge	\$ 154.52
Percent change	147%

Silverleaf 3/4"

Current Customer Charge	\$ 37.08
Proposed Customer Charge	\$ 88.30
Percent change	238%

Silverleaf 1"

Current Customer Charge	\$ 63.03
Proposed Customer Charge	\$ 154.52
Percent change	245%

Silverleaf 2"

Current Customer Charge	\$ 196.51
Proposed Customer Charge	\$ 309.04
Percent change	157%

Silverleaf 3"

Current Customer Charge	\$ 370.76
Proposed Customer Charge	\$ 441.48
Percent change	119%

Silverleaf 5/8"

Current Customer Charge	\$ 37.08
Proposed Customer Charge	\$ 88.30
Percent change	238%

KMB 1"

Current Customer Charge	\$ 36.97
Proposed Customer Charge	\$ 154.52
Percent change	418%

KMB 5/8"

Current Customer Charge	\$ 46.21
Proposed Customer Charge	\$ 88.30
Percent change	191%

KMB No Meter Single Family

Current Customer Charge	\$ 46.21
Proposed Customer Charge	\$ 88.30
Percent change	191%

KMB No Meter Multi Family

Current Customer Charge	\$ 36.97
Proposed Customer Charge	\$ 88.30
Percent change	239%

RD Sewer Metered

Current Customer Charge	\$ 34.36
Proposed Customer Charge	\$ 88.30
Percent change	257%

RD Sewer No Meter Single Family

Current Customer Charge	\$ 34.36
Proposed Customer Charge	\$ 88.30
Percent change	257%

RD Sewer No Meter Multi Family

Current Customer Charge	\$ 27.49
Proposed Customer Charge	\$ 88.30
Percent change	321%

Liberty Utilities (Missouri Water), LLC - Water, All Other Service Areas
Rate Making Income Statement

Operating Revenues at Current Rates

Tariffed Rate Revenues *	\$	4,073,539
Other Operating Revenues *	\$	120,368
Total Operating Revenues	\$	4,193,907

* See "Revenues - Current Rates" for Details

Cost of Service

Item	Amount	Customer Charge	Commodity Charge
Total Source of Supply Expenses	\$ 639,863	0 \$ -	\$ 639,863
Total Pumping Expenses	\$ 878,677	0 \$ -	\$ 878,677
Total Water Treatment Expenses	\$ 265,204	0 \$ -	\$ 265,204
Total Transmission & Distribution Expenses	\$ 373,536	1 \$ 373,536	\$ -
Total Customer Accounts Expenses	\$ 61,621	1 \$ 61,621	\$ -
Total Administration & General Expenses	\$ 2,403,522	1 \$ 2,403,522	\$ -
Total Other Operating Expenses	\$ 400,354	1 \$ 400,354	\$ -
Sub-Total Operating Expenses	\$ 5,022,777	\$ 3,239,033	\$ 1,783,744
Total Income Taxes	\$ (681,929)	1 \$ (681,929)	\$ -
Total Deferred Income Taxes	\$ (91,090)	1 \$ (91,090)	\$ -
Additional Current Tax Requirement	\$ 1,190,110	1 \$ 1,190,110	\$ -
Sub-Total Taxes	\$ 417,091	\$ 417,091	\$ -
Total Amortization Expense	\$ -	1 \$ -	\$ -
Depreciation Expense	\$ 1,686,334	1 \$ 1,686,334	\$ -
Sub-Total Depreciation/Interest/Amortization	\$ 1,686,334	\$ 1,686,334	\$ -
Return on Equity	\$ 2,059,749	1 \$ 2,059,749	\$ -
Total Cost of Service	\$ 9,185,951	\$ 7,402,207	\$ 1,783,744
Cost to Recover in Rates	\$ 9,065,583	\$ 7,281,839	\$ 1,783,744
Overall Revenue Increase Needed	\$ 4,992,044		

rate base 28,567,952
ROR % 7.21%

Liberty Utilities (Missouri Water), LLC - Water, All Other Service Areas

Revenue Annualizations at Current Rates

Annualized Customer Counts and Customer Charge Revenues

Retail Metered Customers

Service Area/ Meter Size	No. of Customers	Bills Per Year	Total Bills	Rate *	Annual Revenue
Noel Residential 5/8"	537	12	6,444	\$ 23.86	\$ 153,754
Noel Residential 3/4"	10	12	120	\$ 33.41	\$ 4,009
Noel Residential 1"	1	12	12	\$ 40.56	\$ 487
Noel Residential 2"	-	12	-	\$ 126.46	\$ -
Noel Residential 4"	-	12	-	\$ 334.05	\$ -
Noel Commercial 1"	16	12	192	\$ 40.56	\$ 7,788
Noel Commercial 2"	5	12	60	\$ 126.46	\$ 7,588
Noel Commercial 3/4"	10	12	120	\$ 33.41	\$ 4,009
Noel Commercial 4"	-	12	-	\$ 334.05	\$ -
Noel Commercial 5/8"	70	12	840	\$ 23.86	\$ 20,042
Noel Commercial 6"	1	12	12	\$ 501.08	\$ 6,013
Noel Sprinkler*	1	12	12	\$ 23.86	\$ 286
Noel Industrial 5/8"	-	12	-	\$ 23.86	\$ -
Noel Industrial 3/4"	-	12	-	\$ 33.41	\$ -
Noel Industrial 1"	-	12	-	\$ 40.56	\$ -
Noel Industrial 2"	1	12	12	\$ 126.46	\$ 1,518
Noel Industrial 4"	2	12	24	\$ 334.05	\$ 8,017
Noel Industrial 6"	1	12	12	\$ 501.08	\$ 6,013
KMB Residential 5/8"	398	12	4,776	\$ 30.04	\$ 143,471
KMB Residential 3/4"	96	12	1,152	\$ 30.04	\$ 34,606
KMB Residential 1"	1	12	12	\$ 60.08	\$ 721
KMB Sprinkler*	5	12	60	\$ 30.04	\$ 1,802
KMB Commercial 5/8"	23	12	276	\$ 30.04	\$ 8,291
KMB Commercial 3/4"	2	12	24	\$ 30.04	\$ 721
KMB Commercial 1"	7	12	84	\$ 60.08	\$ 5,047
Silverleaf Residential 3/4"	473	12	5,676	\$ 26.65	\$ 151,265
Silverleaf Residential 1"	1	12	12	\$ 45.31	\$ 544
Silverleaf Residential 2"	54	12	648	\$ 106.61	\$ 69,083
Silverleaf Residential 3"	6	12	72	\$ 293.17	\$ 21,108
Silverleaf Residential 4"	-	12	-	\$ 373.13	\$ -
Silverleaf Residential 5/8"*	8	12	96	\$ 26.65	\$ 2,558
Silverleaf Commercial 1"	14	12	168	\$ 45.31	\$ 7,612
Silverleaf Commercial 2"	20	12	240	\$ 106.61	\$ 25,586
Silverleaf Commercial 3"	2	12	24	\$ 293.17	\$ 7,036
Silverleaf Commercial 3/4"	30	12	360	\$ 26.65	\$ 9,594
Silverleaf Commercial 4"	3	12	36	\$ 373.13	\$ 13,433
Silverleaf Commercial 5/8"*	7	12	84	\$ 26.65	\$ 2,239
Silverleaf Industrial 1"	5	12	60	\$ 45.31	\$ 2,719
Silverleaf Industrial 2"	6	12	72	\$ 106.61	\$ 7,676
Silverleaf Industrial 3/4"	9	12	108	\$ 26.65	\$ 2,878
Franklin Residential 3/4"	41	12	492	\$ 5.70	\$ 2,804
Franklin Residential 5/8"	148	12	1,776	\$ 5.70	\$ 10,123

Franklin Sprinkler*	3	12	36	\$ 5.70	\$ 205
Empire Residential 3/4"*	1,889	12	22,668	\$ 12.93	\$ 293,097
Empire Residential 5/8"	2,201	12	26,412	\$ 12.93	\$ 341,507
Empire Residential 1"	15	12	180	\$ 28.32	\$ 5,098
Empire Residential 2"	5	12	60	\$ 84.76	\$ 5,086
Empire Residential 4"	-	12	-	\$ 259.14	\$ -
Empire Residential 6"	-	12	-	\$ 515.46	\$ -
Empire Tank	-	12	-	\$ 18.35	\$ -
Empire Sprinkler*	52	12	624	\$ 12.93	\$ 8,068
Empire Commercial 1"	73	12	876	\$ 28.32	\$ 24,808
Empire Commercial 2"	79	12	948	\$ 84.76	\$ 80,352
Empire Commercial 3/4"	129	12	1,548	\$ 12.93	\$ 20,016
Empire Commercial 5/8"	187	12	2,244	\$ 12.93	\$ 29,015
Empire Commercial 4"	4	12	48	\$ 259.14	\$ 12,439
Empire Sprinkler*	8	12	96	\$ 12.93	\$ 1,241
Empire Tank	-	12	-	\$ 18.35	\$ -
Empire Industrial 2"	3	12	36	\$ 84.76	\$ 3,051
Empire Industrial 5/8"	2	12	24	\$ 12.93	\$ 310
Empire Industrial 4"	6	12	72	\$ 259.14	\$ 18,658
Empire Interdepartmental 2"	1	12	12	\$ 84.76	\$ 1,017
Empire Interdepartmental 5/8"	1	12	12	\$ 12.93	\$ 155
Empire Municipal Bldg 1"	2	12	24	\$ 28.32	\$ 680
Empire Municipal Bldg 2"	1	12	12	\$ 84.76	\$ 1,017
Empire Municipal Bldg 5/8"	1	12	12	\$ 12.93	\$ 155
Empire Municipal Pump 1"	3	12	36	\$ 28.32	\$ 1,020
Empire Municipal Pump 2"	5	12	60	\$ 84.76	\$ 5,086
Empire Municipal Pump 3/4"	7	12	84	\$ 12.93	\$ 1,086
Empire Municipal Pump 5/8"	5	12	60	\$ 12.93	\$ 776
Empire Fire Hydrant*	159	12	1,908	\$ 31.93	\$ 60,921
Empire Sprinkler Systems	18	12	216	\$ 20.58	\$ 4,445
Empire Tank Water	-	12	-	\$ 18.35	\$ -
Oakbrier Residential 5/8"	54	12	648	\$ 15.07	\$ 9,765
Oakbrier Residential 1/2"	2	12	24	\$ 15.07	\$ 362
Oakbrier Sprinkler	1	12	12	\$ 15.07	\$ 181
Lakeland Heights Residential 5/8"	98	12	1,176	\$ 15.50	\$ 18,228
Lakeland Heights Residential 1/2"	1	12	12	\$ 15.50	\$ 186
Whispering Hills Residential 5/8"	11	12	132	\$ 20.69	\$ 2,731
Whispering Hills Residential 1/2"	35	12	420	\$ 20.69	\$ 8,690
Bilyeu Ridge Residential 3/4"	63	12	756	\$ 17.22	\$ 13,018
Bilyeu Ridge Residential 5/8"	1	12	12	\$ 17.22	\$ 207
Hidden Meadows Residential 3/4"	86	12	1,032	\$ 9.49	\$ 9,794
Hidden Meadows Residential 5/8"	6	12	72	\$ 9.49	\$ 683
Moore Bend Residential 3/4"	22	12	264	\$ 28.13	\$ 7,426
Moore Bend Residential 5/8"	51	12	612	\$ 28.13	\$ 17,216
Riverfork Residential 3/4"	154	12	1,848	\$ 21.56	\$ 39,843
Riverfork Residential 5/8"	7	12	84	\$ 21.56	\$ 1,811
Riverfork Residential 1"	10	12	120	\$ 21.56	\$ 2,587
Taney County Residential 3/4"	359	12	4,308	\$ 12.55	\$ 54,065
Taney County Residential 5/8"	118	12	1,416	\$ 12.55	\$ 17,771
Taney County Residential 1"	-	12	-	\$ 12.55	\$ -
Taney County Commercial 3/4"	3	12	36	\$ 12.55	\$ 452

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Taney County Commercial 5/8"	1	12	12	\$ 12.55	\$ 151
Taney County Commercial 1"	1	12	12	\$ 12.55	\$ 151
Taney County Industrial 1"	-	12	-	\$ 12.55	\$ -
Taney County Industrial 3/4"	-	12	-	\$ 12.55	\$ -
Valley Woods Residential 3/4"	40	12	480	\$ 20.97	\$ 10,066
Valley Woods Residential 5/8"	2	12	24	\$ 20.97	\$ 503
Valley Woods Commercial 1"	1	12	12	\$ 20.97	\$ 252
Valley Woods Commercial 3/4"	1	12	12	\$ 20.97	\$ 252
Total	8,001		96,012		\$ 1,886,141

* Assumed rate based on reported revenues

Annualized Commodity Sales - Volumes & Revenues

	Adjusted Gallons Sold	Rate	Annual Revenue
Noel Residential 5/8"	30,686	\$ 3.08	\$ 94,513
Noel Residential 3/4"	571	\$ 3.08	\$ 1,760
Noel Residential 1"	57	\$ 3.08	\$ 176
Noel Residential 2"	-	\$ 3.08	\$ -
Noel Residential 4"	-	\$ 3.08	\$ -
Noel Commercial 1"	3,053	\$ 3.08	\$ 9,405
Noel Commercial 2"	954	\$ 3.08	\$ 2,939
Noel Commercial 3/4"	1,908	\$ 3.08	\$ 5,878
Noel Commercial 4"	-	\$ 3.08	\$ -
Noel Commercial 5/8"	13,359	\$ 3.08	\$ 41,146
Noel Commercial 6"	191	\$ 3.08	\$ 588
Noel Sprinkler	191	\$ 3.08	\$ 588
Noel Industrial 5/8"	-	\$ 2.86	\$ -
Noel Industrial 3/4"	-	\$ 2.86	\$ -
Noel Industrial 1"	-	\$ 2.86	\$ -
Noel Industrial 2"	-	\$ 2.86	\$ -
Noel Industrial 4"	-	\$ 2.86	\$ -
Noel Industrial 6"	-	\$ 2.86	\$ -
KMB Residential 5/8"	18,923	\$ 6.87	\$ 130,003
KMB Residential 3/4"	4,564	\$ 6.87	\$ 31,357
KMB Residential 1"	48	\$ 6.87	\$ 327
KMB Sprinkler	238	\$ 6.87	\$ 1,633
KMB Commercial 5/8"	1,139	\$ 6.87	\$ 7,823
KMB Commercial 3/4"	99	\$ 6.87	\$ 680
KMB Commercial 1"	347	\$ 6.87	\$ 2,381
Silverleaf Residential 3/4"	22,467	\$ 6.88	\$ 154,573
Silverleaf Residential 1"	60	\$ 6.88	\$ 412
Silverleaf Residential 2"	4,019	\$ 6.88	\$ 27,651
Silverleaf Residential 3"	277	\$ 6.88	\$ 1,907
Silverleaf Residential 4"	-	\$ 6.88	\$ -
Silverleaf Residential 5/8"	397	\$ 6.88	\$ 2,732
Silverleaf Commercial 1"	2,352	\$ 6.88	\$ 16,181
Silverleaf Commercial 2"	3,324	\$ 6.88	\$ 22,871
Silverleaf Commercial 3"	246	\$ 6.88	\$ 1,695
Silverleaf Commercial 3/4"	4,410	\$ 6.88	\$ 30,340

Silverleaf Commercial 4"	435	\$	6.88	\$	2,993
Silverleaf Commercial 5/8"	709	\$	6.88	\$	4,879
Silverleaf Industrial 1"	735	\$	6.88	\$	5,055
Silverleaf Industrial 2"	882	\$	6.88	\$	6,065
Silverleaf Industrial 3/4"	1,322	\$	6.88	\$	9,098
Franklin Residential 3/4"	1,974	\$	2.61	\$	5,153
Franklin Residential 5/8"	7,127	\$	2.61	\$	18,601
Franklin Sprinkler	144	\$	2.61	\$	377
Empire Residential 3/4"	90,146	\$	4.30	\$	387,630
Empire Residential 5/8"	105,036	\$	4.30	\$	451,653
Empire Residential 1"	716	\$	4.30	\$	3,078
Empire Residential 2"	239	\$	4.30	\$	1,026
Empire Residential 4"	-	\$	4.30	\$	-
Empire Residential 6"	-	\$	4.30	\$	-
Empire Residential Tank	-	\$	18.35	\$	-
Empire Residential Sprinkler	2,482	\$	4.30	\$	10,671
Empire Residential over 100,000 gal	2,482	\$	1.52	\$	3,773
Empire Commercial 1"	7,959	\$	4.30	\$	34,223
Empire Commercial 2"	8,613	\$	4.30	\$	37,036
Empire Commercial 3/4"	14,064	\$	4.30	\$	60,476
Empire Commercial 5/8"	20,388	\$	4.30	\$	87,667
Empire Commercial 4"	436	\$	4.30	\$	1,875
Empire Commercial Sprinkler	872	\$	4.30	\$	3,750
Empire Commercial Tank	96	\$	18.35	\$	1,770
Empire Commercial over 100,000 gal	10,338	\$	1.52	\$	15,714
Empire Industrial 2"	2,084	\$	4.30	\$	8,961
Empire Industrial 5/8"	1,389	\$	4.30	\$	5,974
Empire Industrial 4"	4,168	\$	4.30	\$	17,922
Empire Industrial over 100,000 gal	102,573	\$	1.52	\$	155,911
Empire Interdepartmental 2"	57	\$	4.30	\$	243
Empire Interdepartmental 5/8"	57	\$	4.30	\$	243
Empire Interdepartmental over 100,000 gal	710	\$	1.52	\$	1,079
Empire Municipal Bldg 1"	255	\$	4.30	\$	1,097
Empire Municipal Bldg 2"	128	\$	4.30	\$	548
Empire Municipal Bldg 5/8"	128	\$	4.30	\$	548
Empire Municipal Pump 1"	383	\$	4.30	\$	1,645
Empire Municipal Pump 2"	638	\$	4.30	\$	2,742
Empire Municipal Pump 3/4"	893	\$	4.30	\$	3,839
Empire Municipal Pump 5/8"	638	\$	4.30	\$	2,742
Empire Municipal over 100,000 gal	6,650	\$	1.52	\$	10,108
Empire Fire Hydrant	-	\$	-	\$	-
Oakbrier Residential 5/8"	1,820	\$	3.39	\$	6,169
Oakbrier Residential 1/2"	67	\$	3.39	\$	228
Oakbrier Sprinkler	34	\$	3.39	\$	114
Lakeland Heights Residential 5/8"	755	\$	5.63	\$	4,253
Lakeland Heights Residential 1/2"	8	\$	5.63	\$	43
Whispering Hills Residential 5/8"	190	\$	3.67	\$	696
Whispering Hills Residential 1/2"	604	\$	3.67	\$	2,215
Bilyeu Ridge Residential 3/4"	3,399	\$	3.56	\$	12,101
Bilyeu Ridge Residential 5/8"	54	\$	3.56	\$	192
Hidden Meadows Residential 3/4"	5,084	\$	4.71	\$	23,947

Hidden Meadows Residential 5/8"	355	\$ 4.71	\$	1,671
Moore Bend Residential 3/4"	341	\$ 10.31	\$	3,514
Moore Bend Residential 5/8"	790	\$ 10.31	\$	8,146
Riverfork Residential 3/4"	12,699	\$ 2.08	\$	26,414
Riverfork Residential 5/8"	577	\$ 2.08	\$	1,201
Riverfork Residential 1"	825	\$ 2.08	\$	1,715
Taney County Residential 3/4"	17,612	\$ 5.63	\$	99,156
Taney County Residential 5/8"	5,789	\$ 5.63	\$	32,591
Taney County Residential 1"	-	\$ 5.63	\$	-
Taney County Commercial 3/4"	31	\$ 5.63	\$	172
Taney County Commercial 5/8"	10	\$ 5.63	\$	57
Taney County Commercial 1"	10	\$ 5.63	\$	57
Taney County Industrial 1"	-	\$ 5.63	\$	-
Taney County Industrial 3/4"	-	\$ 5.63	\$	-
Valley Woods Residential 3/4"	2,641	\$ 2.12	\$	5,599
Valley Woods Residential 5/8"	132	\$ 2.12	\$	280
Valley Woods Commercial 1"	267	\$ 2.12	\$	566
Valley Woods Commercial 3/4"	267	\$ 2.12	\$	566
Total**	566,185		\$	2,187,392

** These are the gallons subject to the existing tariff rates that include some gallons in the current customer charge.

Other Operating Revenues

Misc Income	\$ 13,243
Service Charges	\$ 44,145
Late Charge	\$ 58,147
Reconnect Fee	\$ 4,833
Total Other Revenues	\$ 120,368

Total Operating Revenues

Customer Charge Revenues	\$ 1,886,141
Commodity Charge Revenues	\$ 2,187,392
Sub-Total Tariffed Rate Revenues	\$ 4,073,539
Other Operating Revenues	\$ 120,368
Total Operating Revenues	\$ 4,193,907

Liberty Utilities (Missouri Water), LLC - Water, All Other Service Areas

Development of Tariffed Rates

Current Revenue	\$ 4,073,539
Agreed-Upon Overall Revenue Increase	\$ 4,992,044
Percentage Increase Needed	123%

Metered Customer Rates

Service Area/ Meter Size	Current Customer Charge	Proposed Customer Charge	Current Usage Rate	Proposed Usage Rate
Noel Residential 5/8"	\$ 23.86	\$ 67.73	\$ 3.08	\$ 2.68
Noel Residential 3/4"	\$ 33.41	\$ 67.73	\$ 3.08	\$ 2.68
Noel Residential 1"	\$ 40.56	\$ 118.53	\$ 3.08	\$ 2.68
Noel Residential 2"	\$ 126.46	\$ 237.07	\$ 3.08	\$ 2.68
Noel Residential 4"	\$ 334.05	\$ 677.33	\$ 3.08	\$ 2.68
Noel Commercial 1"	\$ 40.56	\$ 118.53	\$ 3.08	\$ 2.68
Noel Commercial 2"	\$ 126.46	\$ 237.07	\$ 3.08	\$ 2.68
Noel Commercial 3/4"	\$ 33.41	\$ 67.73	\$ 3.08	\$ 2.68
Noel Commercial 4"	\$ 334.05	\$ 677.33	\$ 3.08	\$ 2.68
Noel Commercial 5/8"	\$ 23.86	\$ 67.73	\$ 3.08	\$ 2.68
Noel Commercial 6"	\$ 501.08	\$ 1,354.66	\$ 3.08	\$ 2.68
Noel Sprinkler*	\$ 23.86	\$ 118.53	\$ 3.08	\$ 2.68
Noel Industrial 5/8"	\$ 23.86	\$ 67.73	\$ 2.86	\$ 2.68
Noel Industrial 3/4"	\$ 33.41	\$ 67.73	\$ 2.86	\$ 2.68
Noel Industrial 1"	\$ 40.56	\$ 118.53	\$ 2.86	\$ 2.68
Noel Industrial 2"	\$ 126.46	\$ 237.07	\$ 2.86	\$ 2.68
Noel Industrial 4"	\$ 334.05	\$ 677.33	\$ 2.86	\$ 2.68
Noel Industrial 6"	\$ 501.08	\$ 1,354.66	\$ 2.86	\$ 2.68
KMB Residential 5/8"	\$ 30.04	\$ 67.73	\$ 6.87	\$ 2.68
KMB Residential 3/4"	\$ 30.04	\$ 67.73	\$ 6.87	\$ 2.68
KMB Residential 1"	\$ 60.08	\$ 118.53	\$ 6.87	\$ 2.68
KMB Sprinkler*	\$ 30.04	\$ 118.53	\$ 6.87	\$ 2.68
KMB Commercial 5/8"	\$ 30.04	\$ 67.73	\$ 6.87	\$ 2.68
KMB Commercial 3/4"	\$ 30.04	\$ 67.73	\$ 6.87	\$ 2.68
KMB Commercial 1"	\$ 60.08	\$ 118.53	\$ 6.87	\$ 2.68
Silverleaf Residential 3/4"	\$ 26.65	\$ 67.73	\$ 6.88	\$ 2.68
Silverleaf Residential 1"	\$ 45.31	\$ 118.53	\$ 6.88	\$ 2.68
Silverleaf Residential 2"	\$ 106.61	\$ 237.07	\$ 6.88	\$ 2.68
Silverleaf Residential 3"	\$ 293.17	\$ 338.66	\$ 6.88	\$ 2.68
Silverleaf Residential 4"	\$ 373.13	\$ 677.33	\$ 6.88	\$ 2.68
Silverleaf Residential 5/8"*	\$ 26.65	\$ 67.73	\$ 6.88	\$ 2.68
Silverleaf Commercial 1"	\$ 45.31	\$ 118.53	\$ 6.88	\$ 2.68
Silverleaf Commercial 2"	\$ 106.61	\$ 237.07	\$ 6.88	\$ 2.68
Silverleaf Commercial 3"	\$ 293.17	\$ 338.66	\$ 6.88	\$ 2.68
Silverleaf Commercial 3/4"	\$ 26.65	\$ 67.73	\$ 6.88	\$ 2.68
Silverleaf Commercial 4"	\$ 373.13	\$ 677.33	\$ 6.88	\$ 2.68
Silverleaf Commercial 5/8"*	\$ 26.65	\$ 67.73	\$ 6.88	\$ 2.68
Silverleaf Industrial 1"	\$ 45.31	\$ 118.53	\$ 6.88	\$ 2.68
Silverleaf Industrial 2"	\$ 106.61	\$ 237.07	\$ 6.88	\$ 2.68
Silverleaf Industrial 3/4"	\$ 26.65	\$ 67.73	\$ 6.88	\$ 2.68
Franklin Residential 3/4"	\$ 5.70	\$ 67.73	\$ 2.61	\$ 2.68
Franklin Residential 5/8"	\$ 5.70	\$ 67.73	\$ 2.61	\$ 2.68

Franklin Sprinkler*	\$ 5.70	\$ 118.53	\$ 2.61	\$ 2.68
Empire Residential 3/4"*	\$ 12.93	\$ 67.73	\$ 4.30	\$ 2.68
Empire Residential 5/8"	\$ 12.93	\$ 67.73	\$ 4.30	\$ 2.68
Empire Residential 1"	\$ 28.32	\$ 118.53	\$ 4.30	\$ 2.68
Empire Residential 2"	\$ 84.76	\$ 237.07	\$ 4.30	\$ 2.68
Empire Residential 4"	\$ 259.14	\$ 677.33	\$ 4.30	\$ 2.68
Empire Residential 6"	\$ 515.46	\$ 1,354.66	\$ 4.30	\$ 2.68
Empire Tank	\$ 18.35	\$ 118.53	\$ 18.35	\$ 2.68
Empire Sprinkler*	\$ 12.93	\$ 118.53	\$ 4.30	\$ 2.68
Empire Commercial 1"	\$ 28.32	\$ 118.53	\$ 1.52	\$ 2.68
Empire Commercial 2"	\$ 84.76	\$ 237.07	\$ 4.30	\$ 2.68
Empire Commercial 3/4"	\$ 12.93	\$ 67.73	\$ 4.30	\$ 2.68
Empire Commercial 5/8"	\$ 12.93	\$ 67.73	\$ 4.30	\$ 2.68
Empire Commercial 4"	\$ 259.14	\$ 677.33	\$ 4.30	\$ 2.68
Empire Sprinkler*	\$ 12.93	\$ 118.53	\$ 4.30	\$ 2.68
Empire Tank	\$ 18.35	\$ 118.53	\$ 18.35	\$ 2.68
Empire Industrial 2"	\$ 84.76	\$ 237.07	\$ 4.30	\$ 2.68
Empire Industrial 5/8"	\$ 12.93	\$ 67.73	\$ 1.52	\$ 2.68
Empire Industrial 4"	\$ 259.14	\$ 677.33	\$ 4.30	\$ 2.68
Empire Interdepartmental 2"	\$ 84.76	\$ 237.07	\$ 4.30	\$ 2.68
Empire Interdepartmental 5/8"	\$ 12.93	\$ 67.73	\$ 4.30	\$ 2.68
Empire Municipal Bldg 1"	\$ 28.32	\$ 118.53	\$ 1.52	\$ 2.68
Empire Municipal Bldg 2"	\$ 84.76	\$ 237.07	\$ 4.30	\$ 2.68
Empire Municipal Bldg 5/8"	\$ 12.93	\$ 67.73	\$ 4.30	\$ 2.68
Empire Municipal Pump 1"	\$ 28.32	\$ 118.53	\$ 1.52	\$ 2.68
Empire Municipal Pump 2"	\$ 84.76	\$ 237.07	\$ 4.30	\$ 2.68
Empire Municipal Pump 3/4"	\$ 12.93	\$ 67.73	\$ 4.30	\$ 2.68
Empire Municipal Pump 5/8"	\$ 12.93	\$ 67.73	\$ 4.30	\$ 2.68
Empire Fire Hydrant*	\$ 31.93	\$ 118.53	\$ 4.30	\$ 2.68
Oakbrier Residential 5/8"	\$ 15.07	\$ 67.73	\$ 4.30	\$ 2.68
Oakbrier Residential 1/2"	\$ 15.07	\$ 67.73	\$ 4.30	\$ 2.68
Oakbrier Sprinkler	\$ 15.07	\$ 118.53	\$ 4.30	\$ 2.68
Lakeland Heights Residential 5/8"	\$ 15.50	\$ 67.73	\$ 1.52	\$ 2.68
Lakeland Heights Residential 1/2"	\$ 15.50	\$ 67.73	\$ -	\$ 2.68
Whispering Hills Residential 5/8"	\$ 20.69	\$ 67.73	\$ 3.39	\$ 2.68
Whispering Hills Residential 1/2"	\$ 20.69	\$ 67.73	\$ 3.39	\$ 2.68
Bilyeu Ridge Residential 3/4"	\$ 17.22	\$ 67.73	\$ 3.39	\$ 2.68
Bilyeu Ridge Residential 5/8"	\$ 17.22	\$ 67.73	\$ 5.63	\$ 2.68
Hidden Meadows Residential 3/4"	\$ 9.49	\$ 67.73	\$ 5.63	\$ 2.68
Hidden Meadows Residential 5/8"	\$ 9.49	\$ 67.73	\$ 3.67	\$ 2.68
Moore Bend Residential 3/4"	\$ 28.13	\$ 67.73	\$ 3.67	\$ 2.68
Moore Bend Residential 5/8"	\$ 28.13	\$ 67.73	\$ 3.56	\$ 2.68
Riverfork Residential 3/4"	\$ 21.56	\$ 67.73	\$ 3.56	\$ 2.68
Riverfork Residential 5/8"	\$ 21.56	\$ 67.73	\$ 4.71	\$ 2.68
Riverfork Residential 1"	\$ 21.56	\$ 118.53	\$ 4.71	\$ 2.68
Taney County Residential 3/4"	\$ 12.55	\$ 67.73	\$ 10.31	\$ 2.68
Taney County Residential 5/8"	\$ 12.55	\$ 67.73	\$ 10.31	\$ 2.68
Taney County Residential 1"	\$ 12.55	\$ 118.53	\$ 2.08	\$ 2.68
Taney County Commercial 3/4"	\$ 12.55	\$ 67.73	\$ 2.08	\$ 2.68
Taney County Commercial 5/8"	\$ 12.55	\$ 67.73	\$ 2.08	\$ 2.68
Taney County Commercial 1"	\$ 12.55	\$ 118.53	\$ 5.63	\$ 2.68
Taney County Industrial 1"	\$ 12.55	\$ 118.53	\$ 5.63	\$ 2.68
Taney County Industrial 3/4"	\$ 12.55	\$ 67.73	\$ 5.63	\$ 2.68
Valley Woods Residential 3/4"	\$ 20.97	\$ 67.73	\$ 5.63	\$ 2.68
Valley Woods Residential 5/8"	\$ 20.97	\$ 67.73	\$ 5.63	\$ 2.68

Valley Woods Commercial 1"	\$ 20.97	\$ 118.53	\$ 5.63	\$ 2.68
Valley Woods Commercial 3/4"	\$ 20.97	\$ 67.73	\$ 5.63	\$ 2.68

Customer Charge	Number of Customers	Factor**	Customer Equivalents	Proposed Customer Charge
1/2"	38	1	38	\$ 67.73
5/8"	3937	1	3,937	\$ 67.73
3/4"	3424	1	3,424	\$ 67.73
1"	150	1.75	263	\$ 118.53
1 1/2"	0	3	-	\$ 203.20
2"	180	3.5	630	\$ 237.07
3"	8	5	40	\$ 338.66
4"	15	10	150	\$ 677.33
6"	2	20	40	\$ 1,354.66
Flat Rate - Unmetered	250	1.75	438	\$ 118.53
	8,004		8,959	

Customer Charge Calculation: \$ 7,281,839 \$ 67.73

Commodity	Gallons***	Proposed
\$ 1,783,647	665,995,258	\$ 2.68
\$ 97	103,773	\$ 0.94

**While a factor of 1 is typical for a single family home with a 5/8" meter, staff proposes to use this same factor for 3/4" and 1/2" because this meter size is also deployed on single family homes within Liberty's service areas

*** These are total gallons billed to customers, not just those previously subjected to a commodity rate

Liberty Utilities (Missouri Water), LLC - Water, All Other Service Areas

Revenue Annualizations at Proposed Rates

Annualized Customer Counts and Customer Charge Revenues

Meter Size	No. of Customers	Bills Per Year	Total Bills	Rate *	Annual Revenue
1/2"	38	12	456	\$ 67.73	\$ 30,886
5/8"	3,937	12	47,244	\$ 67.73	\$ 3,199,978
3/4"	3,424	12	41,088	\$ 67.73	\$ 2,783,013
1"	150	12	1,800	\$ 118.53	\$ 213,359
1 1/2"	-	12	-	\$ 203.20	\$ -
2"	180	12	2,160	\$ 237.07	\$ 512,061
3"	8	12	96	\$ 338.66	\$ 32,512
4"	15	12	180	\$ 677.33	\$ 121,919
6"	2	12	24	\$ 1,354.66	\$ 32,512
Flat Rate - Unmetered	250	12	3,000	\$ 118.53	\$ 355,598
Total	8,004		96,048		\$ 7,281,839

* Monthly Customer Charge

Annualized Commodity Sales - Volumes & Revenues

	Total Sales	Rate	Annual Revenue
Tank Gallons	188	\$ 2.68	\$ 503
>100,000 gallons	104	\$ 0.94	\$ 97
Gallons sold	665,807	\$ 2.68	\$ 1,783,143
Total	666,099		\$ 1,783,744

Other Operating Revenues

Total Other Revenues \$ 120,368

Total Operating Revenues

Customer Charge Revenues	\$ 7,281,839
Commodity Charge Revenues	\$ 1,783,744
Sub-Total Tariffed Rate Revenues	\$ 9,065,583
Other Operating Revenues	\$ 120,368
Total Revenues at Proposed Rates	\$ 9,185,951

Revenue Check - Proposed Rates vs. Current Rates

Total Revenues at Proposed Rates	\$ 9,185,951
Total Revenues at Current Tariffed Rates	\$ 4,193,907
Increase in Revenues at Proposed Rates	\$ 4,992,044
Agreed-Upon Increase in Operating Revenues	\$ 4,992,044

**Liberty Utilities (Missouri Water), LLC - Water, All Other Service Areas
Residential Customer Bill Comparison**

Proposed Rates All systems

Customer Charge	\$	67.73
Usage Charge	\$	10.71
Total Bill	\$	78.45

MONTHLY BILL COMPARISON

* Assume 4,000 usage and 5/8" meter

Noel Current Rates

Customer Charge	\$	23.86
Usage Charge	\$	12.32
Total Bill	\$	36.18

Empire Current Rates

Customer Charge	\$	12.93
Usage Charge	\$	17.20
Total Bill	\$	30.13

Hidden Meadows Current Rates

Customer Charge	\$	9.49
Usage Charge	\$	18.84
Total Bill	\$	28.33

KMB Current Rates

Customer Charge	\$	30.04
Usage Charge	\$	27.48
Total Bill	\$	57.52

Oakbrier Current Rates

Customer Charge	\$	15.07
Usage Charge	\$	6.78
Total Bill	\$	21.85

Moore Bend Current Rates

Customer Charge	\$	28.13
Usage Charge	\$	41.24
Total Bill	\$	69.37

Silverleaf Current Rates

Customer Charge	\$	26.65
Usage Charge	\$	27.52
Total Bill	\$	54.17

Lakeland Heights Current Rates

Customer Charge	\$	15.50
Usage Charge	\$	11.26
Total Bill	\$	26.76

Riverfork Current Rates

Customer Charge	\$	21.56
Usage Charge	\$	8.32
Total Bill	\$	29.88

Franklin County Current Rates

Customer Charge	\$	5.70
Usage Charge	\$	10.44
Total Bill	\$	16.14

Whispering Hills Current Rates

Customer Charge	\$	20.69
Usage Charge	\$	-
Total Bill	\$	20.69

Taney County Current Rates

Customer Charge	\$	12.55
Usage Charge	\$	22.52
Total Bill	\$	35.07

Valley Woods Current Rates

Customer Charge	\$	20.97
Usage Charge	\$	8.48
Total Bill	\$	29.45

Bilyeu Ridge Current Rates

Customer Charge	\$	17.22
Usage Charge	\$	14.24
Total Bill	\$	31.46

Customer Bill Increases/Decreases

Noel

\$ Increase	\$	42.27
% Increase		116.82%

Empire

\$ Increase	\$	48.32
% Increase		160.36%

Hidden Meadows

\$ Increase	\$	50.12
% Increase		176.90%

KMB

\$ Increase	\$	20.93
% Increase		36.38%

Oakbrier

\$ Increase	\$	56.60
% Increase		259.02%

Moore Bend

\$ Increase	\$	9.08
% Increase		13.08%

Silverleaf

\$ Increase	\$	24.28
% Increase		44.81%

Lakeland Heights

\$ Increase	\$	51.69
% Increase		193.15%

Riverfork

\$ Increase	\$	48.57
% Increase		162.54%

Franklin County

\$ Increase	\$	62.31
% Increase		386.03%

Whispering Hills

\$ Increase	\$	57.76
% Increase		279.15%

Taney County

\$ Increase	\$	43.38
% Increase		123.68%

Valley Woods

\$ Increase	\$	49.00
% Increase		166.37%

Bilyeu Ridge

\$ Increase	\$	46.99
% Increase		149.35%