

# Missouri-American Water Company

Company Full Certificated Name

*Do not abbreviate; include any Commission approved AKA/DBA/Fictitious Name, if applicable.*

## WATER and/or SEWER ANNUAL REPORT

### LARGE COMPANY

*(with 8,000 or more customers)*

TO THE

## MISSOURI PUBLIC SERVICE COMMISSION

For the calendar year of

January 1 - December 31, 2022

This filing is required pursuant to Commission Rule 20 CSR 4240-10.145 and/or Section 393.140, RSMo.

Please indicate which type of service the Company is certificated to provide by checking the appropriate box(es). *(Check all that apply.)*

Water Service Provider

Sewer Service Provider

Please choose one of the following filing type options:

Public Submission (NOT Confidential)

Non-Public Submission (Confidential / Filed Under Seal)

For this filing to be considered Confidential, additional submission of materials is required pursuant to Commission Rule 20 CSR 4240-2.135.

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Company Name **Missouri-American Water Company**

**GENERAL INFORMATION**

(Instructions: Please type answer to question in text box provided. Be sure underline feature is turned on when editing text box.)

1. Name, title and e-mail address of officer having custody of the general corporate books of account and address of office where the general corporate books are kept and the address of office where any other coproate books of account are kept, if different from that at which the general corporate books are kept.

2. This Utility Company is a: (Check the appropriate box.)

- C-Corporation     
  S-Corporation     
  Sole Proprietorship  
 Partnership     
  LLC     
  LP  
 Other (Please explain)

3. Name of state under the laws of which respondent is incorporated and date of incorporation. If incorporated under a special law, give reference of such law. If not incorporated, state that fact and give the type of organization and date organized.

General Laws Article No. 8 Revised State of Missouri, December 9, 1879

4. State the classes of utility and other services furnished by respondent during the year in each state in which the respondent operated.

Water - Class A      Sewer - Class C

5. State below each class of security of the respondent which is registered on a national securities exchange or so is to become registered upon notice of issuance. Give (a) exact title of each class of securities, (b) amount of issued securities registered (c) amount of unissued securities to become registered upon notice of issuance, and (d) name of each exchange upon which registered or to become registered. Explain briefly, if the amounts of issued securities differ from the amounts shown by the respondent's balance sheet:

(a)	(b)	(c)	(d)
N/A	N/A	N/A	N/A

6. State below the name and address of the respondent's independent certified accountant or independent licensed public accountants and date such accountant was engaged. If one of the above accountants has been engaged as the principal accountant to audit the respondent's financial statements who was not the principal accountant for the respondent's prior filed certified financial statements, state the date when such independent accountant was initially engaged.

Pricewaterhouse Coopers LLP, Two Commerce Square, Suite 1800, 2001 Market Street, Philadelphia, PA 19103. Annual engagement letter for 2022 signed April 25, 2022.

For the calendar year of January 1 - December 31, 2022

Company Name Missouri-American Water Company

1. Company Address: 727 Craig Road  
St. Louis MO 63141
2. Company Phone Number: 314-996-2390
3. Company E-mail Address: \_\_\_\_\_

4. Name, title, address, phone number and e-mail of person(s) to contact concerning information contained in this report:

<u>Brian W. LaGrand / Director of Rates &amp; Regulatory Support</u>	_____
Name/Title	Name/Title
<u>727 Craig Road</u>	_____
Mailing Address	Mailing Address
<u>727 Craig Road</u>	_____
Street Address	Street Address
<u>St. Louis MO 63141</u>	_____
City State Zip	City State Zip
<u>314-996-2357</u>	_____
Telephone Number	Telephone Number
<u><a href="mailto:brian.lagrand@amwater.com">brian.lagrand@amwater.com</a></u>	_____
E-mail Address	E-mail Address

5. Please provide the Total Company **and** gross intrastate Operating Revenues (i.e., Missouri Jurisdictional) for Calendar Year: 2022

6. Revenues:	**	MO Jurisdictional	Total Company	**
Total Operating Revenues from Tariffed Services		\$ 377,407,261.64	\$ 377,407,262	
Total Other Revenues		4,885,284.17	\$ 4,885,284	
<b>TOTAL REVENUES</b>		<b>\$ 382,292,545.81</b>	<b>\$ 382,292,545.81</b>	

(Total MO Jurisdictional Revenues (Line 40 above) should match Statement of Revenue - MoPSC Assessment).



(To be used when filing under seal.)

Indicates formula cell

Co. Name **Missouri-American Water Company**

**OFFICERS**

1. Report below the name, title, office address, and salary for the year of each general officer of the respondent. Report the information for each other officer whose annual salary is \$50,000 or more. The salary information to be reported in column (d) is to be reported regardless of whether the respondent or an affiliate of the respondent actually paid the salary of the subject officers. Please provide in column (e) the Missouri-allocated portion of the salary information provided in column (d).

Title (a)	Name of Officers (b)	Principal Business Address (City and State) (c)	Total Corporate Annual Salary (d)	Missouri Allocated Portion Total*   Regulated** (e)	
President	Richard Svindland	St. Louis, MO	\$ 311,710	\$ 311,710	\$ 311,710
Vice President - Operations	Jeff Kaiser	St. Louis, MO	\$ 217,659	\$ 217,659	\$ 217,659
Vice President, Legal Operations and	Timothy Luft	St. Louis, MO	\$ 200,149	\$ 200,149	\$ 200,149
Assistant Treasurer	Andie Cokel	St. Louis, MO	\$ 155,000	\$ 155,000	\$ 155,000
Assistant Treasurer	Nicholas Furia	Camden, NJ	\$ 200,008	\$ 28,783	\$ 28,783
Assistant Treasurer	David Bowler	Camden, NJ	\$ 370,000	\$ 55,799	\$ 55,799
Assistant Comptroller	Melissa Ciullo	Camden, NJ	\$ 265,008	\$ 37,949	\$ 37,949
Assistant Secretary	Mary Beth Hercules	St. Louis, MO	\$ 72,976	\$ 72,976	\$ 72,976

\* This column should include the total Missouri allocated portion of the salary including regulated and non-regulated portions.

\*\* This column should include the portion allocated for Missouri regulated companies only.

2. If any officer reported in this schedule received remuneration from respondent, directly or indirectly, other than the salary reported in column (d), such as commissions, bonuses, shares in profits, money paid, set aside or accrued pursuant to any pension, retirement, savings or similar plan (exclusive of plans qualified under Section 401 of the Internal Revenue Code of 1954) including premiums paid for retirement annuities, or life insurance where the respondent is not the beneficiary, or any other advantageous arrangement which constitutes a form of compensation, give the essentials of the plan not previously reported, the basis of determining the ultimate benefits receivable, and the payments or provisions made during the year with respect to each person reported herein. If the word "none" correctly states the facts with respect to the matters referred to in this instruction, so state:

omit (see instruction 7)

3. State the annual benefits estimated to be payable to each of the three highest paid officers named herein in the event of retirement at normal retirement date pursuant to any pension or retirement plan:

omit (see instruction 7)

4. Describe all transactions since the beginning of the year in which any person who was an officer of the respondent at any time during the year received remuneration, directly or indirectly, from the respondent in the form of securities, options, warrants, rights or other property, or through the exercise or through the exercise or disposition thereof. If the response "none" correctly states the facts with respect to the matters referred to in this instruction, so state:

omit (see instruction 7)

5. State briefly any arrangement under which any officer is insured or indemnified against liability which he may incur in his capacity as an officer. If there are no such arrangements, so state:

omit (see instruction 7)

6. If a change was made during the year in the incumbent of any position, show name and address and total remuneration of the previous incumbent and date change in incumbency was made:

Melissa Ciullo – Assistant Comptroller – April 20, 2022 (elected)  
 David Bowler – removed as Assistant Comptroller and added as Assistant Treasurer effective November 21, 2022.  
 James Merante – Assistant Treasurer – November 21, 2022 (resigned)

7. Utilities which are not required to file copies of this report with the Securities and Exchange Commission may omit the data called for by instructions 2, 3, 4 and 5. Omission of responses to such instruction for this reason should be stated.

See applicable responses above

Co. Name **Missouri-American Water Company**

**DIRECTORS**

1. Report in instruction No. 3 below the required information concerning each director of the respondent who held office at any time during the year. Include in column (a), abbreviated titles of the directors who are officers of the respondent. The fee information to be reported in column (f) is to be reported regardless of whether the respondent or an affiliate of the respondent actually paid the fees to the subject directors. Please provide in column (g) the Missouri-allocated portion of the fee information provided in column (f).

2. If any of the instructions 2, 3, 4 or 5 of the Officers schedule is applicable with respect to any director who is not an officer, furnish responses concerning the matters referred to in those instructions. If the matter referred to in those instructions are not applicable, or if the reporting of this information is not required by reason of Instruction 7 of Officers, Page F-3, so state:

--

3. Members of the Executive Committee should be designated by an asterisk and the Chairman of the Executive Committee by a double asterisk.

Name of Director (a)	Principal Business Address (b)	Term Began (c)	Term Expires (d)	Directors' Meetings Attended During Year (e)	Fees During Year (f)	Missouri Allocated Portion (g)
Richard Svindland	St. Louis	1/1/22	12/31/22		\$ -	\$ -
Jeff Kaiser	St. Louis	1/1/22	12/31/22		\$ -	\$ -
Christine Page	St. Louis	1/1/22	12/31/22		\$ -	\$ -
Andie Cokel	St. Louis	1/1/22	12/31/22			
Beto Lopez	St. Louis	1/1/22	12/31/22	4	\$ 15,000	
Caleb Jones	St. Louis	1/1/22	12/31/22	2	\$ 6,700	
Jerry Hunter	St. Louis	1/1/22	12/31/22	1	\$ 2,500	
Kevin Gunn	St. Louis			1	\$ 7,500	

Company Name **Missouri-American Water Company**

**CORPORATE CONTROL OVER RESPONDENT**

1. Did any corporation or corporations hold control over the respondent at the close of the year?  Yes  No

If control was so held, state:

(a) The form of control, whether sole or joint:  Sole  Joint

(b) The name of the controlling corporation or corporations:

American Water Works Company, Inc.

(c) The manner in which control was established:

Ownership of Common Stock

(d) The extent of control:

100%

(e) Whether control was direct or indirect:  Direct  Indirect

(f) The name or names of the intermediary or intermediaries through which control, if indirect, was established (see Note):

2. Did any individual, association, or corporation hold control, as trustee, over the respondent at the close of the year?

Yes  No

If control was so held, state:

(a) The name of the Trustee:

N/A

(b) The name of the beneficiary or beneficiaries for whom the trust maintained:

N/A

(c) The purpose of the trust:

N/A

NOTE: The cases where control of the respondent is in a holding company, a statement should be submitted showing the intermediate chain of ownership or control to the main parent company.

Co. Name Missouri-American Water Company

**INTERCORPORATE TRANSACTIONS**

If, during the year any account was charged with an amount which was paid or credited to an affiliated company, the account or accounts affected, the respective amounts involved, and the name of the affiliated company should be given as indicated.

Account (a)	Amount (b)	Paid or Credited to (c)
107 Capital	\$ 16,228,613	American Water Works Services Inc
923 Support Services	\$ 38,961,283	American Water Works Services Inc
427 Interest Expense	\$ 42,230,732.40	American Water Capital Corp
431 Interest Expense	\$ 239,351.76	American Water Capital Corp
921 Credit Line Expense	\$ 205,958.42	American Water Capital Corp

Full explanation of the foregoing amounts as to nature, such as engineering services, management fees, material and supplies furnished, interest, finance charges, etc., and also the reason for handling the transaction in the manner indicated should be given for each item.

<u>Explanation</u>
<p>The above charges were made in accordance with a contract dated January 1, 1989 between Missouri American Water Company and American Water Works Service Company (AWWSC). Services provided by AWWSC include Accounting, Administration, Audit, Communications, Engineering, Legal, Finance, Human Resources, Information Systems, Operations, Rates &amp; Revenue, Risk Management, Water Quality and Customer Service.</p>







Company Name **Missouri-American Water Company**

**IMPORTANT CHANGES DURING THE YEAR**

Hereunder give particulars concerning the matters indicated below. Make the statements explicit and precise and number them in accordance with the inquiries. Each inquiry should be answered. If "none" or "not applicable," state the fact that inquiry is given elsewhere in the report, reference to the

1. Changes in and important additions to franchise rights: Describe the actual consideration given therefore and state from whom the franchise rights were acquired. If acquired without the payment of consideration, state that fact.
2. Acquisition of ownership in other companies; reorganization, merger, or consolidation with other companies: Give names of companies involved, particulars concerning the transactions, name of the Commission authorizing the transaction and reference to Commission authorization.
3. Purchase or sale of an operating unit or system: Give a brief description of the property, the transactions relating thereto and reference to Commission authorization, if any was required. Give date journal entries called for by the Uniform System of Accounts were submitted to the Commission.
4. Important leaseholds that have been acquired or given, assigned or surrendered: Give effective dates, lengths of terms, names of parties, rents and other conditions. State name of Commission authorizing lease and give reference to such authorization.
5. Important extension or reduction of transmission or distribution system: State territory added or relinquished and date operations began or ceased and give reference to Commission authorization, if any was required. State also the approximate number of customers added or lost and approximate annual revenues of each class of service.
6. Obligation incurred or assumed by respondent as guarantor for the performance by another of any agreement or obligation, excluding ordinary commercial paper maturing on demand or not later than one year after date of issue: State on behalf of whom the obligation was assumed and amount of the obligation. Give reference to Commission authorization if any was required.
7. Changes in articles of incorporation or amendments to charter: Explain the nature and purpose of such changes or amendments.
8. State the estimated annual effect and nature of any important wage scale changes during the year.
9. State briefly the status of any materially important legal proceedings pending at the end of the year and the results of any such proceedings culminated during the year.
10. Describe briefly any materially important transactions of the respondent not disclosed elsewhere in this report in which an officer, director, security holder, voting trustee, associated company or known associate of any of these persons was a party or in which any such person had a material interest.

1. None
2. None
3. In 2022 Missouri-American Water Company closed on the following acquisitions:
a) Orrick, Water & Sewer (WA-2022-0049), closed February 16, 2022
b) Hallsville, Sewer (SA-2021-0017), closed February 25, 2022
c) Eureka, Water & Sewer (WA-2021-0376), closed August 4, 2022
d) Monsees Lake Estates, Water & Sewer (WA-2022-0229), closed October 14, 2022
e) Purcell, Water & Sewer (WA-2022-0293), closed October 28, 2022
f) Pom-Osa Heights, Water, (WA-2022-0361), closed December 19, 2022
4. None
5. All extensions of the transmission or distribution system during the 2022 calendar year were in the normal course of business and not significant to the overall MAWC transmission and distribution system. New territory was acquired (refer to number 3 above) which added approximately 4,700 water and 5,300 sewer customers with annual estimated revenue of \$5.9 million.
6. None
7. None
8. None
9. Status of important legal proceedings in 2022.
a) Missouri Rate Case - WR-2022-0303 - in process
10. None

Company Name **Missouri-American Water Company**

NOTE: Please do not type over formulas. Totals will calculate automatically in this spreadsheet.

**COMPARATIVE BALANCE SHEET - UTILITY PLANT, ASSETS AND OTHER DEBITS**

Account No. (a)	Account Description (b)	Schedule Page No. (c)	Balance at Beginning of Year (d)	Balance at End of Year (e)	Increase or (Decrease) (f)
<u>Utility Plant</u>					
101-107	Utility Plant	<a href="#">F-16</a>	\$ 3,383,826,747	\$ 3,829,875,841	\$ 446,049,094
108-113	Less: Accumulated Provisions for Depreciation and Amortization	<a href="#">F-16</a>	\$ 612,886,963	\$ 621,453,372	\$ 8,566,409
	Net Utility Plant		\$ 2,770,939,785	\$ 3,208,422,470	\$ 437,482,685
114-115	Utility Plant Acquisition Adjustments (Net)	<a href="#">F-16</a>	\$ 5,006,734	\$ 3,631,703	\$ (1,375,031)
116	Other Utility Plant Adjustments				\$ -
	Total Net Utility Plant		\$ 2,775,946,519	\$ 3,212,054,173	\$ 436,107,654
<u>Other Property and Investments</u>					
121	Nonutility Property	<a href="#">F-18</a>	\$ -	\$ -	\$ -
122	Less: Accumulated Provisions for Depreciation and Amortization of Nonutility Property	<a href="#">F-18</a>	\$ -	\$ -	\$ -
	Net Nonutility Property		\$ -	\$ -	\$ -
123	Investment in Associated Companies	<a href="#">F-19</a>	\$ 849,203	\$ 849,203	\$ -
124	Other Investments	<a href="#">F-19</a>		\$ -	\$ -
125-128	Special Funds	<a href="#">F-19</a>		\$ -	\$ -
	Total Other Property & Investments		\$ 849,203	\$ 849,203	\$ -
<u>Current and Accrued Assets</u>					
131	Cash	-	\$ 1,431,980	\$ 1,961,208	\$ 529,228
132-134	Special Deposits	-	\$ 2,752	\$ 2,792	\$ 40
135	Working Funds	-	\$ 1,550	\$ 1,550	\$ -
136	Temporary Cash Investments	-	\$ -	\$ -	\$ -
141-143	Notes and Accounts Receivable	<a href="#">F-20</a>	\$ 25,985,592	\$ 28,366,313	\$ 2,380,721
144	LESS: Accumulated Provision for Uncollectible Accounts	<a href="#">F-20</a>	\$ (3,141,776)	\$ (2,904,479)	\$ 237,297
145-146	Receivable from Associated Companies	<a href="#">F-20</a>	\$ 13,277,883	\$ 4,274,237	\$ (9,003,646)
151-157	Materials and Supplies	<a href="#">F-21</a>	\$ 9,865,103	\$ 13,672,934	\$ 3,807,831
163	Stores Expense	<a href="#">F-21</a>	\$ -	\$ -	\$ -
166	Prepayments	<a href="#">F-21</a>	\$ 28,345	\$ 591,580	\$ 563,234
171	Interest and Dividends Receivable	-	\$ -	\$ -	\$ -
172	Rents Receivable	-	\$ -	\$ -	\$ -
173	Accrued Utility Revenues	-	\$ 17,173,256	\$ 16,578,607	\$ (594,648)
184	Miscellaneous Current and Accrued Assets	-	\$ 757,369	\$ 793,483	\$ 36,114
	Total Current and Accrued Assets		\$ 65,382,053	\$ 63,338,224	\$ (2,043,829)
<u>Deferred Debits</u>					
181	Unamortized Debt Discount and Expense	<a href="#">F-21</a>	\$ 9,643,769	\$ 10,720,329	\$ 1,076,560
182	Extraordinary Property Losses	<a href="#">F-21</a>	\$ -	\$ -	\$ -
183	Preliminary Survey and Investigation Charges	-	\$ -	\$ -	\$ -
184	Clearing Accounts	<a href="#">F-22</a>	\$ -	\$ -	\$ -
185	Temporary Facilities	-	\$ -	\$ -	\$ -
186	Miscellaneous Deferred Debits	<a href="#">F-21</a>	\$ 62,245,570	\$ 56,844,813	\$ (5,400,757)
187	Research and Development Expenditures	-	\$ -	\$ -	\$ -
	Total Deferred Debits		\$ 71,889,339	\$ 67,565,142	\$ (4,324,197)
	Total Utility Plants, Assets and Other Debits	*	\$ 2,914,067,114	\$ 3,343,806,742	\$ 429,739,628

\* Difference between Assets and Equity & Liabilities (from Pg.F-11) \$ (0) \$ -

Indicates link to another worksheet within workbook

Indicate formula cells

Company Name **Missouri-American Water Company**

NOTE: Please do not type over formulas. Totals will calculate automatically in this spreadsheet.

**COMPARATIVE BALANCE SHEET - EQUITY CAPITAL, LIABILITIES AND OTHER CREDITS**

Account No. (a)	Account Description (b)	Schedule Page No. (c)	Balance at Beginning of Year (d)	Balance at End of Year (e)	Increase or (Decrease) (f)
<b><u>Equity Capital</u></b>					
201	Common Stock Issued	<a href="#">F-24</a>	\$ 95,994,075	\$ 95,994,075	\$ -
204	Preferred Stock Issued	<a href="#">F-24</a>	\$ -	\$ -	\$ -
202, 205	Capital Stock Subscribed	<a href="#">F-24</a>	\$ -	\$ -	\$ -
203, 206	Stock Liability for Conversion	<a href="#">F-24</a>	\$ -	\$ -	\$ -
207	Premium on Capital Stock	<a href="#">F-25</a>	\$ -	\$ -	\$ -
208-211	Other Paid in Capital	<a href="#">F-25</a>	\$ 557,297,456	\$ 707,873,108	\$ 150,575,652
212	Installments Received on Capital Stock	<a href="#">F-24</a>	\$ -	\$ -	\$ -
213	Discount on Capital Stock	-	\$ -	\$ -	\$ -
214	Capital Stock Expense	<a href="#">F-24</a>	\$ -	\$ -	\$ -
215, 216	Retained Earnings	<a href="#">F-25</a>	\$ 298,927,008	\$ 321,874,705	\$ 22,947,697
217	Reacquired Capital Stock	<a href="#">F-24</a>	\$ -	\$ -	\$ -
	<b>Total Equity Capital</b>		<b>\$ 952,218,539</b>	<b>\$ 1,125,741,888</b>	<b>\$ 173,523,349</b>
<b><u>Long-Term Debt</u></b>					
221-222	Bonds LESS Reacquired Bonds	<a href="#">F-26</a>	\$ 899,785,127	\$ 1,109,517,397	\$ 209,732,270
223	Advances from Associated Companies	<a href="#">F-26</a>	\$ -	\$ -	\$ -
224	Other Long-Term Debt	<a href="#">F-26</a>	\$ -	\$ -	\$ -
	<b>Total Long-Term Debt</b>		<b>\$ 899,785,127</b>	<b>\$ 1,109,517,397</b>	<b>\$ 209,732,270</b>
<b><u>Current and Accrued Liabilities</u></b>					
231	Notes Payable	<a href="#">F-25</a>	\$ -	\$ -	\$ -
232	Accounts Payable	-	\$ 92,952,216	\$ 109,444,754	\$ 16,492,538
233, 234	Payables to Associated Companies	<a href="#">F-27</a>	\$ 112,290,021	\$ 144,789,547	\$ 32,499,526
235	Customer Deposits	-	\$ -	\$ -	\$ -
236	Taxes Accrued	<a href="#">F-28</a>	\$ 225,901	\$ (18,149,904)	\$ (18,375,805)
237	Interest Accrued	<a href="#">F-27</a>	\$ 7,281,885	\$ 8,023,552	\$ 741,667
238	Dividends Declared	-	\$ -	\$ -	\$ -
239	Matured Long-Term Debt	-	\$ -	\$ -	\$ -
240	Matured Interest	-	\$ -	\$ -	\$ -
241	Tax Collections Payable	-	\$ 1,727,979	\$ 1,986,172	\$ 258,193
242	Miscellaneous Current and Accrued Liabilities	<a href="#">F-27</a>	\$ 20,975,013	\$ 21,300,850	\$ 325,837
	<b>Total Current and Accrued Liabilities</b>		<b>\$ 235,453,015</b>	<b>\$ 267,394,970</b>	<b>\$ 31,941,956</b>
<b><u>Deferred Debits</u></b>					
251	Unamortized Premium on Debt	<a href="#">F-21</a>	\$ -	\$ -	\$ -
252	Advances for Construction	<a href="#">F-30</a>	\$ 1,662,090	\$ 801,067	\$ (861,023)
253	Other Deferred Credits	-	\$ 180,922,540	\$ 130,493,605	\$ (50,428,935)
255	Accumulated Deferred Investment Tax Credits	<a href="#">F-33</a>	\$ 2,429,750	\$ 2,327,822	\$ (101,928)
281-283	Accumulated Deferred Income Taxes	<a href="#">F-36</a>	\$ 331,618,210	\$ 377,632,066	\$ 46,013,856
	<b>Total Deferred Debits</b>		<b>\$ 516,632,589</b>	<b>\$ 511,254,559</b>	<b>\$ (5,378,030)</b>
261-265	Operating Reserves	<a href="#">F-37</a>	\$ 19,821,531	\$ 27,117,116	\$ 7,295,585
271	Contributions in Aid of Construction	<a href="#">F-37</a>	\$ 290,156,313	\$ 302,780,812	\$ 12,624,499
	<b>Total Equity Capital, Liabilities and Other Debits</b>	*	<b>\$ 2,914,067,114</b>	<b>\$ 3,343,806,742</b>	<b>\$ 429,739,628</b>

\* Difference between Equity & Liabilities and Assets (from Pg.F-10) \$ 0 \$ -

Indicates Link to Another Worksheet within Workbook

Indicates formula cell



**STATEMENT OF INCOME FOR THE YEAR**

Account No. (a)	Account Description (b)	Schedule Page No. (c)	Total	Sewer	Water
			Current Year (d)	Current Year (e)	Current Year (f)
<i>Utility Operating Income</i>					
400	Operating Revenues	<a href="#">S-1</a>   <a href="#">W-1</a>	\$ 382,292,546	\$ 15,831,535	\$ 366,461,010
401	Operation Expense	<a href="#">S-3</a>   <a href="#">W-6</a>	\$ 133,261,200	\$ 7,326,882	\$ 125,934,319
402	Maintenance Expense	<a href="#">S-3</a>   <a href="#">W-6</a>	\$ 10,421,925	\$ 323,978	\$ 10,097,948
403	Depreciation Expense	<a href="#">S-7</a>   <a href="#">W-11</a>	\$ 61,190,715	\$ 2,224,174	\$ 58,966,541
404-405	Amortization of Limited Term/Other Utility Plant	-	\$ (4,556,066)	\$ 744,243	\$ (5,300,308)
406	Amortization of Utility Plant Acquisition Adjustments	<a href="#">F-16</a>	\$ 7,821,453	\$ 231,085	\$ 7,590,369
407	Amortization of Property Losses	-	\$ 158,893	\$ -	\$ 158,893
408.1	Taxes Other Than Income Taxes-Utility Operating Income	<a href="#">F-31</a>	\$ 34,992,709	\$ 141,130	\$ 34,851,578
409.1	Income Taxes, Utility Operating Income	<a href="#">F-31</a>	\$ (24,638,109)	\$ -	\$ (24,638,109)
410.1	Provision for Deferred Income Taxes-Utility Operating Income	<a href="#">F-36</a>	\$ 29,173,191	\$ -	\$ 29,173,191
411.1	Income Taxes Deferred in Prior Years-Credit Utility Operating Income	<a href="#">F-36</a>	\$ -	\$ -	\$ -
412.1	Investment Tax Credits-Utility Operations, Deferred to Future Periods	<a href="#">F-33</a>	\$ (101,928)	\$ -	\$ (101,928)
412.2	Investment Tax Credits-Utility Operations, Restored to Operating Income	<a href="#">F-33</a>	\$ -	\$ -	\$ -
	Total Utility Operating Expenses		\$ 247,723,985	\$ 10,991,491	\$ 236,732,494
	Net Utility Operating Income		\$ 134,568,560	\$ 4,840,044	\$ 129,728,516
413	Income from Utility Plant Leased to Others	<a href="#">F-38</a>	\$ -	\$ -	\$ -
414	Gains (Losses) from Disposition of Utility Property	<a href="#">F-40</a>	\$ -	\$ -	\$ -
	Total Net Utility Operating Income		\$ 134,568,560	\$ 4,840,044	\$ 129,728,516
<i>Other Income</i>					
415-418	Nonutility Operating Income	<a href="#">F-39</a>	\$ 164,970	\$ -	\$ 164,970
419	Interest and Dividend Income (Net)	<a href="#">F-39</a>	\$ 220,998	\$ -	\$ 220,998
420	Allowance for Funds Used During Construction	<a href="#">F-41</a>	\$ 1,776,288	\$ 67,988	\$ 1,708,300
421	Miscellaneous Non-operating Income	<a href="#">F-41</a>	\$ -	\$ -	\$ -
422	Gains (Losses) from Disposition of Non-Utility Property	<a href="#">F-40</a>	\$ 83,936	\$ 23,559	\$ 60,377
	Total Other Income		\$ 2,246,192	\$ 91,547	\$ 2,154,644
<i>Other Income Deductions</i>					
425	Miscellaneous Amortization	<a href="#">F-41</a>	\$ 323,943	\$ 12,778	\$ 311,165
426	Miscellaneous Income Deductions	<a href="#">F-41</a>	\$ 66,374	\$ -	\$ 66,374
	Total Other Income Deductions		\$ 390,317	\$ 12,778	\$ 377,539
<i>Taxes Applicable to Other Income</i>					
408.2	Taxes Other than Income Taxes, Other Income and Deductions	<a href="#">F-31</a>	\$ -	\$ -	\$ -
409.2	Income Taxes, Other Income and Deductions	<a href="#">F-31</a>	\$ -	\$ -	\$ -
410.2	Provision for Deferred Income Taxes, Other Income and Deductions	<a href="#">F-36</a>	\$ -	\$ -	\$ -
411.2	Income Taxes Deferred in Prior Years - Credit, Other Income and Deductions	<a href="#">F-36</a>	\$ -	\$ -	\$ -
412.3	Investment Tax Credits-Utility Operations Restored to Non-operating Income	<a href="#">F-33</a>	\$ -	\$ -	\$ -
412.4	Investment Tax Credits, Non-utility Operations, Net	<a href="#">F-33</a>	\$ -	\$ -	\$ -
	Total Taxes on Other Income and Deductions		\$ -	\$ -	\$ -
	Net Other Income and Deductions		\$ 1,855,875	\$ 78,769	\$ 1,777,106
<i>Interest Charges</i>					
427	Interest on Long-Term Debt	<a href="#">F-41</a>	\$ 45,246,798	\$ 415,206	\$ 44,237,832
428	Amortization on Debt Discount and Expense	<a href="#">F-21</a>	\$ 887,962	\$ -	\$ 887,962
429	Amortization of Premium on Debt - Credit	<a href="#">F-21</a>	\$ -	\$ -	\$ -
430	Interest on Debt to Associated Companies	<a href="#">F-41</a>	\$ -	\$ -	\$ -
431	Other Interest Expense	<a href="#">F-41</a>	\$ (354,408)	\$ -	\$ 239,352
	Total Interest Charges		\$ 45,780,352	\$ 415,206	\$ 45,365,145
	Income Before Extraordinary Items		\$ 90,644,084	\$ 4,503,607	\$ 86,140,477
<i>Extraordinary Items</i>					
433	Extraordinary Income	-	\$ -	\$ -	\$ -
434	Extraordinary Deductions	-	\$ -	\$ -	\$ -
499.3	Income Taxes, Extraordinary Items	-	\$ -	\$ -	\$ -
	Extraordinary Items After Taxes		\$ -	\$ -	\$ -
	Net Income		\$ 90,644,084	\$ 4,503,607	\$ 86,140,477

Indicates Link to Another Worksheet within Workbook

Indicates formula cell

**STATEMENT OF RETAINED EARNINGS FOR THE YEAR**

1. Each credit and debit during the year should be identified as to the retained earnings account in which recorded and the contra-primary account affected shown in Column (c).
2. For each reservation or appropriation of retained earnings, state the purpose and amount.
3. Dividends should be shown for each class and series of capital stock. Show amounts of dividends per share.
4. Show separately the state and federal income tax effect of items shown in Account 439 and give a brief description of each adjustment.

Item (a)	Account No. (b)	Contra-Primary Account Affected (c)	Amount (d)
<b>Unappropriated Retained Earnings:</b>			
<u>Balance at Beginning of Year (Acct. 216)</u>	216		\$ 298,927,008
Changes (Please identify by prescribed retained earnings account.):			(Total to Pg. F-25)
<u>Adjustments to Retained Earnings (Acct. 439):</u>			
Credits:			
Total Credits to Retained Earnings	439		\$ -
Debits:			
Total Debits to Retained Earnings	439		\$ -
Balance Transferred from Income (Acct. 435)	435		
<u>Appropriations of Retained Earnings (Acct. 436):</u>			
Total Appropriations of Retained Earnings	436		\$ (90,644,084)
<u>Dividends Declared - Preferred Stock (Acct. 437):</u>			
Total Dividends Declared - Preferred Stock	437		\$ -
<u>Dividends Declared - Common Stock (Acct. 438):</u>			
Total Dividends Declared - Common Stock	438		\$ 67,696,387
Net Changes During the Year			\$ 22,947,697
			(Total to Pg. F-25)
Unappropriated Retained Earnings Balance at End of Year (Acct. 216)	216		\$ 321,874,705
			(Total to Pg. F-25)
<b>Appropriated Retained Earnings</b>			
<u>Balance at Beginning of Year (Acct. 215):</u>	215		
State balance and purpose of each appropriated retained earnings amount at the end of the year and give accounting entries for any applications of appropriated retained earnings during the year. [See Pg. F-25 for detail of transactions. Attach separate sheet, if necessary.]			(Total to Pg. F-25)
Changes During the Year			\$ -
Total Appropriated Retained Earnings at End of Year (Acct. 215)	215		\$ -
			(Total to Pg. F-25)
Total Retained Earnings (Accts. 215-216)	215 & 216		\$ 321,874,705

Notes to Statement of Retained Earnings for the Year

Indicates a link to another Worksheet within Workbook.

Indicates formula cell.



Company Name **Missouri-American Water Company****STATEMENT OF CHANGES IN FINANCIAL POSITION**

Source of Funds (a)	Amount (b)
Funds from Operations:	
Net Income	\$ 90,644,084
Principal Non-cash charges (credits) to Income:	
Depreciation and Depletion	\$ 64,614,996
Amortization of:	\$ (887,962)
Provision for Deferred or Future Income Taxes (Net)	\$ 29,173,191
Investment Tax Credit Adjustments	\$ (101,928)
Other (Net)	\$ (2,410,886)
Total Principal Non-cash Charges to Income	\$ 90,387,412
Total Funds from Operations	\$ 181,031,496
Funds from Outside Sources (New Money):	
Long-term Debt	\$ 200,000,000
Preferred Stock	
Common Stock	
Net Increase in Short-term Debt	
Other (Net)	
Total Funds from Outside Sources	\$ 200,000,000
Sale of Non-current Asset	
Other (Net):	\$ 162,005,019
Total Other (Net)	\$ 162,005,019
Total Sources of Funds	\$ 543,036,514
Application of Funds (a)	Amount (b)
Construction and Plant Expenditures (Include Land):	
Gross Additions to Utility Plant	\$ 506,191,859
Gross Additions to Common Utility Plant	
Gross Additions to Non-Utility Plant	
Other	
Total Applications to Construction and Plant Expenditures	\$ 506,191,859
Dividends on Preferred Stock	
Dividends on Common Stock	\$ 67,696,387
Funds for Retirement of Securities and Short-term Debt:	
Long-term Debt	\$ -
Preferred Stock	\$ -
Redemption of Capital Stock	
Net Decrease in Short-term Debt	\$ (10,871,438)
Other (Net)	\$ (10,006,783)
Total Funds for Retirement of Securities and Short-term Debt	\$ (20,878,221)
Purchase of Other Non-current Assets	
Other (Net)	\$ 24,012,275
Total Application of Funds	\$ 577,022,300
Net Change in Financial Position [Total Source of Funds LESS Total Application of Funds]	\$ (33,985,785)

Indicates formula cell.

**UTILITY PLANT AND ACCUMULATED DEPRECIATION AT END OF YEAR**  
Report Plant in Service and Depreciation after Allocation of Common Plant and Reserve to Utility Departments

Company Name  
Missouri-American Water Company

Plant Accounts (a)	Account No. (b)	Sewer Balance at Beginning of Year (c)	Water Balance at Beginning of Year (d)	Total Balance at Beginning of Year (e)	Sewer Balance at End of Year (f)	Water Balance at End of Year (g)	Total Balance at End of Year (h)
Utility Plant in Service	101	\$ 112,032,589	\$ 3,208,876,993	\$ 3,320,909,582	\$ 135,600,868	\$ 3,630,381,660	\$ 3,765,982,528
Completed Construction not Classified	102			\$ -			\$ -
Utility Plant in Process of Reclassification	103			\$ -			\$ -
Utility Plant Leased to Others (see below)	104			\$ -	\$ -	\$ -	\$ -
Property Held for Future Use	105			\$ -	\$ -	\$ -	\$ -
Utility Plant Purchased or Sold	106		\$ 3,026,500	\$ 3,026,500		\$ 2,783,680	\$ 2,783,680
Construction Work in Progress	107	\$ 1,610,647	\$ 58,280,018	\$ 59,890,665	\$ 4,549,922	\$ 56,559,712	\$ 61,109,633
<b>Total Utility Plant</b>		<b>\$ 113,643,237</b>	<b>\$ 3,270,183,511</b>	<b>\$ 3,383,826,747</b>	<b>\$ 140,150,790</b>	<b>\$ 3,689,725,052</b>	<b>\$ 3,829,875,841</b>
				(Total to Pg. F-10)			(Total to Pg. F-10)
Accumulated Provision for Depreciation:							
Utility Plant in Service	108	\$ 34,009,488	\$ 578,877,474	\$ 612,886,963	\$ 37,269,526	\$ 584,183,846	\$ 621,453,372
Utility Plant Leased to Others (see below)	109			\$ -	\$ -	\$ -	\$ -
Property Held for Future Use	110			\$ -			\$ -
Accumulated Provision for Amortization	111-113			\$ -			\$ -
<b>Total Accumulated Provisions for Depreciation and Amortization</b>		<b>\$ 34,009,488</b>	<b>\$ 578,877,474</b>	<b>\$ 612,886,963</b>	<b>\$ 37,269,526</b>	<b>\$ 584,183,846</b>	<b>\$ 621,453,372</b>
				(Total to Pg. F-10)			(Total to Pg. F-10)
Utility Plant Acquisition Adjustments:	114	\$ 306,693	\$ 12,200,998	\$ 12,507,691	\$ (431,604)	\$ 11,884,760	\$ 11,453,156
				\$ -			\$ -
				\$ -			\$ -
				\$ -			\$ -
				\$ -			\$ -
				\$ -			\$ -
Accum. Prov. of Amort. of Utility Plant Acquisition Adjustments	115	\$ 218,307	\$ 7,282,651	\$ 7,500,957	\$ 231,085	\$ 7,590,369	\$ 7,821,453
Net Utility Plant Acquisition Adjustments		\$ 88,386	\$ 4,918,348	\$ 5,006,734	\$ (662,688)	\$ 4,294,392	\$ 3,631,703
				(Total to Pg. F-10)			(Total to Pg. F-10)
<b>Total Utility Plant LESS Depreciation and Amortization</b>		<b>\$ 79,722,135</b>	<b>\$ 2,696,224,384</b>	<b>\$ 2,775,946,519</b>	<b>\$ 102,218,576</b>	<b>\$ 3,109,835,597</b>	<b>\$ 3,212,054,173</b>
<small>(Note: This total should match Total Net Utility Plant on Pg. F-10)</small>							

**UTILITY PLANT LEASED TO OTHERS**  
**at End of Year**  
**(Acct. 104)**

Name of Lessee (a)	Description of Property Leased (b)	Expiration Date of Lease (c)	Plant Balance at End of Year (d)	Accum. Deprec. and Amort. (e)
<u>Sewer:</u>				
Total Sewer Utility Plant Leased to Others (to above)			\$ -	\$ -
<u>Water:</u>				
Total Water Utility Plant Leased to Others (to above)			\$ -	\$ -
Total Sewer and Water Utility Plant Leased to Others			\$ -	\$ -

Indicates Link to Another Worksheet within Workbook  
Indicates formula cell.

For the calendar year of January 1 - December 31, 2022

Company Name **Missouri-American Water Company**

**UTILITY PLANT HELD FOR FUTURE USE (ACCT. 105)**

Report below the information called for concerning utility plant held for future use, show separate subtotals for each utility service. If no definite plan exists for use of the property in utility service, then report the investment in Acct. 121, Non-Utility Property.

Description and Location of Property (a)	Account No. (b)	Date Originally Acquired (c)	Year Expected to be Used in Utility Service (d)	Book Cost at End of Year (e)
<u>Sewer:</u>				
Total Sewer Utility Property Held for Future Use	105			\$ - (Total to Pg. F-16)
<u>Water:</u>				
Total Water Utility Property Held for Future Use	105			\$ - (Total to Pg. F-16)
Total Sewer & Water Utility Property Held for Future Use	105			\$ -
LESS: Accumulated Provision for Depreciation & Amortization	113			
Net Utility Property Held for Future Use				\$ -

**CONSTRUCTION WORK IN PROGRESS (ACCT. 107)**

Report each project under construction, the complete cost of which is estimated to exceed \$100,000. Group by utility departments all projects for less than \$250,000.00

Description of Project (a)	Balance at End of Year (b)	Estimated Cost of Project (c)
<u>Sewer:</u>		
See Page F-17 ATTACHMENT A	\$ 4,549,921.64	
Total Sewer Utility Plant Construction Work in Progress	\$ 4,549,921.64 (Total to Pg. F-16)	\$ -
<u>Water:</u>		
See Page F-17 ATTACHMENT B	\$ 56,559,711.79	
Total Water Utility Plant Construction Work in Progress	\$ 56,559,711.79 (Total to Pg. F-16)	\$ -
Total Sewer and Water Utility Plant Construction Work in Progress	\$ 61,109,633.43	\$ -

Indicates formula cell

## Page F-17 ATTACHMENT A

**CONSTRUCTION WORK IN PROGRESS (ACCT. 107)**

Report each project under construction, the complete cost of which is estimated to exceed \$100,000. Group by utility departments all projects for less than \$250,000

Description of Project (a)	Balance at End of Year (b)	Estimated Cost of Project (c)
<b>Sewer:</b>		
MOW2-Wastewater Plant #2 Expansion	\$ 245,975.65	\$ 3,345,976
MOW2-Incline Village WW #1 Replacement	\$ 2,371,257	\$ 3,038,445
MOO2-Ozark Meadows WWTP	\$ 23,330	\$ 349,294
Maplewood WW Lift Station Replacements	\$ 115,140	\$ 315,950
Monticello Lagoon	\$ 24,551	\$ 400,000
Cedar Hills WWTP	\$ 14,261	\$ 1,514,261
Stoney Creek Plant Upgrade	\$ 44,009	\$ 2,544,009
Highlands Lagoon	\$ 27,693	\$ 2,527,693
MOJ2-Jeff Cty Regional Sludge Processing	\$ 198,736	\$ 1,198,736
MOJCWW-Shamrock Hts WWTF Improvements	\$ 22,750	\$ 522,750
MOM1- Influent Scrn Incl Washer Compactr	\$ 390,978	\$ 634,733
MOWDW-NW WWTF Ammonia Upgrade	\$ 61,200	\$ 7,091,542
Trimble WW Disinfection	\$ 66,764	\$ 583,032
Eureka WWTF Nutrient Rem Upgrade	\$ 1,135	\$ 660,000
Eureka WW-Lagoon Influent Screen Repl	\$ 12,803	\$ 662,502
Eureka WW-Lagoon UV Replacement	\$ 13,088	\$ 663,088
Eureka WW-KOA Lift Station Repl	\$ 20,823	\$ 901,887
Eureka WW-Hilltop Lift Station Repl	\$ 19,296	\$ 919,296
Garden City WW Disinfection	\$ 65,424	\$ 264,812
Orrick WW Facility Plan & Disinfection	\$ 25,727	\$ 134,839
Projects that are less than \$200,000	\$ 799,240	
Suspended CWIP Reserve	\$ (14,261)	
Total Sewer Utility Plant Construction Work in Progress	\$ 4,549,922	\$ 28,272,845
	(Total to Pg. F-16)	

Page F-17 ATTACHMENT B

**CONSTRUCTION WORK IN PROGRESS (ACCT. 107)**

Report each project under construction, the complete cost of which is estimated to exceed \$100,000. Group by utility departments all projects for less than \$250,000

Description of Project (a)	Balance at End of Year (b)	Estimated Cost of Project (c)
<b>Water:</b>		
CCP Basin Improvements	\$ 1,014,875	\$ 156,400,000
MO River Xing to STC (Daniel Boone)	\$ 3,794,903	\$ 3,966,080
MP Chem Bldg & Lime Feed System	\$ 182,225	\$ 12,682,225
SCP Liquid Chem Feed Upgrade	\$ 196,128	\$ 15,946,128
Install New Elevated Sunset Tank	\$ 864,907	\$ 6,307,679
Install New Elev Sunset Tank Land Purch	\$ 342,772	\$ 342,772
MP Update Electrical Systems Phase 1	\$ 3,958,687	\$ 4,919,253
CP B HS Switchgear & Station - #2	\$ 909,946	\$ 4,253,815
SP Intake Reliability Improvements	\$ 20,350	\$ 19,520,350
CPB3 Switchgear Replacement - Phase 2	\$ 102,370	\$ 5,102,370
MOSL-Cntrl Zne Elevated Storg-Land Purch	\$ 818	\$ 500,818
MOSL-Valley Park Serv Reliability Impr	\$ 23,412	\$ 854,574
MOSL-Affton #3 Roof Replacement	\$ 1,355,668	\$ 1,328,603
MOSL-SP S Basin Sec Clarifier Rake Arm	\$ 53,205	\$ 741,996
MOSL-Eureka Water Transmission Ext	\$ 1,414,358	\$ 19,920,464
MOSL-SP-Land Purchase	\$ 8,447	\$ 8,673
MOSL-CP New RDP Lime Slaker	\$ 1,457,162	\$ 5,198,501
MOSL-CP New RDP Lime Slaker Phll	\$ 579,705	see above
MOSL-CP Basin HS Pump Vlts-#2	\$ 523,211	\$ 1,005,832
MOSL-Affton BS Rehab	\$ 104,418	\$ 371,847
MOSL-MP-C Basn Prim Sec Clar Dr Repl	\$ 29,873	\$ 634,873
MOSL-Fee Fee PS Upgrade	\$ 37,733	\$ 537,732
MOSL-Old Halls Ferry PS Upgrade	\$ 37	\$ 500,037
MOSL-Strecker BS Upgrade	\$ 37	\$ 500,037
MOSL-CP Sodium Bisulfite Ventilation Sys	\$ 39,081	\$ 189,354
MOSL-Ross PS Suction Header Repl	\$ 154,546	\$ 671,495
MOSL-CP 1&2 COAG Basin Improvements	\$ 88,777	\$ 6,871,419
MOSL-CP Phase II Planning Study	\$ 49,562	\$ 465,000
MOSL-CP Low Lift Valve Repl	\$ 91,834	\$ 281,565
STJ Faraon Booster Upgrade	\$ 56,472	\$ 1,806,472
MOWB-Ozone (O3) Replacement	\$ 1,074,088	\$ 2,305,088
MOSC-MO River Crossing Bore	\$ 718,574	\$ 25,718,574
MOSC-Transmission Main River Xing	\$ 20,363	\$ 3,520,363
MOMX-Water Treatment Optimization	\$ 79,932	\$ 679,932
MOMX-South Basin Wall Repl	\$ 47,406	\$ 237,775
Joplin Drought Mitigation	\$ 6,859,877	\$ 14,530,452
Joplin Drought Mitigation-Land Purchases	\$ 670,575	\$ 670,575
JOP-WTP Plant 1 Filter Backwash Impr	\$ 30,623	\$ 1,000,000
JOP-WTP Replace HSPS	\$ 6,675,348	\$ 7,625,173
MOJP-Chlorine to Hypo Conv Wells-Phase 1	\$ 63,404	\$ 236,253
MOJP-WTP Sodium Hypo Conv to Bulk	\$ 174,632	\$ 1,674,632
MOJC NEW Svc Cntr Canopy/Covered Storage	\$ 5,875	\$ 1,005,875
JFC-WTP Filtration & Chem Feed Bldg (P4)	\$ 47,943	\$ 20,047,943
MOJC-WTP Ph2 Improvements	\$ 109,712	\$ 1,884,712
MOJE New Well,Tank & Ofc Bldg-Land Purch	\$ 6,635	\$ 209,132
Enterprise Network Upgrade	\$ 754,114	\$ 757,169
Test Global Automation - Phase 2	\$ 125,288	\$ 126,128
e-Builder	\$ 279,460	\$ 323,540
Application Architecture Upgrade 2021	\$ 145,271	\$ 146,965
SuccessFactors EmplCentral & WFA 2021	\$ 278,917	\$ 271,423
Contract Management System	\$ 234,389	\$ 433,509
Customer Digital Channels-Phase 1	\$ 47,711	\$ 47,001
Enterprise Data Governance - 2022	\$ 80,402	\$ 80,832
One Map - 2022	\$ 298,432	\$ 301,796
HR Case Management	\$ 47,582	\$ 52,142
New Service Inquiry (NSI) Process Auto	\$ 9,870	\$ 959,870
Payment Assistance Portal	\$ (1,248)	\$ (1,266)
Qualtrics Integration-CX Insights	\$ 22,038	\$ 23,781
Enterprise MDM Platform-C-P1119	\$ 117,887	\$ 128,609
Enterprise MDM Platform v1	\$ 46,685	\$ 46,685
Enterprise MDM Platform v2	\$ 688,716	\$ 688,716
SAP Enhancements - Device - 2022	\$ 53,703	\$ 42,714
Risk Rate Phase 2	\$ 13,076	\$ 13,207
Ask HR	\$ 81,842	\$ 218,642
SAP Upgrade	\$ 354,824	\$ 377,334
SAP S4 Design	\$ 17,330	\$ 17,330

## Page F-17 ATTACHMENT B

**CONSTRUCTION WORK IN PROGRESS (ACCT. 107)**

Report each project under construction, the complete cost of which is estimated to exceed \$100,000. Group by utility departments all projects for less than \$250,000

Description of Project (a)	Balance at End of Year (b)	Estimated Cost of Project (c)
<b>Water:</b>		
PMO Tool	\$ 79,947	\$ 108,084
Paradox 2022	\$ 17,219	\$ 30,899
PowerPlant Upgrade	\$ 386,364	\$ 894,044
Payment Assistance Portal	\$ 40,652	\$ 500,710
Meter Data Management System	\$ 792,738	\$ 1,545,298
MDMS: Release 2	\$ 328,085	\$ 1,328,085
Doc Mgmt System Implementation	\$ 228,600	\$ 240,738
Data Privacy Technology Enh - Ph 2	\$ 13,146	\$ 355,677
Projects that are less than \$250,000	\$ 16,967,833	\$ -
Reclass entries		
Suspended CWIP Reserve/Workbasket Accrual	\$ (31,669)	
Total Water Utility Plant Construction Work in Progress	\$ 56,559,712	\$ 363,236,105
	(Total to Pg. F-16)	

Company Name **Missouri-American Water Company**

**NON-UTILITY PROPERTY (ACCOUNT 121)**

1. Give a brief description and state the location of non-utility property included in Account 121 and date.
2. Furnish particulars concerning sales, purchases or transfers of non-utility property during the year.
3. Minor items may be grouped.

Description and Location (a)	Date (b)	Balance at Beginning of Year (c)	Purchases, Sales, Transfers, etc. (d)	Balance at End of Year (e)	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
				\$ -	
	Total Non-Utility Property		\$ -	\$ -	\$ -
			(Total to Pg. F-10)		(Total to Pg. F-10)

**ACCUMULATED PROVISION FOR DEPRECIATION AND AMORTIZATION OF NON-UTILITY PROPERTY (ACCOUNT 122)**

Report below the information called for concerning depreciation and amortization of non-utility property.


Item (a)	Amount (b)
Balance at Beginning of Year	
Accruals for year charged to:	(Total to Pg. F-10)
Account 417 - Income from Non-utility Operations	
Account 418 - Non-operating Rental Income	
Other Accounts (Please specify.):	
Total Accruals for Year	\$ -
Net Charges for Plant Retired:	
Book Cost of Plant Retired	
Cost of Removal	
Salvage (Credit)	
Total Net Charges	\$ -
Other Debit or Credit Items (Please describe.):	
Balance at End of Year	\$ -
	(Total to Pg. F-10)

Indicates formula cell.

**INVESTMENTS AND FUNDS (ACCOUNTS 123- 128 INCLUSIVE)**

- Report with separate subheadings for each account, the securities owned by the utility including date of issuance and date of maturity in description of any debt securities owned. Designate any securities pledged and explain purpose of pledge in footnote. Minor investments in Account 124 may be grouped by classes.
- Report separately each fund account showing nature of assets included therein and list any securities included in fund accounts.

Name of Issuing Company and Description of Security (a)	Interest or Dividend Rate (b)	Par Value Per Share (c)	No. of Shares or Principal Amount (d)	Book Cost at End of Year (e)
<b>Investments in Associated Cos. (Acct 123):</b>				
Goodwill		\$ 1.00	849,203	\$ 849,203
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
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				\$ -
				\$ -
				\$ -
				\$ -
Total Investments in Associated Cos.				\$ 849,203
<b>Other Investments (Acct 124):</b>				
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
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				\$ -
				\$ -
Total Other Investments				\$ -
<b>Special Funds (Accts. 125-128)</b>				
<b>Sinking Funds (Acct 125):</b>				
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
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				\$ -
Total (Acct. 125)				\$ -
<b>Depreciation Fund (Acct 126):</b>				
				\$ -
				\$ -
				\$ -
				\$ -
				\$ -
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				\$ -
Total (Acct. 126)				\$ -
<b>Other Special Funds (Acct 128):</b>				
				\$ -
				\$ -
				\$ -
				\$ -
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				\$ -
				\$ -
				\$ -
Total (Acct. 128)				\$ -
Total Special Funds (Accts. 125-128)				\$ -
(Total to Pg. F-10)				

 Indicates formula cell.



Company Name **Missouri-American Water Company**

**NOTES AND ACCOUNTS RECEIVABLE**

Report hereunder notes and accounts receivable included in Accounts 141, 142, 143, 145 and 146.

Particulars (a)	Account No. (b)	Accounts Receivable at Beginning of Year (c)	Notes Receivable at Beginning of Year (d)	Accounts Receivable at End of Year (e)	Notes Receivable at End of Year (f)
<u>Notes and Accounts Receivable (Accts. 141-144)</u>					
Customer Accounts Receivable (Acct. 142):	142				
Water		\$ 22,295,450		\$ 26,690,534	
Sewer		\$ 1,380,217		\$ 1,509,851	
Merchandising, jobbing and contract work					
Total Customer Accounts Receivable		<b>\$ 23,675,667</b>	<b>\$ -</b>	<b>\$ 28,200,385</b>	<b>\$ -</b>
List below items included in Accounts 141, 143, 145 and 146, showing totals for each account and any interest rates:					
<u>Notes Receivable (Acct 141):</u>					
Total Account 141	141				
		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<u>Other Accounts Receivable (Acct 143):</u>					
Total Account 143	143	\$ 2,309,926		\$ 165,928	
		<b>\$ 2,309,926</b>	<b>\$ -</b>	<b>\$ 165,928</b>	<b>\$ -</b>
Total Notes and Accounts Receivable (Acct. 141-143)		<b>\$ 25,985,592</b>	<b>\$ -</b>	<b>\$ 28,366,313</b>	<b>\$ -</b>
Total Notes and Accounts Receivable (Accts. 141-143 Combined)			<b>\$ 25,985,592</b> (Total to Pg. F-10)		<b>\$ 28,366,313</b> (Total to Pg. F-10)
<u>Receivables from Associated Companies (Accts. 145-146)</u>					
<u>Notes Receivable (Acct 145):</u>					
Total Account 145	145		\$ -		\$ -
		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<u>Accounts Receivable (Acct 146):</u>					
American Water Capital Corporation	146	\$ 4,538,073		\$ (541,992)	
American Water Works Insurance		\$ -		\$ 1,856,365	
American Water Works Service Company		\$ 8,739,809		\$ 2,959,864	
Total Account 146		<b>\$ 13,277,883</b>	<b>\$ -</b>	<b>\$ 4,274,237</b>	<b>\$ -</b>
Total Receivables from Associated Cos. (Accts. 145-146)		<b>\$ 13,277,883</b>	<b>\$ -</b>	<b>\$ 4,274,237</b>	<b>\$ -</b>
Total Receivables from Associated Cos. (Accts. 145-146 Combined)			<b>\$ 13,277,883</b> (Total to Pg. F-10)		<b>\$ 4,274,237</b> (Total to Pg. F-10)

**ACCUMULATED PROVISION FOR UNCOLLECTIBLE ACCOUNTS (ACCOUNT 144)**

Particulars (a)	Amount (b)
Balance at Beginning of Year	\$ (3,141,776)
	(Total to Pg. F-10)
ADD: Provision for Uncollectibles During Year	
Collection of Accounts Previously Written Off:	
Sewer	
Water	\$ 2,551,167
Other	
Total Additions	<b>\$ 2,551,167</b>
DEDUCT: Accounts Written Off During Year	
Sewer	
Water	\$ 2,313,870
Other	
Total Accounts Written Off	<b>\$ 2,313,870</b>
Balance at End of Year	<b>\$ (2,904,479)</b>
	(Total to Pg. F-10)
Total Notes and Accounts Receivable LESS Accumulated Provisions for Uncollectible Accounts (Accts. 141-144)	<b>\$ 31,270,792</b>

Indicates formula cell.

**MATERIALS AND SUPPLIES (ACCOUNTS 151-157 AND 163)**

Particulars (a)	Account No. (b)	Balance at Beginning of Year (c)	Balance at End of Year (d)
Fuel Stock	151	\$ 103,151	\$ 136,261
Fuel Stock Expenses	152		
Plant Materials and Operating Supplies:	154		
Water		\$ 9,642,232	\$ 13,348,867
Sewer		\$ 18,985	\$ 54,208
Other			
Total Plant Materials and Operating Supplies		\$ 9,661,217	\$ 13,403,075
Merchandise	155		
Other Materials and Supplies	156	\$ 100,734	\$ 133,598
Total Materials and Supplies (Accts. 151-157)		\$ 9,865,103	\$ 13,672,934
		(Total to Pg. F-10)	(Total to Pg. F-10)
Stores Expense (Total to Pg. F-10)	163		
Total Materials and Supplies PLUS Stores Expense (Accts. 151-157 & 163)		\$ 9,865,103	\$ 13,672,934

**PREPAYMENTS (ACCOUNT 166)**

Particulars (a)	Balance at Beginning of Year (b)	Balance at End of Year (c)
Prepaid Insurance	\$ 38,874	\$ 42,933
Prepaid Rent		
Other Prepayments (Please specify):		
Prepaid Taxes	\$ (127,886)	\$ (17,243)
	\$ 91,176	\$ 505,349
	\$ 26,181	\$ 60,540
Total	\$ 28,345	\$ 591,580
	(Total to Pg. F-10)	(Total to Pg. F-10)

**UNAMORTIZED DEBT DISCOUNT AND EXPENSE AND PREMIUM ON DEBT**

Report Net Discount and expense or premium separately for each security issue and indicate totals for Accounts 181 and 251.

Debt Issue to Which Related (a)	Balance at Beginning of Year (b)	Amount Amortized During the Year (Accts. 428, 429) (c)	Balance at End of Year (d)
<u>Unamortized Debt Discount and Expense (Acct. 181)</u>			
	\$ 9,643,769	\$ (1,076,560)	\$ 10,720,329
	\$ -		\$ -
	\$ -		\$ -
	\$ -		\$ -
	\$ -		\$ -
Total (Acct. 181)	\$ 9,643,769	\$ (1,076,560)	\$ 10,720,329
	(Total to Pg. F-10)	(Total to Pg. F-12)	(Total to Pg. F-9)
<u>Unamortized Premium on Debt (Acct. 251)</u>			
	\$ -		\$ -
	\$ -		\$ -
	\$ -		\$ -
	\$ -		\$ -
	\$ -		\$ -
Total (Acct. 251)	\$ -	\$ -	\$ -
	(Total to Pg. F-11)	(Total to Pg. F-13)	(Total to Pg. F-11)

**MISCELLANEOUS DEFERRED DEBITS**

Report separately amounts in Accounts 182 and 186 and describe major items included in these accounts. For Account 182, show date of letter or order number authorizing amortization period.

Name of Account & Description of Item (a)	Date of Letter or Order No. (b)	Balance at Beginning of Year (c)	Charges During Year (d)	Credits During Year (e)	Balance at End of Year (f)
<u>Extraordinary Property Losses (Acct. 182)</u>					
		\$ -			\$ -
		\$ -			\$ -
		\$ -			\$ -
Total (Acct. 182)		\$ -	\$ -	\$ -	\$ -
		(Total to Pg. F-10)			(Total to Pg. F-10)
<u>Misc. Deferred Debits (Acct. 186)</u>					
		\$ 62,245,570	\$ 87,286,653	\$ 92,687,410	\$ 56,844,813
		\$ -			\$ -
		\$ -			\$ -
Total (Acct. 186)		\$ 62,245,570	\$ 87,286,653	\$ 92,687,410	\$ 56,844,813
		(Total to Pg. F-10)			(Total to Pg. F-10)

Indicates formula cell.

Report of Missouri-American Water Company

For the calendar year of January 1 - December 31,

2022

UNAMORTIZED DEBT DISCOUNT AND EXPENSE AND PREMIUM ON DEBT				
Report Net discount and expense or premium separately for each security issue and indicate totals for Accounts 181 and 251				
Debt Issue to Which Related (a)	Amount Beginning of Year	Amount Written Off During Year (b)	Other Debits During Year	Balance End Of Year (c)
General Mortgage, 7.79% Series	20,580	3,790		16,790
General Mortgage, 8.58% Series	8,221	2,585		5,636
General Mortgage, 7.14% Series	101,835	8,361		93,474
General Mortgage, 5.50% Tax-Exempt Series	12,980	12,981		(0)
General Mortgage, 5.00% 1998A Tax-Exempt Series	-	-		-
General Mortgage, 5.85% Tax-Exempt Series	66,998	14,889		52,110
General Mortgage, 5.00% 1998B Tax-Exempt Series	115,302	7,302		108,000
General Mortgage, 5.90% Tax-Exempt Series	546,808	34,626		512,182
General Mortgage, 5.20% Tax-Exempt Series	-	-		-
Mortgage Bonds, Series Q (Called during 2002)	225,625	28,500		197,125
Mortgage Bonds, Series R (refinanced as Series X)	-	-		-
Mortgage Bonds, Series S (refinanced as Series Y)	5,421	5,423		(2)
Mortgage Bonds, Series T	28,170	26,003		2,166
Mortgage Bonds, Series U	67,424	19,734		47,690
Mortgage Bonds, Series V	153,473	31,753		121,720
Mortgage Bonds, Series X	-	-		-
Mortgage Bonds, Series Y	574,519	36,327		538,192
AWCC Notes Payable 4.00% Series	1,708,206	7,800		1,700,406
AWCC Notes Payable 144A 6.593% Series	547,126	34,624		512,502
AWCC Notes Payable 6.55% Series	-	-		-
AWCC Notes Payable 8.25% Series	176,306	81,267		95,039
AWCC Notes Payable 4.30% Series	126,752	4,193		122,559
AWCC Notes Payable 144A@ 3.85% Series	72,083	9,255		62,828
AWCC Notes Payable 144A@ 4.30% Series	952,527	(4,671)		957,198
AWCC Notes Payable 144A@ 4.60% Series	846,779	33,981		812,798
AWCC Notes Payable 144A@ 3.75% Series	812,564	17,060		795,503
AWCC Notes Payable 144A@ 2.95% Series	86,072	6,101		79,971
AWCC Notes Payable 144A@ 4.20% Series	439,128	14,808		424,320
AWCC Notes Payable 144A@ 4.15% Series	1,089,194	12,779		1,076,415
AWCC Notes Payable 144A@ 3.45% Series	1,225,220	31,251		1,193,969
AWCC Notes Payable 144A@ 2.30% Series	970,280	48,536		921,744
AWCC Notes Payable 144A@ 3.25% Series	967,730	18,948		948,782
AWCC Notes Payable 144A@ 4.45% Series		(991,688)		1,917,542
Unamortized Debt - Revolver Fee	261,965			432,289
Total.....	\$ 12,209,286	\$ (443,483)		\$ 13,748,947

ANNUAL REPORT TO THE MISSOURI PUBLIC SERVICE COMMISSION

Page F-21 Attachment B

For the Calendar Year of January 1 - December 31, 2022

MISCELLANEOUS DEFERRED DEBITS

	Balance First of Year	Charges During the Year	Credits During the Year	Balance End of Year
Deferred Rate Proceedings	657,598	871,055	744,334	784,319
Retirement Work In Process	1,949,149	56,136,516	55,442,781	2,642,885
Deferred Regulatory Assets - FAS 109	5,149,774	5,071,233	8,256,096	1,964,911
Deferred Regulatory Assets - AFUDC CWIP	8,795,217	-	8,795,218	(0)
Deferred Maintenance Costs	(1)	-	-	(1)
Deferred Regulatory Assets - Post Retirement Benefits	-	-	-	-
Deferred Regulatory Assets - FAS 112	-	-	-	-
Deferred Regulatory Assets - Closing Costs	10,767	12,034	22,800	-
Deferred Rogue Creek Water & Sewer System	352,024	151,310	60,182	443,152
Deferred Cost of Service Study Costs	-	-	-	-
Deferred Customer Service Project	3,192,294	-	339,005	2,853,290
Deferred Financial Services Project	2,667,207	-	283,243	2,383,964
Deferred Low Income Program Costs	22,786	4,704	7,365	20,126
Deferred "Make-Whole Premium Costs	7,714,818	-	826,197	6,888,621
Deferred Customer Lead Service Line Replacement	14,128,538	14,773,064	9,007,230	19,894,372
Deferred Insurance Other Than Group Costs	-	-	-	-
Deferred Reg Asset - Cost of Removal - RWIP	-	-	-	-
Deferred Other Costs	17,605,399	10,266,736	8,902,959	18,969,176
<b>TOTAL</b>	<b>62,245,570</b>	<b>87,286,653</b>	<b>92,687,410</b>	<b>56,844,813</b>

Company Name Missouri-American Water Company

**CLEARING ACCOUNTS (ACCOUNT 184)**

Show all clearing accounts maintained during the year even though no balance remains in account at end of year.

Name of Account (a)	Balance at Beginning of Year (b)	Balance at End of Year (c)
NONE		
Total (Acct. 184)	\$ - (Total to Pg. F-10)	\$ - (Total to Pg. F-10)

Indicates formula cell.

Company Name **Missouri-American Water Company**

**CONSTRUCTION OVERHEADS**

Report hereunder the total overheads and the total direct cost of construction for the year classified by utility departments and functional groups of plant accounts under each utility department.

Utility Department and Functional Group of Plant (a)	Direct Construction Cost (b)	Construction Overhead	
		Amount (c)	Percent (d)
Tangible Plant	\$ 1,580,314.25	\$ 113,775.37	7.20%
Source of Supply Plant	\$ 8,527,888.64	\$ 613,968.84	7.20%
Pumping Plant	\$ 57,872,731.52	\$ 4,166,571.05	7.20%
Transmission & Distribution Plant	\$ 306,400,966.96	\$ 22,059,463.33	7.20%
General Plant	\$ 49,276,142.64	\$ 3,547,656.11	7.20%
<b>Total</b>	<b>\$ 423,658,044.00</b>	<b>\$ 30,501,434.70</b>	

Report hereunder the kinds of construction overheads for the year according to the titles used by the utility. Taxes during construction and AFUDC should be shown as separate items.

Class of Overhead (e)	Amount Charged to Construction (f)	% of Total Construction in Column (b) (g)
Pensions	\$ 3,598,996.94	0.85%
Worker's Compensation	\$ 903,982.54	0.21%
AFUDC	\$ 1,575,644.66	0.37%
Transportation	\$ 3,844,954.04	0.91%
Group Insurance	\$ 10,496,559.26	2.48%
OPEB Non Specific Capitalized Labor	\$ 10,081,297.25	2.38%
		0.00%
		0.00%
		0.00%
		0.00%
		0.00%
		0.00%
<b>Total</b>	<b>\$ 30,501,434.70</b>	

Report below the interest rate used in the practices of utility in capitalizing interest during construction.

Interest during construction is applied in general to all projects regardless of cost or length of construction period. Effective 1/1/85 the method of computing the allowance for funds used during construction was changed to using the equivalent to the weighted cost of capital, as determined in the most recent rate order net of the income tax effect upon the debt portion thereof.

Indicates formula cell.

**CAPITAL STOCK ACCOUNTS AT END OF YEAR**

Class and Series (a)	Shares Authorized by Charter (b)	Per Value Per Share (c)	Call Price End of Year (d)	Accts. 201 and 204		Acct. 217		Acct. 214
				Per Balance Sheet		Reacquired Stock		Capital Stock
				Shares (e)	Amount (f)	Shares (g)	Amount (h)	Expense (i)
<i>Common Stock Issued (Acct. 201):</i>	40,000,000	none	N/A	27,744,421	\$ 95,994,075.00			
Total (Acct. 201)					\$ 95,994,075.00		\$ -	\$ -
					(Total to Pg. F-11)			
<i>Preferred Stock Issued (Acct. 204):</i>								
Total (Acct. 204)					\$ -		\$ -	\$ -
					(Total to Pg. F-11)		\$ -	\$ -
							(Total to Pg. F-11)	(Total to Pg. F-11)

Company Name Missouri-American Water Company

**OTHER CAPITAL LIABILITY (ACCOUNTS 202, 203, 205, 206 AND 212)**

Explanation (Please specify account numbers for each item.) (a)	Amount at Dec. 31 (b)
<i>Common Stock Subscribed (Acct 202):</i>	
Total (Acct. 202)	\$ -
<i>Preferred Stock Subscribed (Acct 205):</i>	
Total (Acct. 205)	\$ -
Total (Acct. 202 & Acct. 205)	\$ -
	(Total to Pg. F-11)
<i>Common Stock Liability for Conversion (Acct 203):</i>	
Total (Acct. 203)	\$ -
<i>Preferred Stock Liability for Conversion (Acct 206):</i>	
Total (Acct. 206)	\$ -
Total (Acct. 203 & Acct. 206)	\$ -
	(Total to Pg. F-11)
<i>Installments Received on Capital Stock (Acct 212):</i>	
Total (Acct. 212)	\$ -
	(Total to Pg. F-11)

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.

Company Name **Missouri-American Water Company**

**OTHER PAID-IN-CAPITAL (ACCOUNTS 207-211)**

Particulars (a)	Account No. (b)	Balance at Beginning of Year (c)	Balance at End of Year (d)	Increase (Decrease) (e)
Premium on Capital Stock	207			\$ -
		(Total to Pg. F-11)	(Total to Pg. F-11)	
Donations Received from Stockholders	208			\$ -
Reduction in Par or Stated Value of Capital Stock	209			\$ -
Gain on Resale or Cancellation of Reacquired Cap. Stock	210			\$ -
Miscellaneous Paid-in Capital	211	\$ 557,297,455.84	\$ 707,873,108.33	\$ 150,575,652.49
Total (Accts. 208-211)		\$ 557,297,455.84	\$ 707,873,108.33	\$ 150,575,652.49
		(Total to Pg. F-11)	(Total to Pg. F-11)	
Total Other Paid-in Capital (Accts. 207-211)		\$ 557,297,455.84	\$ 707,873,108.33	\$ 150,575,652.49

Explain Changes During Year Hereunder

**RETAINED EARNINGS (ACCOUNTS 215-216)**

Particulars (a)	Appropriated (Acct. 215) (b)	Unappropriated (Acct. 216) (c)	Total (d)
Balance at Beginning of Year	\$ -	\$ 298,927,008.12	\$ 298,927,008.12
Changes During the Year (Please explain in detail. Attach extra sheet if necessary.) <u>Appropriated Retained Earnings (Acct. 215):</u>		(Please see Pg. F-14 for detail of changes relating to this account.)	
Total Changes During the Year	\$ -	\$ 22,947,696.75	\$ 22,947,696.75
	(Total to Pg. F-14)		
Balance at End of Year	\$ -	\$ 321,874,704.87	\$ 321,874,704.87
			(Total to Pg. F-11)

**NOTES PAYABLE (ACCOUNT 231)**

Name of Payee and Purpose for Which Issued (a)	Date of Note No. (b)	Date of Maturity (c)	Interest Rate (d)	Balance at End of Year (e)
Total Notes Payable (Acct. 231)				\$ -
				(Total to Pg. F-11)

Indicates link to another worksheet within workbook.

Indicates formula cell.



**LONG-TERM DEBT (ACCOUNTS 221-224)**

Report data called for and show total for each long-term debt account at end of year.

Description of Debt (a)	Nominal Date of Issue (b)	Nominal Date of Maturity (c)	Interest Rate (d)	General Call Price at End of Year (e)	Held by Utility		Amount Outstanding (h)
					Reacquired Bonds (f)	Sinking and Other Funds (g)	
<i>Bonds (Acct. 221-222):</i>							
SEE ATTACHMENT							\$ 1,109,517,396.83
Total Bonds LESS Reacquired Bonds (Accts. 221-222)					\$ -	\$ -	\$ 1,109,517,396.83
(Total to Pg. F-11)							
<i>Advances from Associated Companies (Acct. 223):</i>							
Total Advances from Assoc. Cos. (Acct. 223)					\$ -	\$ -	\$ -
(Total to Pg. F-11)							
<i>Other Long-term Debt (Acct. 224):</i>							
Total Other Long-term Debt (Acct. 224)					\$ -	\$ -	\$ -
(Total to Pg. F-11)							
Total Long-term Debt (Acct. 221-224)					\$ -	\$ -	\$ 1,109,517,396.83
(Note: This total should match Total Long-term Debt on Pg. F-11.)							

Company Name Missouri American Water Company

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.

Description of Debt (a)	Nominal Date of Issue (b)	Nominal Date of Maturity (c)	Interest Rate (d)	General Call Price at End of Year (e)			Amount Outstanding (h)
					Reacquired Bonds (f)	Sinking and Other Funds (g)	
<u>Bonds (Acct. 221-222):</u>							
7.14% Series General Mortgage Bonds	03/01/1994	03/01/2034	7.14%				\$ 12,500,000
8.58% Series General Mortgage Bonds	03/01/1995	03/01/2025	8.58%				\$ 3,000,000
7.79% Series General Mortgage Bonds	06/12/1997	06/01/2027	7.79%				\$ 8,000,000
6.59% Series Notes Payable to affiliate 144A AWCC	10/22/2007	10/15/2037	6.59%				\$ 103,000,000
5.05% Series Notes Payable to affiliate	11/21/2011	10/15/2037	5.05%				\$ 25,000,000
4.30% Series Notes Payable to affiliate	12/17/2012	12/01/2042	4.30%				\$ 15,000,000
4.93% Series Notes Payable to affiliate	06/11/2012	10/15/2037	4.93%				\$ 18,292,000
4.93% Series Notes Payable to affiliate	06/11/2012	10/15/2037	4.93%				\$ 10,944,000
4.90% Series Notes Payable to affiliate	07/02/2012	10/15/2037	4.90%				\$ 2,331,000
4.90% Series Notes Payable to affiliate	07/02/2012	10/15/2037	4.90%				\$ 10,364,000
4.90% Series Notes Payable to affiliate	07/02/2012	10/15/2037	4.90%				\$ 13,081,000
5.05% Series Notes Payable to affiliate	07/02/2012	10/15/2037	4.90%				\$ 22,712,000
3.85% Series Notes Payable to affiliate	11/20/2013	3/1/2024	3.85%				\$ 25,000,000
4.30% Series Notes Payable to affiliate	8/13/2015	09/1/2045	4.30%				\$ 50,000,000
4.00% Series Notes Payable to affiliate	11/17/2016	12/1/2046	4.00%				\$ 107,480,000
3.75% Series Notes Payable to affiliate	8/22/2017	9/1/2047	3.75%				\$ 70,000,000
2.95% Series Notes Payable to affiliate	9/13/2017	9/1/2027	2.95%				\$ 12,646,633
4.2% Series Notes Payable to affiliate	8/9/2018	9/1/2048	4.20%				\$ 45,000,000
4.15% Series Notes Payable to affiliate	5/13/2019	6/1/2049	4.15%				\$ 75,000,000
3.45% Series Notes Payable to affiliate	4/14/2000	5/1/2050	3.45%				\$ 110,000,000
2.30% Series Notes Payable to affiliate	6/14/2021	6/1/2031	2.30%				\$ 90,000,000
3.25% Series Notes Payable to affiliate	5/14/2021	6/1/2051	3.25%				\$ 73,000,000
.74% Special Government Utility Mortgage Bond	3/10/2022	7/1/2041	0.74%				\$ 10,195,382
3.25% Series Notes Payable to affiliate	5/5/2022	6/1/2032	3.25%				\$ 200,000,000
Bond discount on 3.85% Series issuance 11/20/2013							\$ (21,049)
Bond discount on 4.30% Series issuance on 12/17/2012							\$ (19,036)
Bond discount on 4.30% Series issuance on 8/13/2015							\$ (517,427)
Bond discount on 4.00% Series issuance on 11/17/2016							\$ (741,833)
Bond discount on 3.75% Series issuance on 8/22/2017							\$ (183,124)
Bond discount on 2.95% Series issuance on 9/13/2017							\$ (23,534)
Bond discount on 4.20% Series issuance on 8/9/2018							\$ (21,620)
Bond discount on 4.15% Series issuance on 5/13/2019							\$ (362,666)
Bond discount on 3.45% Series issuance on 4/14/2020							\$ (118,255)
Bond discount on 2.30% Series issuance on 6/14/2021							\$ (229,198)
Bond discount on 3.25% Series issuance on 5/14/2021							\$ (198,141)
Bond discount on 4.45% Series issuance on 5/05/2022							\$ (592,736)
Total Bonds LESS Reacquired Bonds (Accts. 221-222)				\$	\$	\$	\$ 1,109,517,397



SCHEDULE ATTACHED TO AND MADE AS PART OF  
ANNUAL REPORT TO THE MISSOURI PUBLIC SERVICE COMMISSION  
**Page F-27 Attachment**

MISCELLANEOUS CURRENT AND ACCRUED LIABILITIES (ACCOUNT 242)

Minor items may be grouped by classes

Description (a)	Balance at Beginning of Year (c)	Balance at End of Year (b)
Accrued Dividend Requirements	-	-
Accrued Vacation Pay	712,896	745,843
Accrued Water Purchases	96,824	121,824
Accrued Power	823,215	1,050,415
Accrued Legal	44,773	171,302
Accrued Wages	1,052,998	1,232,818
Accrued Insurance	(377,762)	-
Accrued Severance	249,260	-
Accrued Insurance Retro Adjustment	-	-
Accrued Insurance Unfunded	-	-
Accrued Waste Disposal	2,018,737	3,217,867
Accrued Retiree Medical	258,000	252,000
Accrued DCP - Contribution	101,057	113,296
Accrued Health Savings Account	-	-
Accrued Bank Fees	254,127	279,980
Accrued Employer 401k Match	87,739	97,173
Accrued Incentive Plan Cash	3,330,254	3,475,191
Accrued Paving	382,767	443,851
Accrued Litigation	3,250,000	-
Accrued Audit Fees	-	-
Unclaimed Credits	105,847	479,320
Unclaimed Wages and Checks	47,965	178,635
Withheld Payroll Amounts	331,229	345,820
Operating Lease Current Liability	2,106,604	1,806,898
Unbilled Items	1,543,228	1,877,345
Collections for Others	614,023	1,074,926
Deferred Revenue - Current Portion	598,047	597,986
Other Current Liabilities	3,343,188	3,738,360
Accrued Revenue	-	-
Total Misc. Current and Accrued Liabilities (Acct. 242)	<b>\$ 20,975,013</b>	<b>\$ 21,300,850</b>



Company Name **Missouri-American Water Company**

**RECONCILIATION OF REPORTED NET INCOME WITH TAXABLE INCOME FOR INCOME TAXES**

1. Report hereunder a reconciliation of net income for the year with estimated taxable income used in computing income tax accruals and show computation of tax accruals.
2. If the utility is a member of a group that files a consolidated tax return, reconcile reported net income with federal taxable income from a separate tax return been filed. Report names of companies to consolidated group and basis of allocation of tax liability among members of the group.

	Amount	
	State	Federal
Net Income for year as reported:		
Adjustments made to determine income (list additional income and unallowable deductions first, followed by additional deductions and nontaxable income):		
<b>SEE ATTACHMENTS A &amp; B</b>		
Net Adjustments:	\$ -	\$ -
Taxable Net Income	\$ -	\$ -

Computation of Taxes

Indicates formula cell.

**SCHEDULE ATTACHED TO AND MADE AS PART OF  
ANNUAL REPORT TO THE PUBLIC SERVICE COMMISSION OF MISSOURI  
Page F-29 Attachment "A"**

**Missouri-American Water Company  
Current Tax Provision and Calculation of Income Tax Accrual  
2022**

Line	Description	State	Federal
1	Net Income per Books	\$ 90,644,084	\$ 90,644,084
2	Federal Income Tax Expense per books	3,925,321	3,925,321
3	State & Local Income Tax Expense per books	507,834	507,834
4	Pre-Tax Book Income	95,077,239	95,077,239
5	Permanent Differences:		
6	Meals and Entertainment	9,666	9,666
7	Nondeductible Penalties	(1,355)	(1,355)
8	Research and Development		-
9	Preferred Stock Dividends		-
10	Preferred Stock Expense		-
11	Medicare Subsidy		-
12	Nondeductible Donations		-
13	Stock Options RSU ESPP Windfall	(383,034)	(383,034)
14	Political Contributions		-
15	Lobbying Expenses/Political Contributions	146,818	146,818
16	Qualified Transportation Fringe Benefits (QTF)	331,607	331,607
17	Total Permanent Differences	103,702	103,702
18	Financial Taxable Income	95,180,941	95,180,941
19	Temporary Differences		
20	Bad Debt	(143,973)	(143,973)
21	Vacation Pay		-
22	Loss Contract & Contingency Reserves		-
23	Depreciation	(184,353,721)	(184,353,721)
24	Amortization		-
25	Goodwill Amortization		-
26	Gains and Losses		-
27	Abandonment Losses		-
28	Repairs		-
29	Cost of Removal		-
30	AFUDC	(223,226)	(223,226)
31	CIAC		-
32	Pavement Repairs	61,084	61,084
33	Miscellaneous Deferred Debits/Credits (net)	(9,265,839)	(9,265,839)
34	Litigation Reserve	(3,250,000)	(3,250,000)
35	Accrued Sludge		-
36	MTBE Settlement		-
37	Other LT Liabilities	(771,975)	(771,975)
38	COVID-19	1,565,804	1,565,804
39	Depreciation Study		-
40	Cost of Service Study		-
41	Deferred Revenue	(71,623)	(71,623)
42	Rate Case Expense	(126,721)	(126,721)
43	Amortization of Debt Discount	826,197	826,197
44	Deferred Maintenance		-
45	Deferred Customer Service Center Costs	339,005	339,005
46	Deferred Financial Services Costs	283,244	283,244
47	FAS 123 (r) Stock Options	168,240	168,240
48	FAS 123 (r) Restricted Stock Units		-
49	FAS 123 (r) ESPP		-
50	Incentive	(104,323)	(104,323)
51	Pension	(4,184,089)	(4,184,089)
52	Pension Reg Asset Liability		-
53	OPEB	(8,412,141)	(8,412,141)
54	OPEB Reg Asset Liability		-
55	Taxable Advances (CAC)		-
56	Partnership Income/(Loss)		-
57	Bonds - FV Adjustment		-
58	Operating Lease	(3,444)	(3,444)
59	Foreign Exchange Gain (Loss)		-
60	Accrued NOAA Settlement		-
61	Swap Contract FV Liability		-
62	Refund Rates Under Bond		-
63	Stabilization		-
64	Closing Cost Regulatory Asset	10,767	10,767
65	Consulting Fee Regulatory Asset		-
66	Warranty Reserve		-
67	Interest Income Adjustment		-
68	Partnership Other Deductions		-
69	Partnership Other Capital Gain/Loss		-
70	Self-Insurance	160,353	160,353
71	Trust Dividends		-
61	Total Temporary Differences	(207,496,381)	(207,496,381)
62	Federal Taxable Income Before SIT	(112,315,440)	(112,315,440)
63	Reclass current year loss benefit to deferred		
64	State Only Bonus Depreciation and Sec481(a) Adjustment		
65	Taxable Income	(112,315,440)	(112,315,440)
66	State Only Tax Adjustments	(1,121,345)	
67	NOL	11,364,417	
	State Tax Deduction		4,082,895
68	Taxable Income	(102,072,368)	(108,232,545)
69	State/Federal Tax Rate	4.00%	21.0%
70			
71	State/Federal Current Year Income Tax Accrual	(\$4,082,895)	(\$22,728,835)
72	ADD:		
73	Federal Only Tax Adjustments		1,853,517
74	SIT/Fit Prior Year	320,107	-
75	Def SIT/FIT	4,270,623	24,902,569
76	Investment Tax Credits	-	(101,928)
77	Total Income Tax Expense	507,835	3,925,323
78	Rounding	(1)	(3)
79		507,834	3,925,321
80	Total Income Tax Expense per line 2 & 3 above	507,834	3,925,321

**COMPANIES TO BE INCLUDED IN THE CONSOLIDATED FEDERAL INCOME TAX RETURN  
OF AMERICAN WATER WORKS COMPANY, INC. AND AFFILIATED SUBSIDIARIES**

**Page F-29 Attachment "B"**

**YEAR - 01/01/22-12/31/22**

	<u>COMPANY</u>	Employer Identification Number
1	American Industrial Water LLC	47-1730161
2	American Lake Water Company	06-1396121
3	American Water (USA), LLC	98-0165920
4	American Water Capital Corp.	22-3732448
5	American Water Defense Services, LLC	84-1872466
6	American Water Enterprises Holding, LLC	76-0605357
7	American Water Enterprises, LLC	22-3169459
8	American Water Federal Services, LLC	84-1888611
9	American Water Military Services, LLC	47-3136886
10	American Water Operations and Maintenance, LL	98-0165919
11	American Water Real Property Holdings LLC	26-3196576
12	American Water Services CDM, Inc.	91-1745331
13	American Water Works Company, Inc.	51-0063696
14	American Water Works Service Company, Inc.	23-1340234
15	AW Insurance LLC	47-4426070
16	AW Insurance LLC - Series B	84-4174267
17	AW Insurance LLC - Series C	84-4174441
18	AW Insurance LLC-Series A	84-4171067
19	AW Technologies, LLC	45-3808303
20	AWIP Holdings LLC	83-3607533
21	Bluefield Valley Water Works Company	66-6022466
22	California-American Water Company	51-0104148
23	Edison Water Company	22-3519296
24	Environmental Disposal Corporation	22-2391983
25	Environmental Management, LLC	43-1205270
26	E'town Properties, Inc.	22-2817018
27	E'Town Services L.L.C.	42-1533685
28	Georgia-American Water Company LLC	84-1783027
29	Hawaii-American Water Company	99-0108667
30	Illinois-American Water Company	51-0105894
31	Indiana-American Water Company, Inc.	35-0936102
32	Iowa-American Water Company	42-0735216
33	Kentucky-American Water Company	61-0485002
34	Laurel Oak Properties Corporation	20-1022964
35	Liberty Water Company	22-3596293
36	Maryland-American Water Company	52-0265025
37	Michigan-American Water Company	38-1657784
38	Missouri-American Water Company	44-0578460
39	Mt. Ebo Sewage Works, Inc.	13-3223856
40	New Jersey-American Water Company	22-1546642
41	New York American Water Company	11-1516966
42	One Water Street LLC	81-4501058
43	Pennsylvania-American Water Company	25-1008096
44	Tennessee-American Water Company	62-0529095
45	TWH LLC	52-1723310
46	TWNA, Inc.	06-1548192
47	Virginia-American Water Company	54-0119650
48	West Virginia-American Water Company	55-0307487

**Mailing address for all above companies is:  
PO Box 2738  
ATTN: Income Tax Department  
One Water Street  
Camden, NJ 08102-2738**





**DISTRIBUTION OF TAXES TO ACCOUNTS**

Report hereunder the accounts and functions charged with taxes accrued and taxes cleared from prepaid accounts during the year. Where allocation is necessary, explain the basis used for such allocation. Report in footnote the amounts and kinds of taxes cleared from prepaid taxes, if any.

Account Number or Function Charged (a)	Real Estate and Personal Property Taxes (b)	State Income Taxes (c)	Federal Income Taxes (d)	FICA and Federal & State Unemployment Taxes (e)	Local Property Taxes (f)	State & Local Taxes Paid to Other States (g)	Other Taxes (h)	Total (i)
<i>Taxes Other Than Income Taxes-Utility Operating Income (Acct. 408.1)</i>								
Water	\$ 32,326,109			\$ 2,525,469				\$ 34,851,578
Sewer	\$ 7,719			\$ 133,411				\$ 141,130
Other								\$ -
Total (Acct. 408.1)	\$ 32,333,828	\$ -	\$ -	\$ 2,658,881	\$ -	\$ -	\$ -	\$ 34,992,709
								(Total to Pg. F-13)
<i>Taxes Other Than Income Taxes-Other Income &amp; Deductions (Acct. 408.2)</i>								
Water								\$ -
Sewer								\$ -
Other								\$ -
Total (Acct. 408.2)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
								(Total to Pg. F-13)
<i>Income Taxes - Utility Operating Income (Acct. 409.1)</i>								
Water		\$ (3,762,788)	\$ (20,875,320)					\$ (24,638,109)
Sewer								\$ -
Other								\$ -
Total (Acct. 409.1)	\$ -	\$ (3,762,788)	\$ (20,875,320)	\$ -	\$ -	\$ -	\$ -	\$ (24,638,109)
								(Total to Pg. F-13)
<i>Income Taxes-Other Income &amp; Deductions (Acct. 409.2)</i>								
Water								\$ -
Sewer								\$ -
Other								\$ -
Total (Acct. 409.2)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
								(Total to Pg. F-13)
Clearing Accounts								
Construction								\$ -
Other (Please specify):								\$ -
								\$ -
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Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Footnote(s)								

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

Indicates formula cell.

Company Name Missouri-American Water Company

**INVESTMENT TAX CREDITS GENERATED AND UTILIZED**

1. This schedule shall be prepared by the reporting company regardless of the method of accounting adopted for the investment tax credits. By footnote, state the method of accounting adopted and whether the company has consented to pass the entire amount of tax credits on to customers in the year used to reduce taxes and if so, state the amount of such credits passed on.
2. As indicated in Column (a), the schedule shall show each year's activities commencing with 1962 and shall separately identify the data for the various rates.
3. Report in Column (b), the amount of investment tax credits generated from properties acquired for use in public utility operations and report in Column (c) the amount of such generated credits utilized in computing the annual income taxes. If there are other utility or nonutility operations, show any applicable generated and utilized investment tax credits in a footnote. Also, explain by footnote any adjustment to Columns (b), (c), and (d) such as for correcting, etc., or carryback or unused credits.
4. Report in Column (d) the weighted-average useful life of all properties used in computing the investment tax credits in Column (b).
5. Show by footnote any unused credits available at end of each year for carry forward as a reduction of taxes in subsequent years.
6. Separate amounts according to classification of utility using an additional page, if necessary.

Year (a)	Credit Generated For Year (b)	Credit Utilized For Year (c)	Weighted-Average Useful Life of Property (d)
<u>1962-1974</u> 3% 4% 7%			
<u>1975-1976</u> 3% 4% 7% 10% 11%			
<u>1977</u> 3% 4% 7% 10% 11%			
<u>1978</u> 3% 4% 7% 10% 11%			
<u>1979</u> 3% 4% 7% 10% 11%			
<u>1980</u> 3% 4% 7% 10% 11%			
Footnote(s)			

## INVESTMENT TAX CREDITS GENERATED AND UTILIZED

1. This schedule shall be prepared by the reporting company regardless of the method of accounting adopted for the investment tax credits. By footnote state the method of accounting adopted, and whether the company has consented to pass the entire amount of tax credits on to customers in the year used to reduce taxes and if so, state the amount of such credits passed on.

2. As indicated in Column (A), the schedule shall show each year's activities commencing with 1962 and shall separately identify the data for the various rates.

3. Report in Column (B) the amount of investment tax credits generated from properties acquired for use in public utility operations and report in Column (C) the amount of such generated

credits utilized in computing the annual income taxes. If there are other utility or nonutility operations, show any applicable generated and utilized investment tax credits in a footnote. Also explain by footnote any adjustment to Columns (B), (C), and (D) such as for corrections, etc. or carryback or unused credits.

4. Report in Column (D) the weighted-average useful life of all properties used in computing the investment tax credits in Column (B).

5. Show by footnote any unused credits available at end of each year for carry forward as a reduction of taxes in subsequent years

6. Separate amounts according to classification of utility using an additional page if necessary.

		Credit Generated	Credit Utilized	Weighted Average
Year		For Year	For Year	Useful Life
(A)		(B)	(C)	of Property
				(D)
1962-1974				
3%		40,320	794	71 yrs.
4%		32,316	804	56 yrs.
7%				
1975-1976				
3%				
4%		58	1	58 yrs.
7%				
10%		25,550	629	57 yrs.
11%				
1977				
3%				
4%				
7%				
10%		12,550	360	48 yrs.
11%				
1978				
3%				
4%				
7%				
10%		19,776	465	59 yrs.
11%				
1979				
3%				
4%				
7%				
10%		29,199	822	49 yrs.
11%				
1980				
3%				
4%				
7%				
10%		56,027	2,023	39 yrs.
11%				
1981				
10%		10,768	266	56 yrs.
1982				
10%		45,650	1,738	36 yrs.
1983	10%	24,341	915	37 yrs.
1984	10%	91,930	3,118	41 yrs.
1985	10%	33,314	1,051	44 yrs.

## INVESTMENT TAX CREDITS GENERATED AND UTILIZED

1. This schedule shall be prepared by the reporting company regardless of the method of accounting adopted for the investment tax credits. By footnote state the method of accounting adopted, and whether the company has consented to pass the entire amount of tax credits on to customers in the year used to reduce taxes and if so, state the amount of such credits passed on.
2. As indicated in Column (A), the schedule shall show year's activities commencing with 1962 and shall separately identify the data for the various rates.
3. Report in Column (B) the amount of investment tax credits generated from properties acquired for use in public utility operations and report in Column (C) the amount of such generated credits utilized in computing the annual income taxes. If there are other utility or nonutility operations, show any applicable generated and utilized investment tax credits in a footnote. Also explain by footnote any adjustment to Columns (B), (C), and (D) such as for corrections, etc. or carryback or unused credits.
4. Report in Column (D) the weighted-average useful life of all properties used in computing the investment tax credits in Column (B).
5. Show by footnote any unused credits available at end of each year for carry forward as a reduction of taxes in subsequent years
6. Separate amounts according to classification of utility using an additional page if necessary.

	Credit Generated	Credit Utilized	Weighted Average	
Year	For Year	For Year	Useful Life	
(A)	(B)	(C)	of Property	
			(D)	
1962-1974				
3%	106,644	2,530	55 yrs.	
4%	42,371	940	59 yrs.	
7%				
1975-1976				
3%				
4%	124	3	62 yrs.	
7%				
10%	42,580	1,412	39 yrs.	
11%				
1977				
3%				
4%				
7%				
10%	28,936	893	42 yrs.	
11%				
1978				
3%				
4%				
7%				
10%	61,672	1,535	52 yrs.	
11%				
1979				
3%				
4%				
7%				
10%	58,724	1,811	42 yrs.	
11%				
1980				
3%				
4%				
7%				
10%	62,133	2,339	41 yrs.	
11%				
1981				
10%	32,591	968	44 yrs.	
1982				
10%	49,007	1,990	32 yrs.	
1983	10%	59,196	1,865	41 yrs.
1984	10%	157,853	5,049	41 yrs.
1985	10%	43,724	2,473	23 yrs.

## INVESTMENT TAX CREDITS GENERATED AND UTILIZED

1. This schedule shall be prepared by the reporting company regardless of the method of accounting adopted for the investment tax credits. By footnote state the method of accounting adopted, and whether the company has consented to pass the entire amount of tax credits on to customers in the year used to reduce taxes and if so, state the amount of such credits passed on.

2. As indicated in Column (A), the schedule shall show each year's activities commencing with 1962 and shall separately identify the data for the various rates.

3. Report in Column (B) the amount of investment tax credits generated from properties acquired for use in public utility operations and report in Column (C) the amount of such generated

credits utilized in computing the annual income taxes. If there are other utility or nonutility operations, show any applicable generated and utilized investment tax credits in a footnote. Also explain by footnote any adjustment to Columns (B), (C), and (D) such as for corrections, etc. or carryback or unused credits.

4. Report in Column (D) the weighted-average useful life of all properties used in computing the investment tax credits in Column (B).

5. Show by footnote any unused credits available at end of each year for carry forward as a reduction of taxes in subsequent years

6. Separate amounts according to classification of utility using an additional page if necessary.

Year		Credit Generated	Credit Utilized	Weighted Average
(A)		For Year	For Year	Useful Life
		(B)	(C)	(D)
1962-1974				
3%		49,693	2,021	45 yrs.
4%		29,467	1,056	40 yrs.
7%				
1975-1976				
3%				
4%		80	1	45 yrs.
7%				
10%		26,307	1,245	31 yrs.
11%				
1977				
3%				
4%				
7%				
10%		16,428	770	21 yrs.
11%				
1978				
3%				
4%				
7%				
10%		36,063	1,229	29 yrs.
11%				
1979				
3%				
4%				
7%				
10%		37,048	1,606	23 yrs.
11%				
1980				
3%				
4%				
7%				
10%		47,023	2,638	18 yrs.
11%				
1981				
10%		19,625	754	26 yrs.
1982				
10%		39,291	2,246	17 yrs.
1983	10%	20,600	916	22 yrs.
1984	10%	60,310	2,540	24 yrs.
1985	10%	18,138	1,147	16 yrs.

## INVESTMENT TAX CREDITS GENERATED AND UTILIZED

1. This schedule shall be prepared by the reporting company regardless of the method of accounting adopted for the investment tax credits. By footnote state the method of accounting adopted, and whether the company has consented to pass the entire amount of tax credits on to customers in the year used to reduce taxes and if so, state the amount of such credits passed on.

2. As indicated in Column (A), the schedule shall show each year's activities commencing with 1962 and shall separately identify the data for the various rates.

3. Report in Column (B) the amount of investment tax credits generated from properties acquired for use in public utility operations and report in Column (C) the amount of such generated

credits utilized in computing the annual income taxes. If there are other utility or nonutility operations, show any applicable generated and utilized investment tax credits in a footnote. Also explain by footnote any adjustment to Columns (B), (C), and (D) such as for corrections, etc. or carryback or unused credits.

4. Report in Column (D) the weighted-average useful life of all properties used in computing the investment tax credits in Column (B).

5. Show by footnote any unused credits available at end of each year for carry forward as a reduction of taxes in subsequent years

6. Separate amounts according to classification of utility using an additional page if necessary.

Report data called for and show total for each Long-term debt account at end of year.

Year (A)	Credit Generated For Year (B)	Credit Utilized For Year (C)	Weighted Average Useful Life of Property (D)
<b>1962-1974</b>			
3%	1,030,635	1,030,635	71.16
4%	645,326	645,326	
7%			
<b>1975-1976</b>			
3%	33,102	33,102	100
4%	35,475	35,475	100
7%			
10%	479,932	479,932	74.33
11%			
<b>1977</b>			
3%	620	620	100
4%	14,628	14,628	100
7%			
10%	627,022	627,022	61.78
11%			
<b>1978</b>			
3%	781	781	100
4%	4,112	4,112	100
7%			
10%	557,813	557,813	73.32
11%			
<b>1979</b>			
3%	182	182	100
4%	3,737	3,737	100
7%			
10%	593,303	593,303	71.08
11%			
<b>1980</b>			
3%	185	185	100
4%	3,038	3,038	100
7%			
10%	358,538	358,538	69.29
11%			
<b>1981</b>			
3%	30	30	100
4%	1,943	1,943	100
7%			
10%	498,226	498,226	73.61
<b>1982</b>			
4%	630	630	100
10%	387,092	387,092	74.86
<b>1983</b>			
4%	558	558	100
10%	399,574	399,574	74.16
<b>1984</b>			
4%	311	311	100
10%	425,275	425,275	67.10
<b>1985</b>			
4%	873	873	100
10%	1,660,477	1,660,477	75.33
1986 10%	341,555	341,555	82.07
1987 10%	-157,854	-157,854	90
1988 10%	-864	-864	-67.91
1989 10%	-482	-482	72.78
1990 10%	-71	-71	90

1. This schedule shall be prepared by the reporting company regardless of the method of accounting adopted for the investment tax credits. By footnote state the method of accounting adopted, and whether the company has consented to pass the entire amount of tax credits on to customers in the year used to reduce taxes and if so, state the amount of such credits passed on.

2. As indicated in Column (A), the schedule shall show each year's activities commencing with 1962 and shall separately identify the data for the various rates.

3. Report in Column (B) the amount of investment tax credits generated from properties acquired for use in public utility operations and report in Column (C) the amount of such generated

credits utilized in computing the annual income taxes. If there are other utility or nonutility operations, show any applicable generated and utilized investment tax credits in a footnote. Also explain by footnote any adjustment to Columns (B), (C), and (D) such as for corrections, etc. or carryback or unused credits.

4. Report in Column (D) the weighted-average useful life of all properties used in computing the investment tax credits in Column (B).

5. Show by footnote any unused credits available at end of each year for carry forward as a reduction of taxes in subsequent years

6. Separate amounts according to classification of utility using an additional page if necessary.

Report data called for and show total for each Long-term debt account at end of year.

Year (A)	Credit Generated For Year (B)	Credit Utilized For Year (C)	Weighted Average Useful Life of Property (D)
1962-1974			
3%			
4%			
7%			
1975-1976			
3%			
4%			
7%			
10%			
11%			
1977			
3%			
4%			
7%			
10%			
11%			
1978			
3%			
4%			
7%			
10%			
11%			
1979			
3%			
4%			
7%			
10%			
11%			
1980			
3%			
4%			
7%			
10%			
11%			
1981			
10%	95,715	4,928	
1982			
10%			
1983			
1984			
1985			



**ACCUMULATED DEFERRED INVESTMENT TAX CREDITS (ACCOUNT 255)**

Report as specified below information applicable to Account 255. Where appropriate, segregate the balances and transactions by utility and non-utility operations. Explain by footnote any correction adjustments to the account balance, shown in Column (g). Include in Column (i) the average period over which the tax credits are amortized.

Company Name Missouri-American Water Company

Account Subdivisions (a)	Balance at Beginning of Year (b)	Deferred for Year		Allocations to Current Year's Income		Adjustments (g)	Balance at End of Year (h)	Average Period of Allocation to Income (i)
		Account No. (c)	Amount (d)	Account No. (e)	Amount (f)			
<i>Utility Operations Deferred to Future Periods:</i>		412.10		412.11				
255 x 1 3%	\$ 2,416,259			\$ (98,028)			\$ 2,318,231	
255 x 2 4%	\$ 1			\$ -			\$ 1	
255 x 3 10%	\$ 13,490			\$ (3,900)			\$ 9,590	
<b>Total Utility Operations Deferred to Future Periods</b>	<b>\$ 2,429,750</b>		<b>\$ -</b>	<b>\$ (101,928)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,327,822</b>	
			(Total to Pg. F-13)		(Total to Pg. F-13)			
<i>Utility Operations, Restored to Operating Income:</i>		412.20		412.21				
<b>Total Utility Operations, Restored to Operating Income</b>	<b>\$ -</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
			(Total to Pg. F-13)		(Total to Pg. F-13)			
<i>Utility Operations, Restored to Nonoperating Income:</i>		412.30		412.31				
<b>Total Utility Operations, Restored to Nonoperating Income</b>	<b>\$ -</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
			(Total to Pg. F-13)		(Total to Pg. F-13)			
<i>Nonutility Operations, Net:</i>		412.40		412.41				
<b>Total Nonutility Operations, Net</b>	<b>\$ -</b>		<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	
			(Total to Pg. F-13)		(Total to Pg. F-13)			
<b>Total Accum. Def. Inv. Tax Credits (Acct. 255)</b>	<b>\$ 2,429,750</b>		<b>\$ -</b>	<b>\$ (101,928)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,327,822</b>	
	(Total to Pg. F-11)						(Total to Pg. F-11)	

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.





**ACCUMULATED DEFERRED INCOME TAXES - OTHER (ACCOUNT 283)**

1. Report the information called for below concerning the respondent's accounting for deferred income taxes relating to amounts recorded in Account 283.
2. In the space provided below: (a) include amounts relating to insignificant items under Other.
3. Other (Please specify) - include deferrals relating to other income and deductions.
4. Use separate pages as required.

Company Name Missouri-American Water Company

Account Subdivisions (a)	Balance at Beginning of Year (b)	Changes During the Year				Adjustments				Balance at End of Year (k)
		Amount Debited Account 410.1 (c)	Amounts Credited Account 411.1 (d)	Amounts Debited Account 410.2 (e)	Amounts Credited Account 411.2 (f)	Debits		Credits		
						Acct. No. (g)	Amount (h)	Acct. No. (i)	Amount (j)	
<i>Accumulated Deferred Income Taxes (Acct. 283):</i>										
Sewer										
Water	\$ 331,618,210	\$ 29,173,191.34							\$ 16,840,665	\$ 377,632,066
Other										
Total (Account 283)	\$ 331,618,210	\$ 29,173,191.34	\$ -	\$ -	\$ -		\$ -		\$ 16,840,665	\$ 377,632,066
<i>Classification of Total:</i>										
Federal Income Tax										
State Income Tax										
Local Income Tax										
<b>ACCUMULATED DEFERRED INCOME TAXES (ACCOUNTS 281-283)</b>										
	Balance at Beg of Yr	410.1	411.1	410.2	411.2	Balance at End of Yr				
Accelerated Amortization (Acct. 281)(Total from Pg. F-34)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
Liberalized Depreciation (Acct. 282)(Total from Pg. F-35)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
Other (Acct. 283) (from above)	\$ 331,618,210	\$ 29,173,191	\$ -	\$ -	\$ -	\$ 377,632,066				
Total	\$ 331,618,210	\$ 29,173,191	\$ -	\$ -	\$ -	\$ 377,632,066				
	(Total to Pg. F-11)	(Total to Pg. F-13)	(Total to Pg. F-13)	(Total to Pg. F-13)	(Total to Pg. F-13)	(Total to Pg. F-13)				

For the calendar year of January 1 - December 31, 2022

Indicates link to another worksheet within workbook.  
Indicates formula cell.

**PROPERTY INSURANCE AND INJURIES AND DAMAGES RESERVES (ACCOUNTS 261-262)**

Particulars (a)	Acct. 261 (b)	Acct. 262 (c)
Balance at Beginning of Year		
	(Total to Pg. F-11)	(Total to Pg. F-11)
Additions During the Year (Please specify utility and account charged.):		
Total Additions	\$ -	\$ -
Deductions During the Year (Please specify.):		
Total Deductions	\$ -	\$ -
Net Increase (Decrease) During the Year	\$ -	\$ -
Balance at End of Year	\$ -	\$ -
	(Total to Pg. F-11)	(Total to Pg. F-11)
Explain nature of risks for which above reserves have been established and give actual or estimate liability for claims at end of year.		

**OTHER RESERVES (ACCOUNTS 263-265)**

Name and Purpose of Each Reserve (a)	Balance at Beginning of Year (b)	Balance at End of Year (b)
	\$ 19,821,531	\$ 27,117,116
Total Other Reserves (Accts. 263-265)	\$ 19,821,531	\$ 27,117,116
	(Total to Pg. F-11)	(Total to Pg. F-11)

**CONTRIBUTIONS IN AID OF CONSTRUCTION (ACCOUNT 271)**

Class of Utility Service (a)	Balance at Beginning of Year (b)	Credits During the Year (c)	Charges During the Year		Balance at End of Year (f)
			Acct. No. Credited (d)	Amount (e)	
Sewer	\$ 13,067,171	\$ 1,787,247	403	\$ 2,224,174	\$ 13,504,098
	\$ -				\$ -
	\$ -				\$ -
	\$ -				\$ -
	\$ -				\$ -
	\$ -				\$ -
	\$ -				\$ -
	\$ -				\$ -
Water	\$ 277,089,142	\$ 46,778,970	403	\$ 58,966,541	\$ 289,276,714
	\$ -				\$ -
	\$ -				\$ -
	\$ -				\$ -
	\$ -				\$ -
	\$ -				\$ -
	\$ -				\$ -
	\$ -				\$ -
	\$ -				\$ -
Total Contributions in Aid of Construction (Acct. 271)	\$ 290,156,313	\$ 48,566,216		\$ 61,190,716	\$ 302,780,812
	(Total to Pg. F-11)				(Total to Pg. F-11)

Indicates link to another worksheet within workbook.  
 Indicates formula cell.

Company Name Missouri-American Water Company

**INCOME FROM UTILITY PLANT LEASED TO OTHERS (ACCOUNT 413)**

Show hereunder particulars concerning revenues, expenses and net income from lease of utility plant constituting a distinct operating unit or system. Report data for each lease arrangement. Use additional sheets if necessary.

Particulars (a)	Total (b)	(c)	(d)
Rentals received (Please specify from whom received and identify property leased.)			
Total Rentals	\$ -	\$ -	\$ -
Expenses:			
Operation			
Maintenance			
Depreciation Expense			
Amortization Expense			
Taxes Other than Income Taxes			
Income Taxes			
Total Expenses	\$ -	\$ -	\$ -
Net Income from Utility Plant Leased to Others (Acct. 413)	\$ -	\$ -	\$ -
	(Total to Pg. 13)		

**INCOME FROM MERCHANDISING, JOBBING AND CONTRACT WORK (ACCOUNTS 415-416)**

Particulars (a)	Sewer (b)	Water (c)	Total (d)
Sales:			
Gross Sales		\$ 258,538	\$ 258,538
Deductions:			
Discount and Allowances			\$ -
Merchandise Returns			\$ -
Total Deductions	\$ -	\$ -	\$ -
Net Sales	\$ -	\$ 258,538	\$ 258,538
Cost of Sales			\$ -
Gross Profit from Sales	\$ -	\$ 258,538	\$ 258,538
Expenses (List hereunder expenses by major classes including the following):			
Depreciation Expense			\$ -
Customer Accounts Expense		\$ (81,674)	\$ (81,674)
Employee Pensions and Benefits		\$ -	\$ -
Administrative and General Expenses		\$ (1,215)	\$ (1,215)
Taxes Other than Income Taxes		\$ -	\$ -
Labor		\$ 12,489	\$ 12,489
Chemicals		\$ -	\$ -
Materials		\$ 10,336	\$ 10,336
Paving		\$ 33,183	\$ 33,183
Contract Services		\$ 16,757	\$ 16,757
CIAC		\$ 8,893	\$ 8,893
Miscellaneous		\$ 94,799	\$ 94,799
			\$ -
			\$ -
			\$ -
Total Expenses	\$ -	\$ 93,568	\$ 93,568
Net Income from Merchandising, Jobbing and Contract Work (Accts. 415-416)	\$ -	\$ 164,970	\$ 164,970
			(Total to Pg. F-39)

Indicates formula cell.

**NON-OPERATING RENTAL INCOME (ACCOUNT 418)**

Name of Lessee and Description of Property (a)	Amount (b)
Rent Revenue (List major items separately, others may be grouped.):	
Total Rent Revenues	\$ -
Expenses:	
Operation and Maintenance	
Depreciation	
Taxes Other than Income Taxes	
Income Taxes	
Total Expenses	\$ -
Non-operating Rental Income	\$ -

**INTEREST AND DIVIDEND INCOME (ACCOUNT 419)**

Security or Account on Which Received (a)	Interest or Dividend Rate (b)	Amount (c)
Customer Lead Service Line Replacements		\$ 220,998
Total Interest and Dividends		\$ 220,998
Expenses Applicable to Above (as listed hereunder):		
Total Expenses		\$ -
Net Interest and Dividend Income (Acct. 419)		\$ 220,998
		(Total to Pg. F-13)

<b>Other Income (Nonutility Operating Income)</b>	
Acct. 415-416 (From Pg. F-38)	\$ 164,970
Acct. 417 (From Pg. F-41)	\$ -
Acct. 418	\$ -
Total (Acct. 415-418)	\$ 164,970
	(Total to Pg. F-13)

Indicates link to another worksheet within workbook.

Indicates formula cell.

**GAIN OR LOSS ON DISPOSITION OF PROPERTY (ACCOUNTS 414 AND 422)**

1. Give a brief description of property creating the gain or loss. Include name of party acquiring the property (when acquired by another utility or associated company) and the date transaction was completed. Identify property by type (i.e., leased, held for future use or non-utility).
2. Individual gains or losses relating to property with an original cost of less than \$50,000 may be grouped with the number of such transactions disclosed in Column (a).
3. Give the date of Commission approval of journal entries in Column (c) when approval is required. Where approval is required but has not been received, give explanation following the item in Column (a). (See Account 106, Utility Plant Purchased or Sold)

Company Name Missouri-American Water Company

(a)	Original Cost of	Date Journal Entry	Account No. (c)	Gain (Losses) (d)
	Related Property (b)	Approved (When Required) (b)		
Gain on Disposition of Property:				
<i>Utility Property (Acct. 414)</i>				
Total Utility Property Gain (Acct. 414)				\$ -
<i>Non-Utility Property (Acct. 422)</i>				
Gain on Acquisitions	N/A	N/A	N/A	\$ 25,205
Net change in Deferred Compensation plan	N/A	N/A	N/A	\$ 58,731
Gains/Losses on Utility Property Sales	N/A	N/A	N/A	\$ -
Gains/Losses Non-Utility Property Disposals	N/A	N/A	N/A	\$ -
Gains/Losses Non-Utility Property Sales	N/A	N/A	N/A	\$ -
Total Utility/Non-Utility Property Gain (Acct. 422)				\$ 83,936
Loss On Disposition of Property:				
<i>Utility Property (Acct. 414)</i>				
Total Utility Property Loss (Acct. 414)				\$ -
<i>Non-Utility Property (Acct. 422)</i>				
Total Non-Utility Property ( Loss (Acct. 422)				\$ -
Net Gain/Loss Utility Property (Acct. 414)				\$ -
Net Gain/Loss Non-Utility Property (Acct. 422)				\$ 83,936
				(Total to Pg. F-13)
				\$ 83,936
				(Total to Pg. F-13)
Footnote(s)				

For the calendar year of January 1 - December 31, 2022



Company Name **Missouri-American Water Company**

**OTHER INCOME AND DEDUCTIONS (ACCOUNTS 417, 420, 421, 422, 423, 425, AND 426)**

Report details of items included in accounts showing the data for account separately hereunder:

Description (a)	Amount (b)
<u>Income from Non-Utility Operations (Acct. 417):</u>	
Total (Acct. 417)	\$ -
	(Total to Pg. F-39)
<u>Allowance for Funds Used During Construction (Acct.420):</u>	
Debt	\$ 1,780,182
Equity	\$ (3,893)
Total (Acct. 420)	\$ 1,776,288
	(Total to Pg. F-13)
<u>Miscellaneous Non-operating Income (Acct. 421):</u>	
Total (Acct. 421)	\$ -
	(Total to Pg. F-13)
<u>Gains (Losses) from Disposition of Property (Acct. 422):</u>	
Total (Acct. 422) (Note: This total should match Gains/Losses from Disposition of Property found on Pg. F-42)	\$ 83,936
<u>Miscellaneous Amortization (Acct. 425):</u>	
Amortize UPAA	\$ 323,943
Amortize Pref Stock Expense	
Total (Acct. 425)	\$ 323,943
	(Total to Pg. F-13)
<u>Miscellaneous Income Deduction (Acct. 426):</u>	
Lobbying Expenses	\$ 30,735
Political Contributions	\$ 1,675
Other	\$ 33,965
Total (Acct. 426)	\$ 66,374
	(Total to Pg. F-13)

**INTEREST CHARGES (ACCOUNTS 427, 430 AND 431)**

Class of Debt on Which Payable (a)	Interest	
	Rate (b)	Amount (c)
<u>Interest on Long-term Debt (Acct. 427)</u>		
Long Term Debt		\$ 2,251,417
Long Term Debt - Associated Co's		\$ 42,169,183
Early Debt Retirement Loss - Associated Co's		\$ 826,197
Total (Acct. 427)		\$ 45,246,798
		(Total to Pg. F-13)
<u>Interest on Debt to Assoc. Cos. (Acct. 430):</u>		
Total (Acct. 430)		\$ -
		(Total to Pg. F-13)
<u>Other Interest Expense (Acct. 431):</u>		
Interest on Short Term Borrowings		\$ (354,408)
Total (Acct. 431)		\$ (354,408)
		(Total to Pg. F-13)

Indicates formula cell.

Company Name **Missouri-American Water Company****DISTRIBUTION OF SALARIES AND WAGES**

Report below the distribution of total salaries and wages for the year. Amounts originally charged to clearing accounts should be segregated as to Utility Departments, Construction, Plant Removals and Other Accounts and shown in the appropriate lines and spaces provided for such amounts. In determining this segregation of salaries and wages originally charged to clearing accounts, a method of approximation giving substantially correct results may be used.

Classification (a)	Direct Payroll Distribution (b)	Allocation of Amounts Charged Clearing Accounts (c)	Total (d)
<u>Water</u>			
Operation	\$ 26,275,768		\$ 26,275,768
Maintenance	\$ 5,122,498		\$ 5,122,498
Total Water Operation and Maintenance	\$ 31,398,266	\$ -	\$ 31,398,266
<u>Sewer</u>			
Operation	\$ 1,598,660		\$ 1,598,660
Maintenance	\$ 112,168		\$ 112,168
Total Sewer Operation and Maintenance	\$ 1,710,828	\$ -	\$ 1,710,828
<u>Other Utility Department</u>			
Operation			
Maintenance			
Total Other Utility Department Operation and Maintenance	\$ -	\$ -	\$ -
Total of All Utility Departments Operation and Maintenance	\$ 33,109,093	\$ -	\$ 33,109,093
<u>Utility Plant</u>			
Construction (by Utility Department):			
Water Plant	\$ 15,022,874	\$ 11,204,734	\$ 26,227,608
Sewer Plant	\$ 119,299		\$ 119,299
Other Plant			
Total Construction	\$ 15,142,173	\$ 11,204,734	\$ 26,346,907
Plant Removal (by Utility Department):			
Water Plant	\$ 1,739,823		\$ 1,739,823
Sewer Plant	\$ 18,228		\$ 18,228
Other Plant			
Total Plant Removal	\$ 1,758,052	\$ -	\$ 1,758,052
Clearing Accounts:			
Water		\$ (11,204,734)	\$ (11,204,734)
Sewer			
Other			
Total Clearing Accounts	\$ -	\$ (11,204,734)	\$ (11,204,734)
Other Income and Deductions:			
Water			
Sewer			
Other			
Total Other Income and Deductions	\$ -	\$ -	\$ -
Total Utility Plant	\$ 16,900,224	\$ -	\$ 16,900,224
Total Salaries and Wages	\$ 50,009,317	\$ -	\$ 50,009,317

Indicates formula cell.



## **"S" SECTION**

**SEWER OPERATING REVENUES**

Particulars (a)	Acct. No. (b)	Current Year		Last Year		Increase (Decrease) (g)
		Average Number of Customers (c)	Amounts (d)	Average Number of Customers (e)	Amount (f)	
<u>Sewer Revenues</u>						
Flat Rate Revenues - General Customers:						
Residential Revenues	521.1	10,053	\$ 7,067,887	7,337	\$ 5,178,710	\$ 1,889,177
Commercial Revenues	521.2	12	\$ 32,210	187	\$ 9,383	\$ 22,827
Industrial Revenues	521.3					\$ -
Revenues from Public Authorities	521.4	-	\$ 1,282	4	\$ 251	\$ 1,032
Total Flat Rate Revenues - General Customers		10,065	\$ 7,101,380	7,527	\$ 5,188,344	\$ (1,913,035)
Measured Revenues - General Customers:						
Residential Revenues	522.1	8,407	\$ 5,182,619	499	\$ 4,281,730	\$ 900,889
Commercial Revenues	522.2	964	\$ 2,832,712	7,575	\$ 2,372,982	\$ 459,731
Industrial Revenues	522.3	1	\$ 44,863		\$ -	\$ 44,863
Revenues from Public Authorities	522.4	53	\$ 572,848	30	\$ 471,091	\$ 101,757
Total Measured Revenues - General Customers		9,425	\$ 8,633,042	8,104	\$ 7,125,802	\$ (1,507,240)
Other Sewer Revenues:						
Revenues from Public Authorities	523					\$ -
Revenues from Other Systems	524					\$ -
Interdepartmental Revenues	525					\$ -
Miscellaneous Sewer Revenues	526		\$ (598)		\$ (283)	\$ (315)
Total Other Sewer Revenues		-	\$ (598)	-	\$ (283)	\$ 315
<u>Other Operating Revenues</u>						
Sale of Sludge	531					\$ -
Customers' Forfeited Discounts	532					\$ -
Servicing of Customers' Laterals	533					\$ -
Rents from Sewer Property	534					\$ -
Interdepartmental Rents	535					\$ -
Miscellaneous Operating Revenues	536		\$ 97,712		\$ 67,918	\$ 29,794
Total Other Operating Revenues		-	\$ 97,712	-	\$ 67,918	\$ (29,794)
Total Operating Revenues		19,490	\$ 15,831,535	15,631	\$ 12,381,782	\$ (3,449,753)
			(Total to Pg. F-13)			

Indicates formula cell.

**SEWER OPERATION AND MAINTENANCE EXPENSES**

Particulars (a)	Account No. (b)	Current Year (c)	Last Year (d)	Increase (Decrease) (e)
<u>Collection Expenses</u>				
Operation:				
Collection Supervision and Engineering	700	\$ 14,861	\$ (13)	\$ 14,874
Collection Labor and Expenses	701	\$ 2,138	\$ 8,151	\$ (6,014)
Services to Customers	702	\$ 15,151	\$ 12,848	\$ 2,302
Flow Measuring Device Expense	703	\$ -	\$ -	\$ -
Miscellaneous Expenses	704	\$ -	\$ -	\$ -
Rents	705	\$ -	\$ -	\$ -
Total Operation - Collection Expense		\$ 32,150	\$ 20,987	\$ 11,163
Maintenance:				
Collection Maintenance Supervision and Engineering	710	\$ -	\$ -	\$ -
Maintenance of Collection Structures & Improvements	711	\$ -	\$ -	\$ -
Maintenance of Collection Sewers	712	\$ -	\$ -	\$ -
Maintenance of Services to Customers	713	\$ -	\$ -	\$ -
Maintenance of Flow Measuring Devices	714	\$ -	\$ -	\$ -
Maintenance of Flow Measuring Device Installations	715	\$ -	\$ -	\$ -
Maintenance of Other Collection Facilities	716	\$ 57,946	\$ 61,065	\$ (3,118)
Total Maintenance - Collection Expense		\$ 57,946	\$ 61,065	\$ (3,118)
Total Collection Expenses		\$ 90,096	\$ 82,052	\$ 8,044
<u>Pumping Expenses</u>				
Operation:				
Pumping Supervision and Engineering	720	\$ -	\$ -	\$ -
Fuel and Power Purchased for Pumping	721	\$ 2,670	\$ -	\$ 2,670
Pumping Labor and Expenses	722	\$ 6,379	\$ 4,464	\$ 1,916
Expenses Transferred	723	\$ 23,419	\$ 6,732	\$ 16,687
Miscellaneous Expenses	724	\$ 71	\$ 0	\$ 71
Rents	725	\$ -	\$ -	\$ -
Total Operation - Pumping Expense		\$ 32,540	\$ 11,196	\$ 21,344
Maintenance:				
Pumping Maintenance Supervision and Engineering	730	\$ -	\$ -	\$ -
Maintenance of Pumping Structures and Improvements	731	\$ -	\$ -	\$ -
Maintenance of Pumping Equipment	732	\$ 3,409	\$ 1,487	\$ 1,922
Total Maintenance - Pumping Expense		\$ 3,409	\$ 1,487	\$ 1,922
Total Pumping Expenses		\$ 35,949	\$ 12,682	\$ 23,266
<u>Treatment and Disposal (T&amp;D) Expenses</u>				
Operation:				
Treatment Supervision and Engineering	740	\$ -	\$ -	\$ -
Chemicals	741	\$ 70,066	\$ 46,724	\$ 23,341
Treatment Labor and Expenses	742	\$ 1,142,016	\$ 911,908	\$ 230,108
Fuel or Power for Sewage Treatment and Pumping	743	\$ 4,015,572	\$ 3,277,708	\$ 737,864
Miscellaneous Expenses	744	\$ 1,848	\$ 134	\$ 1,714
Rents	745	\$ 358	\$ 864	\$ (506)
Total Operation - Treatment & Disposal Expense		\$ 5,229,860	\$ 4,237,338	\$ 992,522
Maintenance:				
T&D Maintenance Supervision and Engineering	750	\$ 12,651	\$ 27,116	\$ (14,465)
Maintenance of T&D Structures and Improvements	751	\$ -	\$ -	\$ -
Maintenance of Treatment and Disposal	752	\$ 249,432	\$ 227,787	\$ 21,645
Maintenance of Other Treatment & Disposal Equipment	753	\$ -	\$ -	\$ -
Total Maintenance - Treatment & Disposal Expense		\$ 262,083	\$ 254,903	\$ 7,179
Total Treatment and Disposal Expenses		\$ 5,491,942	\$ 4,492,241	\$ 999,701
Subtotal - Sewer Operation Expenses		\$ 5,294,549	\$ 4,269,521	\$ 1,025,028
		(Total to Pg. S-3)	(Total to Pg. S-3)	(Total to Pg. S-3)
Subtotal - Sewer Maintenance Expenses		\$ 323,438	\$ 317,455	\$ 5,984
		(Total to Pg. S-3)	(Total to Pg. S-3)	(Total to Pg. S-3)

Indicates formula cell.

**SEWER OPERATION AND MAINTENANCE EXPENSES (Con't)**

Particulars (a)	Account No. (b)	Current Year (c)	Last Year (d)	Increase (Decrease) (e)
<u>Customer Accounts Expenses</u>				
Operation:				
Supervision	901	\$ -	\$ -	\$ -
Meter Reading Expenses & Flat Rate Inspections	902	\$ 840	\$ -	\$ 840
Customer Records and Collection Expenses	903	\$ 10,948	\$ 18,310	\$ (7,362)
Uncollectible Accounts	904	\$ -	\$ -	\$ -
Miscellaneous Customer Accounts Expenses	905	\$ 862	\$ 1,050	\$ (188)
Total Operation - Customer Accounts Expense		\$ 12,651	\$ 19,360	\$ (6,710)
<u>Customer Service Expenses</u>				
Operation:				
Customer Service and Information Expenses	907	\$ 172	\$ 92	\$ 80
Total Operation - Customer Service Expense		\$ 172	\$ 92	\$ 80
<u>Sales Promotion Expenses</u>				
Operation:				
Sales Promotion Expenses	910	\$ -	\$ -	\$ -
Revenues from Merchandising, Jobbing, & Contract Work	914	\$ -	\$ -	\$ -
Cost & Expenses of Merchandising, Jobbing & Contract Work	915	\$ -	\$ -	\$ -
Total Operation - Sales Promotion Expense		\$ -	\$ -	\$ -
<u>Administrative and General Expenses</u>				
Operation:				
Administration and General Salaries	920	\$ 426,043	\$ 469,423	\$ (43,380)
Office Supplies and Other Expenses	921	\$ 313,394	\$ 228,081	\$ 85,313
Administrative Expenses Transferred (Credit)	922	\$ -	\$ -	\$ -
Outside Services Employed	923	\$ 277,755	\$ 164,351	\$ 113,404
Property Insurance	924	\$ 28,581	\$ 34,470	\$ (5,889)
Injuries and Damages	925	\$ -	\$ -	\$ -
Employee Pensions and Benefits	926	\$ 618,559	\$ 611,699	\$ 6,860
Franchise Requirements	927	\$ -	\$ -	\$ -
Regulatory Commission Expenses	928	\$ -	\$ -	\$ -
Duplicated Charges (Credit)	929	\$ -	\$ -	\$ -
Institutional or Goodwill Advertising Expenses	930.1	\$ -	\$ -	\$ -
Miscellaneous General Expenses	930.2	\$ 287,225	\$ 303,540	\$ (16,315)
Research and Development Expenses	930.3	\$ -	\$ -	\$ -
Rents	931	\$ 67,952	\$ 61,762	\$ 6,191
Total Operation - Administrative and General Expense		\$ 2,019,510	\$ 1,873,326	\$ 146,183
Maintenance:				
Maintenance of General Plant	932	\$ 540	\$ -	\$ 540
Total Maintenance - Administrative and General Expense		\$ 540	\$ -	\$ 540
Total Administrative and General Expenses		\$ 2,020,049	\$ 1,873,326	\$ 146,723
Subtotal - Sewer Operation Expenses		\$ 2,032,332	\$ 1,892,778	\$ 139,554
Subtotal - Sewer Maintenance Expenses		\$ 540	\$ -	\$ 540
Subtotal - Sewer Operation Expenses (from Pg. S-2)		\$ 5,294,549	\$ 4,269,521	\$ 1,025,028
Subtotal - Sewer Operation Expenses (from above)		\$ 2,032,332	\$ 1,892,778	\$ 139,554
Total Sewer Operation Expenses		\$ 7,326,882	\$ 6,162,299	\$ (1,164,582)
		(Total to Pg. F-13)		
Subtotal - Sewer Maintenance Expenses (from Pg. S-2)		\$ 323,438	\$ 317,455	\$ 5,984
Subtotal - Sewer Maintenance Expenses (from above)		\$ 540	\$ -	\$ 540
Total Sewer Maintenance Expenses		\$ 323,978	\$ 317,455	\$ (6,523)
		(Total to Pg. F-13)		

Indicates link to another worksheet within workbook.

Indicates formula cell.

**DETAIL OF CERTAIN GENERAL EXPENSE ACCOUNTS**

Report data requested for accounts as indicated. Report total amount paid as well as amount applicable to sewer utility operation.

Description of Item (a)	Total Amount Paid (b)	Amount Applicable to Sewer Utility Ops (c)
<b>Acct. 923, Outside Services Employed</b> - State total cost, nature of service and name of each person who was paid for services includible in this amount, \$5,000 or more.	\$ 49,231,322	\$ 277,755
Total	<b>\$ 49,231,322</b>	<b>\$ 277,755</b> (Total to Pg. S-3)
<b>Acct. 924, Property Insurance</b> - List hereunder major classes of expenses and also state extent to which utility is self-insured against insurable risks to its property: Premiums for Insurance Dividends Received from Insurance Companies (Credit) Amounts Credited to Acct. 261, Property Insurance Reserve Other Expenses (list major classes):	\$ 6,488,508	\$ 28,581
Total	<b>\$ 6,488,508</b>	<b>\$ 28,581</b> (Total to Pg. S-3)
<b>Acct. 925, Injuries and Damages</b> - List hereunder major classes of expense, also state extent to which utility is self-insured against risks of injuries and damages to employees or others: Premiums for Insurance Dividends Received from Insurance Companies (Credit) Amounts Credited to Acct. 262, Injuries and Damages Reserves Expenses of Investigating and Adjusting Claims Cost of Safety and Accident-Prevention Activities Other Expenses (list major classes): Inventory Physical write-off Scrap Injuries & Damages	\$ (2,711,820) \$ 160,494	\$ - \$ -
Total	<b>\$ (2,551,325)</b>	<b>\$ -</b> (Total to Pg. S-3)
<b>Acct. 926, Employee Pensions and Benefits</b> - Report total amount for utility hereunder and show credit for amounts transferred to construction or other accounts, leaving the net balance in Acct. 926. Pension Accruals or Payments to Pension Funds Pension Payments under Unfunded Basis Employees' Benefits (i.e., life, health, accident and hospital insurance, etc.) Expense of Educational and Recreational Activities for Employees Other Expenses (list major items): 401k expenses Defined compensation and other welfare	\$ (7,671,983) \$ 7,396,400 \$ 933,740 \$ 1,048,317	\$ 123,481 \$ 376,679 \$ 48,127 \$ 70,272
Total	<b>\$ 1,706,474</b>	<b>\$ 618,559</b> (Total to Pg. S-3)
Total General Expenses	<b>\$ 54,874,979</b>	<b>\$ 924,895</b>

Indicates formula cell.



**DETAIL OF CERTAIN GENERAL EXPENSE ACCOUNTS (CON'T)**

**Acct. 928, Regulatory Commission Expense:**

1. Give the particulars called for below concerning all expenses incurred during the year in connection with formal cases before regulatory commissions, or other regulatory bodies, or cases in which such a body was a party.
2. Include in description of the case, the name of the regulatory body and case or docket number.
3. Include as expenses charged off during the year reported in Column (g) the amount of any deferred regulatory commission expenses amortized for the year.

Description of Case (a)	Expenses Incurred During Year			Transferred to Miscellaneous Deferred Debits (Acct. 186) (e)	Charged Off During Year	
	Assessed By Regulatory Commission (b)	Expenses of Utility (c)	Total (d)		Acct. No. (f)	Amount (g)
Total Regulatory Commission Expense (Acct. 928)	\$ -	\$ -	\$ - <small>(Total to Pg. S-3)</small>	\$ -		\$ -

Amortization of Deferred Regulatory Commission Expenses for previous year: \_\_\_\_\_

Total charged off during the year: \_\_\_\_\_

(a)	Total (b)
<b>Acct. 930.2, Miscellaneous General Expenses:</b>	
Industry Association Dues	
Other Experimental & General Research Expenses	
Expense of corporate organization & of servicing outstanding securities of utility	
National institutional advertising expenses	
Local institutional advertising expenses	
Directors' fees and expenses	
Other Expenses (list major items)	
Community Relations	\$ 285
Management and Admin Transportation	\$ 279,667
Misc. transactional costs	\$ 7,293
Total Miscellaneous General Expenses (Acct. 930.2)	\$ 287,225 <small>(Total to Pg. S-3)</small>
<b>Acct. 922, Administrative Expenses Transferred (Credit).</b> Please explain basis of computation of credit in space provided below.	
Total Administrative Expenses Transferred (Credit) (Acct. 922)	\$ - <small>(Total to Pg. S-3)</small>

Explanation

Indicates formula cell.

**SEWER UTILITY PLANT IN SERVICE**

Accounts (a)	Acct. No. (b)	Balance at Beginning of Year (c)	Additions During Year (d)	Retirements During Year (e)	Adjustments Increase (Decrease) (f)	Balance at End of Year (g)
<u>Intangible Plant</u>						
Organization	301	\$ 5,700	\$ 78,379	\$ -	\$ -	\$ 84,079
Franchises and Consents	302	\$ 5,562	\$ -	\$ -	\$ -	\$ 5,562
Miscellaneous Intangible Plant	303	\$ -	\$ -	\$ -	\$ -	\$ -
Total Intangible Plant		\$ 11,262	\$ 78,379	\$ -	\$ -	\$ 89,641
<u>Collection Plant</u>						
Land and Land Rights	350	\$ 117,550	\$ -	\$ -	\$ -	\$ 117,550
Structures and Improvements	351	\$ 3,813,297	\$ 1,192,655	\$ 4,046	\$ -	\$ 5,001,906
Collection Sewers	352	\$ 42,191,137	\$ 15,239,815	\$ 367,694	\$ -	\$ 57,063,257
Collection Sewers - Force	352.1	\$ 7,868,251	\$ 480,302	\$ 10,037	\$ -	\$ 8,338,516
Collection Sewers - Gravity	352.2	\$ -	\$ -	\$ -	\$ -	\$ -
Special Collecting Structures	352.3	\$ -	\$ -	\$ -	\$ -	\$ -
Services to Customers	353	\$ 2,967,241	\$ 496,593	\$ 51,934	\$ -	\$ 3,411,900
Flow Measuring Devices	354	\$ 517,923	\$ 62,629	\$ (1,813)	\$ -	\$ 582,365
Flow Measuring Installations	355	\$ -	\$ -	\$ -	\$ -	\$ -
Other Collection Plant Facilities	356	\$ 129,668	\$ 239,000	\$ -	\$ -	\$ 368,669
Total Collection Plant		\$ 57,605,067	\$ 17,710,993	\$ 431,898	\$ -	\$ 74,884,163
<u>Pumping Plant</u>						
Land and Land Rights	360	\$ 152,133	\$ 9,730	\$ -	\$ -	\$ 161,863
Structures and Improvements	361	\$ 2,384,594	\$ 2,264,636	\$ 16,856	\$ -	\$ 4,632,373
Receiving Wells	362	\$ 769,568	\$ -	\$ -	\$ -	\$ 769,568
Electric Pumping Equipment	363	\$ 4,851,317	\$ 1,133,997	\$ 88,536	\$ -	\$ 5,896,779
Diesel Pumping Equipment	364	\$ -	\$ -	\$ -	\$ -	\$ -
Other Pumping Equipment	365	\$ 1,564,570	\$ (4,143)	\$ 1,785	\$ -	\$ 1,558,643
Total Pumping Plant		\$ 9,722,182	\$ 3,404,220	\$ 107,177	\$ -	\$ 13,019,226
<u>Treatment and Disposal Plant</u>						
Land and Land Rights	370	\$ 419,837	\$ 433,209	\$ -	\$ -	\$ 853,046
Oxidation Lagoon Land and Land Rights	370.1	\$ -	\$ -	\$ -	\$ -	\$ -
Other Land and Land Rights	370.2	\$ -	\$ -	\$ -	\$ -	\$ -
Structures and Improvements	371	\$ 8,506,622	\$ 1,318,207	\$ 428,564	\$ -	\$ 9,396,265
Treatment and Disposal Equipment	372	\$ 16,916,262	\$ 1,452,421	\$ 293,648	\$ -	\$ 18,075,035
Plant Sewers	373	\$ 11,761,654	\$ 117,333	\$ 1	\$ -	\$ 11,878,986
Outfall Sewer Line	374	\$ 362,615	\$ 61,467	\$ -	\$ -	\$ 424,082
Other Treatment and Disposal Plant Equipment	375	\$ -	\$ -	\$ -	\$ -	\$ -
Total Treatment and Disposal Plant		\$ 37,966,989	\$ 3,382,637	\$ 722,213	\$ -	\$ 40,627,414
<u>General Plant</u>						
Land and Land Rights	389	\$ 401,620	\$ -	\$ -	\$ -	\$ 401,620
Structures and Improvements	390	\$ 1,444,721	\$ 207,960	\$ 16,091	\$ -	\$ 1,636,590
Office Furniture and Equipment	391	\$ 183,087	\$ 839	\$ 15,651	\$ -	\$ 168,274
Transportation Equipment	392	\$ 2,479,751	\$ 315,423	\$ 71,122	\$ -	\$ 2,724,052
Stores Equipment	393	\$ 25,405	\$ 5,573	\$ -	\$ -	\$ 30,978
Tools, Shop and Garage Equipment	394	\$ 460,642	\$ 97,435	\$ -	\$ -	\$ 558,077
Laboratory Equipment	395	\$ 141,324	\$ 20,793	\$ 24,507	\$ -	\$ 137,610
Power Operated Equipment	396	\$ 729,671	\$ 29,833	\$ 558,131	\$ -	\$ 201,373
Communication Equipment	397	\$ 645,273	\$ 247,958	\$ 31,103	\$ -	\$ 862,128
Other Tangible Property	399	\$ 215,595	\$ 31,969	\$ 8,527	\$ 20,686	\$ 259,723
Total General Plant		\$ 6,727,088	\$ 957,782	\$ 725,132	\$ 20,686	\$ 6,980,425
Total Sewer Utility Plant in Service		\$ 112,032,589	\$ 25,534,012	\$ 1,986,419	\$ 20,686	\$ 135,600,868
		(Total to Pg. F-16)				(Total to Pg. F-16)

NOTE: All entries should be supported by records that identify the property being added or retired, its location, and its original cost in as much detail as reasonably possible. Report in Column (f) entries reclassifying property from one account to another. Corrections of entries of the immediately preceding year should be recorded in Column (d) or Column (e) accordingly, as they are corrections of additions or retirements. Please explain any items in Columns (d), (e) and/or (f) in space provided below schedule. Use additional sheets if necessary.

Explanation

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Indicates formula cell.

**DEPRECIATION RESERVE (i.e., Accumulated Depreciation) - SEWER UTILITY PLAN**

Report below the information called for concerning the Depreciation Reserve of the reporting utility at end of the year and changes during the year and explain in the space provided below any important adjustments made during the year. Show separately interest credits under a sinking fund or similar method of depreciation reserve accounting.

1. **DO NOT** use composite rate when account rates have been prescribed by the Commission
2. Are rates shown in Column (c) below authorized by the Commission Yes  No
3. If the answer to Question No. 2 above is "yes", state whether the authorization was by Commission Order or letter  WR-2017-0285
4. State the date when authorized rates were made effective  5/28/2018
5. If subaccount rates are used, show computation below which was used to arrive at account rate shown in the table below:

Computation is as follows:

Description or Classification of Property (a)	Acct. No. (b)	Annual Depreciation Rate (c)	Balance at Beginning of Year (d)	Addition to Reserve		Retirement of Property				Other Changes (k)	Balance at End of Year (l)	(m)	Amount (n)
				Annual Depreciation Provision (e)	Other Credits (f)	Book Cost of Property (g)	Cost of Removal (h)	Salvage Credit (i)	Net Retirement (j)				
<b>Collection Plant</b>													
Structures and Improvements	351	2.03%	\$ 1,556,845	\$ 78,804		\$ 4,046	\$ 7,858	\$ -	\$ 11,904	\$ -	\$ 1,623,745	Total Depreciation Expense = Columns (e) and (f):	\$ 3,550,676
Collection Sewers	352	1.58%	\$ 13,981,753	\$ 754,072	\$ 328,346	\$ 367,694	\$ 260,181	\$ -	\$ 627,876	\$ 1,335,228	\$ 15,771,523		
Collection Sewers - Force	352.1	1.64%	\$ 2,561,808	\$ 133,177	\$ 16,525	\$ 10,037	\$ -	\$ -	\$ 10,037	\$ 112,563	\$ 2,814,035	LESS: Amounts Charged to Clearing Accounts:	
Collection Sewers - Gravity	352.2		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Special Collection Structures	352.3		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Services to Customers	353	2.87%	\$ 474,117	\$ 89,382	\$ 19,564	\$ 51,934	\$ 27,304	\$ -	\$ 79,238	\$ -	\$ 503,825	PLUS: Allocation of Department on Common Plant:	\$ (1,326,501)
Flow Measuring Devices	354	3.38%	\$ 354,678	\$ 18,773		\$ (1,813)	\$ -	\$ -	\$ (1,813)	\$ 13,230	\$ 388,494		
Flow Measuring Installations	355		\$ 0	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0		
Other Collection Plant Facilities	356	3.15%	\$ 5,960	\$ 4,085		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,045		
<b>Total Collection Plant</b>			<b>\$ 18,935,161</b>	<b>\$ 1,078,292</b>	<b>\$ 364,434</b>	<b>\$ 431,898</b>	<b>\$ 295,343</b>	<b>\$ -</b>	<b>\$ 727,241</b>	<b>\$ 1,461,021</b>	<b>\$ 21,111,668</b>	<b>Total Sewer Utility Depreciation Expense:</b>	<b>\$ 2,224,174</b>
													(Total to Pg. F-13)
<b>Pumping Plant</b>													
Structures and Improvements	361	2.03%	\$ 203,975	\$ 62,522		\$ 16,856	\$ 22,730	\$ -	\$ 39,586	\$ 270,634	\$ 497,544	Total Depreciation Reserve = Column (k):	\$ 37,269,526
Receiving Wells	362	2.87%	\$ 418,319	\$ 22,087		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 440,405		
Electric Pumping Equipment	363	5.17%	\$ 2,076,374	\$ 246,543	\$ 34,435	\$ 88,536	\$ 31,389	\$ -	\$ 119,925	\$ 159,118	\$ 2,396,545	PLUS: Allocation of Reserve on Common Plant:	
Diesel Pumping Equipment	364		\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Other Pumping Equipment	365	4.31%	\$ 1,294,384	\$ 67,325		\$ 1,785	\$ 6	\$ -	\$ 1,791	\$ -	\$ 1,359,918		
<b>Total Pumping Plant</b>			<b>\$ 3,993,052</b>	<b>\$ 398,475</b>	<b>\$ 34,435</b>	<b>\$ 107,177</b>	<b>\$ 54,125</b>	<b>\$ -</b>	<b>\$ 161,302</b>	<b>\$ 429,752</b>	<b>\$ 4,694,412</b>	<b>Total Depreciation Reserve Sewer Utility:</b>	<b>\$ 37,269,526</b>
													(Total to Pg. F-16)
<b>Treatment and Disposal Plant</b>													
Structures and Improvements	371	2.37%	\$ 1,193,883	\$ 156,601	\$ 351,747	\$ 428,564	\$ 162,158	\$ -	\$ 590,722	\$ 529,122	\$ 1,640,632	Explanation of Items in Column (k):	
Treatment and Disposal Equipment	372	3.97%	\$ 5,595,596	\$ 687,841	\$ 25,409	\$ 293,648	\$ 194,258	\$ -	\$ 487,906	\$ 18,077	\$ 5,839,017		
Plant Sewers	373	1.60%	\$ 1,989,850	\$ 189,333		\$ 1	\$ 267	\$ -	\$ 268	\$ -	\$ 2,178,916		
Outfall Sewer Lines	374	3.04%	\$ 31,700	\$ 11,696		\$ -	\$ 4,568	\$ -	\$ 4,568	\$ -	\$ 38,828		
Other Treatment and Disposal Plant Equipment	375		\$ (0)	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ (0)		
<b>Total Treatment and Disposal Plant</b>			<b>\$ 8,811,028</b>	<b>\$ 1,045,471</b>	<b>\$ 377,157</b>	<b>\$ 722,213</b>	<b>\$ 361,250</b>	<b>\$ -</b>	<b>\$ 1,083,463</b>	<b>\$ 547,199</b>	<b>\$ 9,697,392</b>		
													(Total to Pg. F-16)
<b>General Plant</b>													
Structures and Improvements	390	3.35%	\$ 193,625	\$ 49,460		\$ 16,091	\$ 25,994	\$ -	\$ 42,084	\$ -	\$ 201,000		
Office Furniture and Equipment	391	11.29%	\$ 140,058	\$ 10,115		\$ 15,651	\$ -	\$ -	\$ 15,651	\$ -	\$ 134,522		
Transportation Equipment	392	4.53%	\$ 724,032	\$ 89,897		\$ 71,122	\$ -	\$ 16,900	\$ 54,222	\$ -	\$ 759,707		
Stores Equipment	393	4.00%	\$ 27,745	\$ 254		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,999		
Tools, Shop and Garage Equipment	394	5.00%	\$ 103,394	\$ 23,884		\$ -	\$ 1,856	\$ -	\$ 1,856	\$ -	\$ 125,422		
Laboratory Equipment	395	6.67%	\$ 55,968	\$ 9,684		\$ 24,507	\$ -	\$ -	\$ 24,507	\$ -	\$ 41,145		
Power Operated Equipment	396	7.71%	\$ 834,635	\$ 20,081		\$ 558,131	\$ 1,435	\$ -	\$ 559,566	\$ -	\$ 295,150		
Communication Equipment	397	6.67%	\$ 68,306	\$ 42,788		\$ 31,103	\$ 16,001	\$ -	\$ 47,104	\$ 56	\$ 64,047		
Other Tangible Property	399	6.43%	\$ 122,484	\$ 6,249		\$ 8,527	\$ 3,144	\$ -	\$ 11,671	\$ -	\$ 117,062		
<b>Total General Plant</b>			<b>\$ 2,270,248</b>	<b>\$ 252,411</b>	<b>\$ -</b>	<b>\$ 725,132</b>	<b>\$ 48,429</b>	<b>\$ 16,900</b>	<b>\$ 756,662</b>	<b>\$ 56</b>	<b>\$ 1,766,054</b>		
<b>Total Sewer Utility Plan</b>			<b>\$ 34,009,488</b>	<b>\$ 2,774,650</b>	<b>\$ 776,026</b>	<b>\$ 1,986,419</b>	<b>\$ 759,148</b>	<b>\$ 16,900</b>	<b>\$ 2,728,668</b>	<b>\$ 2,438,030</b>	<b>\$ 37,269,526</b>		
													(Total to Pg. F-16)

Indicates formula cell.

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

**Brief general description of sewage treatment:**

Influent lift station, Flow equalization, Extended Aeration, Clarification, Calcium hypochlorite tablet disinfection, De-chlorination, and Solids holding and concentrating.

**Method of treatment:**

Extended aeration activated sludge treatment (Masterson and Associates sewage treatment plant)

**Brief general description of disposal system:**

Waste water solids are stored and concentrated in two holding cells of the treatment system. Once solids are concentrated it will be pumped out of the treatment plant by a pumper truck and then taken to the City of Wentzville's waste water treatment plant for ultimate solids disposal.

**Method of disposal:**

The City of Wentzville has solids handling facilities that further treat solids and they manage final disposal.

**Area served by sewage system:**

Anna Meadows subdivision in Moscow Mills, MO.

Date of construction of original plant:

12/18/2006

Population for which plant designed:

663

Plant capacity in gallons per day:

62,500

Average daily discharge of sewage during the year (measured in gallons):

16,991

Maximum daily discharge of sewage during the year (measured in gallons):

43,200

**Other important changes, including new plant and equipment built or installed:**

Is effluent disinfected?                      Yes                       No                       Seasonal

Agent used (i.e., liquid or tablet chlorine, uv, etc.): Tablet Chlorine

How frequently is an effluent analysis reported to a government entity(s)? Monthly

Were any reporting periods missed?                      Yes                       No

How many times did effluent exceed limits? 0

**Please explain:**

**What is efficiency of sewer plant?**

Efficiency: BOD removal = 96%, TSS removal = 98%

**GENERAL INFORMATION**  
**SEWER PLANT**  
(Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Not a processing area no sewer plant

Method of treatment:

Not a processing area no sewer plant

Brief general description of disposal system:

Not a processing area no sewer plant

Method of disposal:

Not a processing area no sewer plant

Area served by sewage system:

Not a processing area no sewer plant

Date of construction of original plant:

N/A

Population for which plant designed:

N/A

Plant capacity in gallons per day:

N/A

Average daily discharge of sewage during the year (measured in gallons):

N/A

Maximum daily discharge of sewage during the year (measured in gallons):

N/A

Important extensions of system, giving location, new territory covered and dates of beginning operation:

Not a processing area no sewer plant

Other important changes, including new plant and equipment built or installed:

N/A

Is effluent disinfected?

Yes  No  Seasonal

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

N/A

How frequently is an effluent analysis reported to a government entity(s)?

N/A

Were any reporting periods missed?

Yes  No

How many times did effluent exceed limits?

N/A

Please explain:

NA

What is efficiency of sewer plant?

N/A

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

8 homes on gravity to small aeration plant with sludge holding cell . Chlorine and dechlor ,discharges to tributary to Sand Creek.

Method of treatment:

Aeration plant with a chlorine contact chamber and dechlor.

Brief general description of disposal system:

Sludge to be held in holding cell to be hauled off.

Method of disposal:

To be hauled off by ABR Hauling to St. Louis Disposal Solutions.

Area served by sewage system:

Legal Description NE 1/4 , NW1/4, Sec. 19, T42N, R04E, Jefferson County x- 708481, Y-4248315

Date of construction of original plant:

Population for which plant designed:

Plant capacity in gallons per day:

Average daily discharge of sewage during the year (measured in gallons):

Maximum daily discharge of sewage during the year (measured in gallons):

Important extensions of system, giving location, new territory covered and dates of beginning operation:

N/A

Other important changes, including new plant and equipment built or installed:

Two new electric motors and blowers.

Is effluent disinfected?

Yes  No  Seasonal

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

How frequently is an effluent analysis reported to a government entity(s)?

Were any reporting periods missed?

Yes  No

How many times did effluent exceed limits?

Please explain:

N/A

What is efficiency of sewer plant?

BOD 87% , TSS 98%

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Recirculating sand filter system

Method of treatment:

Recirculating sand filter system

Brief general description of disposal system:

Sludge is retained in septic tanks at headworks to plant.

Method of disposal:

sludge hauled off by A&A Septic to a lagoon

Area served by sewage system:

White Branch and Blue Branch subdivisions in Warsaw

Date of construction of original plant:

1997

Population for which plant designed:

1,192

Plant capacity in gallons per day:

110,000

Average daily discharge of sewage during the year (measured in gallons):

36,997

Maximum daily discharge of sewage during the year (measured in gallons):

85,400

Important extensions of system, giving location, new territory covered and dates of beginning operation:

Other important changes, including new plant and equipment built or installed:

Is effluent disinfected?

Yes

No

Seasonal

April 1st thru Oct 31st

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

UV

How frequently is an effluent analysis reported to a government entity(s)?

Monthly

Were any reporting periods missed?

Yes

No

How many times did effluent exceed limits?

0

Please explain:

What is efficiency of sewer plant?

Greater than 90%

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Three cell lagoon with nitrox

Method of treatment:

Primary aeration cell, 2nd settling cell, Nitrox, 3rd polishing cell, UV disinfection

Brief general description of disposal system:

NONE

Method of disposal:

NONE

Area served by sewage system:

All of old town Cedar Hill, two mobile home parks, all of the west side of Highway 30

Date of construction of original plant:

1972

Population for which plant designed:

2,076

Plant capacity in gallons per day:

207,600

Average daily discharge of sewage during the year (measured in gallons):

80,802

Maximum daily discharge of sewage during the year (measured in gallons):

267,484

Important extensions of system, giving location, new territory covered and dates of beginning operation:

310

Other important changes, including new plant and equipment built or installed:

3 New larger pumps were installed at the lagoon lift station. We added the flow from El Chapparel Lagoon. 3 new pumps were added at Cedar Springs lift station that flows to the lagoon lift station.

Is effluent disinfected?

Yes \_\_\_\_\_ No \_\_\_\_\_ Seasonal X

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

UV

How frequently is an effluent analysis reported to a government entity(s)?

monthly

Were any reporting periods missed?

Yes \_\_\_\_\_ No X

How many times did effluent exceed limits?

14

Please explain:

Heavy rain

What is efficiency of sewer plant?

BOD 90% , TSS 87%



**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

**Brief general description of sewage treatment:**

Primary processing with muffin monster and auger continuing to lift station to circular aeration clarifier, sludge digester and sludge holding. Discharge to UV to Sand Creek.

**Method of treatment:**

1st cell - aeration cell with two 25 H.P. blowers, 2nd cell - clarifier, 3rd cell - digester and sludge holding

**Brief general description of disposal system:**

Sludge from sludge holding hauled St. Louis Disposal Solutions in St. Louis, MO.

**Method of disposal:**

Hauling by tank truck - ABR Hauling, 5825 Pete O'Brien Rd

**Area served by sewage system:**

East of Hwy 30 north of Local Hillsboro Rd. to Clover Lake subdivision

Date of construction of original plant:

1987

Population for which plant designed:

1,500

Plant capacity in gallons per day:

150,000

Average daily discharge of sewage during the year (measured in gallons):

63,931

Maximum daily discharge of sewage during the year (measured in gallons):

301,344

**Important extensions of system, giving location, new territory covered and dates of beginning operation:**

66 New homes connected.

**Other important changes, including new plant and equipment built or installed:**

Installed new air lines and manifold for the plant. Replaced 3 new pumps in the Sand Creek lift station.

Is effluent disinfected?                      Yes \_\_\_\_\_      No \_\_\_\_\_      Seasonal   X  

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

UV

How frequently is an effluent analysis reported to a government entity(s)?

Monthly

Were any reporting periods missed?                      Yes \_\_\_\_\_      No   X  

How many times did effluent exceed limits?

1

**Please explain:**

heavy rain fall

**What is efficiency of sewer plant?**

BOD 97% , TSS 96%

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Extended aeration/sludge removal by hauling

Method of treatment:

Extended aeration

Brief general description of disposal system:

sludge hauled by outside contractor to an AW treatment facility

Method of disposal:

hauled to AW treatment facility

Area served by sewage system:

small subdivision (SW Alpha Ridge rd.) Trimble Mo.

Date of construction of original plant:

N/A

Population for which plant designed:

96

Plant capacity in gallons per day:

9,620

Average daily discharge of sewage during the year (measured in gallons):

2258 g/d

Maximum daily discharge of sewage during the year (measured in gallons):

2258 g/d

Important extensions of system, giving location, new territory covered and dates of beginning operation:

Other important changes, including new plant and equipment built or installed:

2 New air pumps and motors, new control panel, SCADA

Is effluent disinfected?

Yes \_\_\_\_\_ No  Seasonal \_\_\_\_\_

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

N/A

How frequently is an effluent analysis reported to a government entity(s)?

Quarterly

Were any reporting periods missed?

Yes \_\_\_\_\_ No

How many times did effluent exceed limits? New system to MOAW

0

Please explain:

What is efficiency of sewer plant?

85%

Acquired in 2020

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Sand filter system, 3 underground tank system with filters, 8 pumps, control panel, and SCADA

Method of treatment:

Septic tanks with pumps, valves and filter beds

Brief general description of disposal system:

Have not had to haul yet, septic tank sludge will be hauled to disposal site that could be local lagoon system

Method of disposal:

Will be hauled by contractor

Area served by sewage system:

Subdivision near Trimble Mo.

Date of construction of original plant:

1990's

Population for which plant designed:

740

Plant capacity in gallons per day:

74,000

Average daily discharge of sewage during the year (measured in gallons):

15,300

Maximum daily discharge of sewage during the year (measured in gallons):

37,440

Important extensions of system, giving location, new territory covered and dates of beginning operation:

Other important changes, including new plant and equipment built or installed:

Is effluent disinfected? Yes \_\_\_\_\_ No \_\_\_\_\_ Seasonal  \_\_\_\_\_

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

tablet chlorine

How frequently is an effluent analysis reported to a government entity(s)? Quarterly

quarterly

Were any reporting periods missed? Yes \_\_\_\_\_ No  \_\_\_\_\_

How many times did effluent exceed limits? New system to MOAW

none

Please explain:

What is efficiency of sewer plant?

85%

Acquired in 2020

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Gravity to a two cell lagoon, no aeration, chlorine contact chamber , dechloro, discharged to tributary to Sand Creek.

Method of treatment:

Two cell anaerobic lagoon, with chlorine contact chamber and dechlorination

Brief general description of disposal system:

Sludge is retained in wastewater treatment lagoon.

Method of disposal:

N/A

Area served by sewage system:

Legal Description Sec 24, T42N, R3E, Jefferson County X - 706813 Y - 4248664

Date of construction of original plant:

1/1/1970

Population for which plant designed:

170

Plant capacity in gallons per day:

17,000

Average daily discharge of sewage during the year (measured in gallons):

9,829

Maximum daily discharge of sewage during the year (measured in gallons):

28,800

N/A

Other important changes, including new plant and equipment built or installed:

Lagoon closed on 12/29/22, installed new lift station and is pumped to Cedar Hill lagoon.

Is effluent disinfected?

Yes \_\_\_\_\_ No \_\_\_\_\_ Seasonal  x

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

chlorine

How frequently is an effluent analysis reported to a government entity(s)?

Quarterly

Were any reporting periods missed?

Yes \_\_\_\_\_ No  x

How many times did effluent exceed limits?

11

Please explain:

Rain

What is efficiency of sewer plant?

BOD 75% , TSS 39%

**GENERAL INFORMATION**  
**SEWER PLANT**  
(Please complete one page per each sewer plant)

Brief general description of sewage treatment:

We collect and send to Hollister

Method of treatment:

We do not treat - send to Hollister

Brief general description of disposal system:

Method of disposal:

Area served by sewage system:

Date of construction of original plant:

N/A

Population for which plant designed:

N/A

Plant capacity in gallons per day:

N/A

Average daily discharge of sewage during the year (measured in gallons):

N/A

Maximum daily discharge of sewage during the year (measured in gallons):

N/A

Important extensions of system, giving location, new territory covered and dates of beginning operation:

Other important changes, including new plant and equipment built or installed:

Is effluent disinfected?

Yes \_\_\_\_\_ No \_\_\_\_\_ Seasonal \_\_\_\_\_

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

How frequently is an effluent analysis reported to a government entity(s)?

Were any reporting periods missed?

Yes \_\_\_\_\_ No \_\_\_\_\_

How many times did effluent exceed limits?

Please explain:

What is efficiency of sewer plant?

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

**Brief general description of sewage treatment:**

Influent lift station, automated bar screen, three cell lagoon, with UV disinfection.

**Method of treatment:**

Primary aeration cell, second cell settling, third cell aeration and UV disinfection.

**Brief general description of disposal system:**

Sludge held in lagoon and removed as needed (Every 10 - 20 years). Last lagoon sludge removal late 2022.

**Method of disposal:**

Sludge still on site for dewatering and will be disposed of through permitted land application once dewatered and permits are in place.

**Area served by sewage system:**

City of Eureka MO located in St. Louis County

Date of construction of original plant: Unknown

2004

Population for which plant designed: 600-700 customers

27,500

Plant capacity in gallons per day:

2.8 MGD

Average daily discharge of sewage during the year (measured in gallons):

1.6 MGD

Maximum daily discharge of sewage during the year (measured in gallons):

2.09 MGD

**Important extensions of system, giving location, new territory covered and dates of beginning operation:**

N/A

**Other important changes, including new plant and equipment built or installed:**

N/A

Is effluent disinfected? Yes  No  Seasonal

Agent used (i.e., liquid or tablet chlorine, uv, etc.): Chlorine

UV

How frequently is an effluent analysis reported to a government entity(s)?

Monthly

Were any reporting periods missed? Yes  No

How many times did effluent exceed limits?

1

**Please explain:**

TSS removal efficiency exceedance in August of 2022. WWTP was still operating under the City of Eureka's permit in August 2022, and Missouri American Water assumed operations August 4th, 2022. However, once the transfer of ownership went thru and we were issued our own permit by DNR the removal efficiency requirement was removed from the permit.

**What is efficiency of sewer plant?**

Removal % BOD: 85% & Removal % TSS: 91%

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

**Brief general description of sewage treatment:**

3 Cell facultative lagoon treatment that discharge into the Panther Creek. Permitted design flow is 144,000 gallons per day with an equivalent population of 1,925. Actual flow is reported in the permit as 160,000 gallons per day. Design Sludge production is estimated at 16.3 dry tons/year. In 1962. The collection system includes: Two large lift stations and One small lift station

**Method of treatment:**

3 Cell Facultative Lagoon A three-cell lagoon treatment facility including land and property

**Brief general description of disposal system:**

1964 Built Oxidation Basin (Presently Cell 2); 1989 built Cell 1 & 3; Design Flow is 144,000 GPD

**Method of disposal:**

Storage in Lagoon & Land Application

**Area served by sewage system:**

Approximately 14 miles of sewer mains, including laterals and infrastructure to serve 685 customers.

Date of construction of original plant: Oxidation Basin 1964 (Present Cell 2)

Cell 2 1964/Cell 1 & 3 1989

Population for which plant designed: 600-700 customers

Plant capacity in gallons per day:

144,000

Average daily discharge of sewage during the year (measured in gallons):

111,875

Maximum daily discharge of sewage during the year (measured in gallons):

390,000

**Important extensions of system, giving location, new territory covered and dates of beginning operation:**

**Other important changes, including new plant and equipment built or installed:**

Is effluent disinfected? Yes \_\_\_\_\_ No  Seasonal \_\_\_\_\_

Agent used (i.e., liquid or tablet chlorine, uv, etc.): Chlorine

NA

How frequently is an effluent analysis reported to a government entity(s)?

Quarterly

Were any reporting periods missed? Yes \_\_\_\_\_ No

How many times did effluent exceed limits?

14

**Please explain:**

2022 - Second Quarter - Monthly Avg: BOD5 50 Limit 45; Ammonia 2.62 Limit 1.8; ph 9.42 Limit 9.0 Lowing First Cell to repair upper gate valve (Broke Open) & Algae 2022 - Third Quarter (No Discharge) BOD5 - 100 Limit 45; TSS 102 Limit 70; Ammonia 35.1 Limit 1.3; pH 9.5 Limit 9.0;

**What is efficiency of sewer plant?**

BOD Removal 91%; TSS Removal 87%

**GENERAL INFORMATION  
SEWER PLANT**  
(Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Bar screen, single cell aerated lagoon followed by two storage basins. Wastewater is irrigated to the surface, while sludge is retained in the lagoons.

Method of treatment:

Lagoon followed by surface irrigation.

Brief general description of disposal system:

Waste water is surface irrigated after settlement, while solids are retained in lagoons.

Method of disposal:

As previously noted water is surface irrigated. Solids would be removed thru future dredging.

Area served by sewage system:

City limits of Hallsville, MO

Date of construction of original plant:

mid 1980's

Population for which plant designed:

2,085

Plant capacity in gallons per day:

212,622

Average daily discharge of sewage during the year (measured in gallons):

149,568 estimate

Maximum daily discharge of sewage during the year (measured in gallons):

149,568 estimate

Important extensions of system, giving location, new territory covered and dates of beginning operation:

None in 2022.

Other important changes, including new plant and equipment built or installed:

None in 2022.

Is effluent disinfected? Yes \_\_\_\_\_ No X Seasonal \_\_\_\_\_

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

How frequently is an effluent analysis reported to a government entity(s)?

Monthly

Were any reporting periods missed? Yes \_\_\_\_\_ No X

How many times did effluent exceed limits?

Please explain:

N/A

What is efficiency of sewer plant?

N/A



**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Single Cell facultative lagoon/nitrox system

Method of treatment:

lagoon/nitrox

Brief general description of disposal system:

Sludge Retained in Lagoon

Method of disposal:

Land Application

Area served by sewage system:

Hickory Hills

Date of construction of original plant: Unknown

Unknown

Population for which plant designed:

164

Plant capacity in gallons per day:

16,400

Average daily discharge of sewage during the year (measured in gallons):

15,493

Maximum daily discharge of sewage during the year (measured in gallons):

489,419

Important extensions of system, giving location, new territory covered and dates of beginning operation:

None

Other important changes, including new plant and equipment built or installed:

Weg motor and MD blower

Is effluent disinfected?                      Yes \_\_\_\_\_      No \_\_\_\_\_      Seasonal   X  

Agent used (i.e., liquid or tablet chlorine, uv, etc.): Chlorine

Calcium hypochloride

How frequently is an effluent analysis reported to a government entity(s)?

monthly

Were any reporting periods missed?                      Yes \_\_\_\_\_      No   X  

How many times did effluent exceed limits?

0

Please explain:

What is efficiency of sewer plant?

92% BOD      TSS 99%

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

4 cell lagoon

Method of treatment:

3 cell facultative lagoon with a 4th cell for blending effluent water

Brief general description of disposal system:

sludge is retained in lagoon

Method of disposal:

stored in lagoon

Area served by sewage system:

Hillers Creek

Date of construction of original plant:

Population for which plant designed:

Plant capacity in gallons per day:

Average daily discharge of sewage during the year (measured in gallons):

Maximum daily discharge of sewage during the year (measured in gallons):

Important extensions of system, giving location, new territory covered and dates of beginning operation:

NONE

Other important changes, including new plant and equipment built or installed:

N/A

Is effluent disinfected?

Yes  No  Seasonal

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

How frequently is an effluent analysis reported to a government entity(s)?

Were any reporting periods missed?

Yes  No

How many times did effluent exceed limits?

Please explain:

N/A

What is efficiency of sewer plant?

BOD 88% TSS 67%

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Septic tank/recirculating sand filter/sludge disposal by ABR Hauling

Method of treatment:

Septic tank, Recirculating Sand Filter, Sludge disposal by contract hauler.

Brief general description of disposal system:

Sludge to be hauled to St. Louis Disposal Solutions in St Louis MO.

Method of disposal:

Hauling by tank truck - ABR Hauling

Area served by sewage system:

Homestead Estates WWTF, 18029 Homestead Manor Dr. Wildwood, MO. 63005

Date of construction of original plant:

Population for which plant designed:

Plant capacity in gallons per day:

Average daily discharge of sewage during the year (measured in gallons):

Maximum daily discharge of sewage during the year (measured in gallons):

Important extensions of system, giving location, new territory covered and dates of beginning operation:

Other important changes, including new plant and equipment built or installed:

Rebuilt media beds and added aeration in media beds.

Is effluent disinfected?

Yes  No  Seasonal

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

How frequently is an effluent analysis reported to a government entity(s)?

Were any reporting periods missed?

Yes  No

How many times did effluent exceed limits?

Please explain:

Ammonia Limits Exceeded

What is efficiency of sewer plant?

BOD 90% TSS 91%

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

influent lift station, flow equalization basin, rotating drum screen, extended aeration, membrane filtration, sludge holding

Method of treatment:

Seimens Membrane Bioreactor System: raw wastewater is screened before it enters the extended aeration tank; activated sludge biologically removes pollutants, and membrane filters clarify and disinfect

Brief general description of disposal system:

Activated sludge is at a high concentration when sent to the sludge holding basin. Solids will be pumped out of the treatment plant by a pumper truck and then taken to the City of Wentzville's waste water treatment plant for ultimate solids disposal.

Method of disposal:

The City of Wentzville has solids handling facilities that further treat solids and they manage final disposal.

Area served by sewage system:

Jaxson Estates subdivision in Moscow Mills, MO.

Date of construction of original plant:

Population for which plant designed:

Plant capacity in gallons per day:

Average daily discharge of sewage during the year (measured in gallons):

Maximum daily discharge of sewage during the year (measured in gallons):

Important extensions of system, giving location, new territory covered and dates of beginning operation:

On 12/15/16 the plant was made operational for first time since being built.

Other important changes, including new plant and equipment built or installed:

Is effluent disinfected?

Yes  Y No  Seasonal

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

How frequently is an effluent analysis reported to a government entity(s)?

Were any reporting periods missed?

Yes  No  X

How many times did effluent exceed limits?

Please explain:

What is efficiency of sewer plant?

BOD 99% TSS 99%

**GENERAL INFORMATION**  
**SEWER PLANT**  
(Please complete one page per each sewer plant)

Brief general description of sewage treatment:

See Attached

Method of treatment:

See Attached

Brief general description of disposal system:

See Attached

Method of disposal:

See Attached

Area served by sewage system:

See Attached

Date of construction of original plant:

Population for which plant designed:

Plant capacity in gallons per day:

Average daily discharge of sewage during the year (measured in gallons):

Maximum daily discharge of sewage during the year (measured in gallons):

Important extensions of system, giving location, new territory covered and dates of beginning operation:

See attached for all information requested on this page.

Other important changes, including new plant and equipment built or installed:

See attached

Is effluent disinfected?                      Yes \_\_\_\_\_      No \_\_\_\_\_      Seasonal \_\_\_\_\_

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

How frequently is an effluent analysis reported to a government entity(s)?

Were any reporting periods missed?                      Yes \_\_\_\_\_      No \_\_\_\_\_

How many times did effluent exceed limits?

Please explain:

What is efficiency of sewer plant?

FACILITY	Brief Description of sewage treatment	Method of treatment	Area Served by sewage treatment	Receiving Stream	Date of Construction	Design Population	Plant Capacity GPD	Average Discharge for Year	Max. daily Discharge for Year	Extensions of system giving location, territory, dates of ops.
Autumn Woods Estates	Recirculating Sand Filter	Biological filtration process	Autumn Woods Estates Subdivision	Un-named tributary to North Moreau Creek	2005	33	3,300	202	3,364	None
Autumn Woods Lane	Recirculating Sand Filter	Biological filtration process	Autumn Woods Lane Subdivision	Un-named tributary to North Moreau Creek	2007	30	2,960	88	2,004	None
Big Sky Plant	Extended Aeration	Activated Sludge	Big Sky Subdivision	Un-named Tributary Rivaux Creek	1998	166	12,488	1,374	9,123	None
Briar Village Plant	Extended Aeration	Activated Sludge	Briar Village Subdivision	Un-named Tributary Gray's Creek	2012	104	10,500	813	9,863	None
Brownwood Oaks Plant	Recirculating Sand Filter	Biological filtration process	4 plex apartment building	Un-named Tributary Moreau River	unknown	16	1,600	0	0	None
Calley Trail Sand Filter	Recirculating Sand Filter	Biological filtration process	Calley Trail Subdivision	Tributary of Cason Branch	2000	41	3,053	1,550	4,240	None
Cedar Hills Sand Filter	Recirculating Sand Filter	Biological filtration process	Cedar Hill Subdivision	Un-named Tributary to Cason Branch	1997	75	5,625	1,863	11,105	None
Cedar Valley Lagoon	Three Cell Lagoon 1st cell aerated	Aerated lagoon process	Cedar Valley Subdivision/Rock Ridge Es	Un-named Tributary to Wears Creek	unknown	185	15,762	7,160	14,071	None
Coyote Ridge Sand Filter	Recirculating Sand Filter	Biological filtration process	Coyote Ridge Subdivision	Un-named Tributary to Coon Creek	2008	37	3,000	32	1,030	None
Dallmeyer(Moreau Park)	Extended Aeration	Activated Sludge	Dallmeyer Subdivision/Michael Road	Moreau River	unknown	263	20,000	5,756	11,404	None
Dogwood Forest	Extended Aeration	Activated Sludge	Dogwood Forest Subdivision	Tributary to Neighorn Branch	2000	85	8,510	1,262	9,912	None
Dogwood Lake	Extended Aeration	Activated Sludge	The back nine condos	Un-named Tributary to Niemans Creek	2006	149	14,870	845	4,554	None
Evergreen Lagoon	Extended Aeration	Activated Sludge Process	Blue Bird Acres, EG condo	Un-named Tributary to Rivaux Creek	2012	173.8	9,430	1,539	10,511	None
Golden Ponds Lagoon	Three Cell Lagoon	Facultative lagoon process	Golden Ponds Subdivision/Old Barn Rd.	Tributary to Skunk Creek	1996	170	12,466	3,605	11,404	None
Grande Highlands	Extended Aeration	Activated Sludge	Grande Highlands Estates and some ho	Un-named Tributary to Moreau River	1998	274	27,380	4,587	25,741	None
Grothoff Plant	Extended Aeration	Activated Sludge	Apartments and single family homes on	Un-named Tributary to Honey Creek	unknown	117	11,700	360	1,904	None
Halifax Plant	Extended Aeration	Activated Sludge	Halifax and Rabbit Run Subdivision	Un-named Tributary to MO River	1995	148	11,000	2,832	15,206	None
Hidden Valley	Recirculating Sand Filter	Biological filtration process	Hidden Valley Subdivision	Un-named Tributary Rivaux Creek	1996	104	10,400	1,913	11,851	None
Hunter's Creek	Extended Aeration	Activated Sludge	Hunter's Creek Subdivision	Tributary to Skunk Creek	2004	200	15,984	3,733	15,206	None
Hills at Wilbers Farm	Extended Aeration	Activated Sludge	Wilbers Farm Sub	Tributary to Moreau River	2022	140	16,000	115	1,185	None
Kleffner Ridge	Extended Aeration	Activated Sludge	Kleffner Ridge Subdivision	Un-named Tributary to Coon Creek	2004	178	17,760	5,278	16,272	Yes
Lake Carmel Lagoon	Three Cell Lagoon	Facultative lagoon process	Lake Carmel Subdivision	Un-named Tributary to Clark Fork	unknown	126	12,600	9,362	47,734	None
Lakewood Plant	Extended Aeration	Activated Sludge	Lakewood Subdivision	Tributary to Neighorn Branch	unknown	547	46,520	10,928	31,418	None
Lee Street Lagoon	Two Cell Lagoon 1st cell aerated	Aerated lagoon process	Summit View/Lee Street Subdivisions	Tributary to Turkey Creek	unknown	120	12,000	683	4,571	None

FACILITY	Brief Description of sewage treatment	Method of treatment	Area Served by sewage treatment	Receiving Stream	Date of Construction	Design Population	Plant Capacity GPD	Average Discharge for Year	Max. daily Discharge for Year	Extensions of system giving location, territory, dates of ops.
Lehman Acres Lagoon	One Cell Lagoon	Facultative lagoon process	Lehman Acres Subdivision	Un-named Tributary to Moreau River	unknown	63	6,300	2,284	7,920	None
Maple Leaf Lagoon	Three Cell Lagoon	Facultative lagoon process	Maple Leaf Subdivision	Un-named Tributary to Cason Branch	unknown	66.6	6,660	1,723	7,603	None
Markway Meadows	Extended Aeration	Activated Sludge	Mehmert Place Subdivision	Tributary to Moreau River	2000	192.4	14,430	1,521	10,511	None
Monticello Lagoon	Three Cell Lagoon 1st cell aerated	Aerated lagoon process	Monticello Subdivision/Oakridge Rd.	Tributary to Moreau River	unknown	260	26,000	11,112	26,522	None
Quail Valley Plant	Extended Aeration	Activated Sludge	Quail Valley Subdivision	Un-named Tributary to Moreau River	unknown	220	22,000	4,540	22,857	Yes
Rackers Plant	Extended Aeration	Activated Sludge	Apartment Building	Tributary to Moreau River	unknown	47	3,000	151	5,173	None
Redfield WWTF	Extended Aeration	Activated Sludge	Redfield Subdivision	Un-named Tributary to Clark Fork	2001	447	28,160	3,133	11,675	None
Rustic Oaks Plant	Extended Aeration	Activated Sludge	Rustic Oaks Subdivision	Tributary to Neighorn Branch	unknown	389	38,900	5,156	19,330	None
Ryan's Lake Sand Filter	Re-circulating Sand Filter	Biological filtration process	Ryan's Lake Subdivision	Un-named Tributary to Clifton Creek	2002	370	24,850	6,028	16,649	None
Shagbark Plant	Extended Aeration	Activated Sludge	Shagbark Subdivision	Tributary to Moreau River	Unknown	130	13,000	2,102	7,940	None
Shamrock North Lagoon	Two Cell Lagoon	Facultative lagoon process	Shamrock	Tributary to Rising Creek	Unknown	59	5,900	1,468	7,646	None
Sleepy Hollow Plant	Extended Aeration	Activated Sludge	Sleepy Hollow Subdivision	Un-named Tributary to Moreau River	1989	255	18,000	4,250	10,810	None
Southwind Meadows	Extended Aeration	Activated Sludge	Southwind Meadows Subdivision	Tributary to Rivaux Creek	2006	259	22,015	2,649	11,428	None
Southwood Hills Plant	Extended Aeration	Activated Sludge	Southwood Hills Subdivision	Un-named Tributary to Moreau River	unknown	300	23,000	4,839	11,234	None
Sterling Ridge	Extended Aeration	Activated Sludge	Sterling Ridge Subdivision	Un-named Tributary to Missouri River	2004	192.4	15,392	468	4,511	None
Stiefferman Sand Filter	Re-circulating Sand Filter	Biological filtration process	Stiefferman Subdivision	Un-named Tributary to Moreau River	1993	74	7,400	2,483	10,936	None
Stoney Creek Sand Filter	Re-circulating Sand Filter	Biological filtration process	Stoney Creek Subdivision	Tributary of Clifton Creek - loosing	2001	119	8,880	4,088	8,223	None
Summit View Plant	Extended Aeration	Activated Sludge	Summit View Subdivision	Tributary to Turkey Creek	unknown	140	11,200	1,434	18,771	None
Sunny Brook Plant	Extended Aeration	Activated Sludge	Sunny Brook Subdivision	Tributary to Moreau River	unknown	80	8,000	1,740	5,802	None
The Highlands	Two Cell Lagoon	Facultative lagoon process	The Highlands	Tributary to Turkey Creek	unknown	190	14,000	5,975	22,677	None
Van Loo Sand Filter	Recirculating Sand Filter	Biological filtration process	Van Loo Subdivision	Coon Creek	1995	333	33,300	9,609	16,748	None
Taos Plant	Oxidation Ditch	Mechanical Aeration	Taos	Sanford Creek	2013	950	150,000	36,098	70,000	None
Willabrand Acres	Extended Aeration	Activated Sludge	Lost Valley Subdivision	Tributary to Rising Creek	unknown	185	18,000	181	3,330	None

FACILITY	Important changes new plant and equipment built or installed	Date Operation Began	Is Effluent Disinfected	Agent used for Disinfection	What is Efficiency of Sewage Plant	Method of Sludge disposal	Testing frequency	Were any periods missed	How many exceedances	Explain why they exceeded
Autumn Woods Estates	Control panel /New UV Bulbs	2005	Yes	UV	93%	Septic Tanks	Quarterly	No	1	NH3
Autumn Woods Lane	None	2007	Yes	CL2 Tablets	94%	Septic Tanks	Monthly	No	None	N/A
Big Sky Plant	None	unknown	Yes	CL2 Tablets	80%	Hauled	Quarterly	No	None	N/A
Briar Village Plant	None	2011	Yes	CL2 Tablets	96%	Hauled	Quarterly	No	None	N/A
Brownwood Oaks Plant	None	unknown	Yes	CL2 Tablets	NA	Hauled	Quarterly	No	None	N/A
Calley Trail Sand Filter	None	2000	yes	CL2 Tablets	90%	Hauled	Quarterly	No	6	NH3
Cedar Hills Sand Filter	None	1998	yes	CL2 Tablets	97%	Hauled	Quarterly	No	None	N/A
Cedar Valley Lagoon	None	unknown	none	CL2 Tablets	93%	Retained	Quarterly	No	None	N/A
Coyote Ridge Sand Filter	None	2008	YES	CL2 Tablets	96%	Septic Tanks	Monthly	Yes	1	NH3
Dallmeyer(Moreau Park)	None	unknown	YES	CL2 Tablets	82%	Hauled	Quarterly	No	1	BOD
Dogwood Forest	None	2000	YES	CL2 Tablets	98%	Hauled	Quarterly	No	None	N/A
Dogwood Lake	None	2006	yes	CL2 Tablets	94%	Hauled	Quarterly	No	None	N/A
Evergreen Lagoon	None	2011	Yes	CL2 Tablets	83%	Hauled	Monthly	No	None	N/A
Golden Ponds Lagoon	None	1997	yes	CL2 Tablets	98%	Retained	Quarterly	No	2	NH3
Grande Highlands	None	2011	YES	CL2 Tablets	92%	Hauled	Quarterly	No	None	N/A
Grothoff Plant	None	unknown	yes	CL2 Tablets	92%	Hauled	Quarterly	No	None	N/A
Halifax Plant	None	1995	Yes	CL2 tablets	95%	Hauled	Quarterly	No	0	N/A
Hidden Valley	None	1997	yes	CL2 Tablets	99%	Hauled	Monthly	No	None	N/A
Hunter's Creek	None	2004	yes	CL2 Tablets	98%	Hauled	Quarterly	No	0	N/A
Hills at Wilbers Farm	New Plant	2022	yes	CL2 Tablets	82%	Hauled	Quarterly	no	6	BOD,TSS,NH3
Kleffner Ridge	None	2004	yes	CL2 Tablets	96%	Hauled	Quarterly	No	0	N.A
Lake Carmel Lagoon	None	unknown	yes	CL2 Tablet	94%	Retained	Monthly	No	1	BOB
Lakewood Plant	None	unknown	yes	CL2 Tablet	96%	Hauled	Monthly	No	None	N/A
Lee Street Lagoon	New blower	unknown	yes	CL2 Tablet	93%	Retained	Monthly	No	2	NH3



FACILITY	Important changes new plant and equipment built or installed	Date Operation Began	Is Effluent Disinfected	Agent used for Disinfection	What is Efficiency of Sewage Plant	Method of Sludge disposal	Testing frequency	Were any periods missed	How many exceedances	Explain why they exceeded
Lehman Acres Lagoon	None	unknown	yes	Tablet Cl2	98%	Retained	Monthly	No	None	N/A
Maple Leaf Lagoon	None	1998	none	none	74%	Retained	Quarterly	No	None	N/A
Markway Meadows	None	2014	YES	CL2 Tablets	96%	Hauled	Quarterly	No	0	N/A
Monticello Lagoon	new blower	unknown	YES	CL2 Tablets	96%	Retained	Quarterly	No	None	N/A
Quail Valley Plant	None	unknown	YES	CL2 Tablets	76%	Hauled	Monthly	No	None	N/A
Rackers Plant	new blower building	unknown	YES	CL2 Tablets	85%	Hauled	Quarterly	No	None	N/A
Redfield WWTF	None	unknown	YES	CL2 Tablets	96%	Hauled	Quarterly	No	None	N/A
Rustic Oaks Plant	None	unknown	YES	CL2 Tablets	95%	Hauled	Quarterly	No	None	N/A
Ryan's Lake Sand Filter	Cl2 Chamber, Parshall flume and flow meter.	2002	YES	CL2 Tablets	96%	Hauled	Monthly	No	0	N/A
Shagbark Plant	None	unknown	YES	CL2 Tablets	98%	Hauled	Quarterly	No	None	N/A
Shamrock North Lagoon	None	unknown	yes	Cl2 Tablets	74%	Retained	Quarterly	No	None	N/A
Sleepy Hollow Plant	None	1989	YES	CL2 Tablets	90%	Hauled	Quarterly	No	None	N/A
Southwind Meadows	breaker box	2006	YES	CL2 Tablets	97%	Hauled	Monthly	No	None	N/A
Southwood Hills Plant	None	unknown	YES	CL2 Tablets	92%	Hauled	Monthly	No	None	N/A
Sterling Ridge	None	2004	Yes	Cl2 Tablets	93%	Hauled	Quarterly	No	None	N/A
Stiefferman Sand Filter	None	1993	YES	CL2 Tablets	97%	Hauled	Quarterly	No	0	N/A
Stoney Creek Sand Filter	replace fence	2002	YES	CL2 Tablets	94%	Hauled	Quarterly	No	5	NH3
Summit View Plant	None	unknown	Yes	CL2 Tablets	93%	Hauled	Monthly	No	None	N/A
Sunny Brook Plant	None	unknown	YES	CL2 Tablets	97%	Hauled	Quarterly	No	None	N/A
The Highlands	None	unknown	Yes	CL2 Tablets	69%	Hauled	Quarterly	No	None	N/A
Van Loo Sand Filter	None	1996	none	none	98%	Hauled	Monthly	No	3	NH3
Taos Plant	sludge pump volute, scum pit pumps control panel.	2021	Yes	UV	97%	Hauled	Monthly	No	None	N/A
Willabrand Acres	None	unknown	Yes	CL2 Tablets	98%	Hauled	Quarterly	No	None	N/A

**GENERAL INFORMATION**  
**SEWER PLANT**  
(Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Lagoon - 3 cell system with two finishing cell total of 4 cells

Method of treatment:

Lagoon

Brief general description of disposal system:

contractor hauled some sludge in 2021

Method of disposal:

contractor land applied removed sludge in 2021

Area served by sewage system:

City limits of Lawson

Date of construction of original plant:

1970's

Population for which plant designed:

3,625

Plant capacity in gallons per day:

300,000

Average daily discharge of sewage during the year (measured in gallons):

195,000

Maximum daily discharge of sewage during the year (measured in gallons):

300,000

Important extensions of system, giving location, new territory covered and dates of beginning operation:

Other important changes, including new plant and equipment built or installed:

UV disinfection and filtration

Is effluent disinfected?

Yes x No \_\_\_\_\_ Seasonal x

Agent used (ie., liquid or tablet chlorine, uv, etc.):

UV

How frequently is an effluent analysis reported to a government entity(s)?

once/quarter

Were any reporting periods missed?

Yes \_\_\_\_\_ No X

How many times did effluent exceed limits?

none

Please explain:

What is efficiency of sewer plant?

65%

**GENERAL INFORMATION  
SEWER PLANT**

(Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Three cell aerated lagoon with MBBR reactor

Method of treatment:

Aerated Lagoon with MBBR reactor

Brief general description of disposal system:

Sludge is retained in lagoon.

Method of disposal:

Sludge was removed from all three cells and land applied Fall 2018

Area served by sewage system:

Maplewood Sub Division Pettis Co.

Date of construction of original plant:

1970's

Population for which plant designed:

1,500

Plant capacity in gallons per day:

132,000

Average daily discharge of sewage during the year (measured in gallons):

99,273

Maximum daily discharge of sewage during the year (measured in gallons):

507,000

Important extensions of system, giving location, new territory covered and dates of beginning operation:

NA

Other important changes, including new plant and equipment built or installed:

This treatment facility was upgraded in 2020 to include the following items: New influent screen, Replaced lagoon aeration equipment, Moving-bed biofilm reactor, Standby emergency power generator, Fencing and other site improvements

Is effluent disinfected: Yes  No  Seasonal  April 1st thru Oct 31st

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

UV

How frequently is an effluent analysis reported to a government entity(s)?

Monthly

Were any reporting periods missed? Yes  No

How many times did effluent exceed limits?

14

Please explain:

We experienced multiple exceedances related to algae treatment at the facility.

What is efficiency of sewer plant?

84.00%

**GENERAL INFORMATION**  
**SEWER PLANT**  
(Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Activated Aeration

Method of treatment:

Extended Aeration with Muffin Monster to Primary circular clarifier and secondary circular clarifier

Brief general description of disposal system:

Sludge Hauling by contractor ABR Septic Services

Method of disposal:

Sludge Hauled to St. Louis Disposal Solution

Area served by sewage system:

Fenton

Date of construction of original plant:

1979

Population for which plant designed:

2,450

Plant capacity in gallons per day:

209,000

Average daily discharge of sewage during the year (measured in gallons):

86,309

Maximum daily discharge of sewage during the year (measured in gallons):

726,455

Important extensions of system, giving location, new territory covered and dates of beginning operation:

No main extensions in 2020

Other important changes, including new plant and equipment built or installed:

None

Is effluent disinfected?

Yes \_\_\_\_\_

No \_\_\_\_\_

Seasonal   x  

Agent used (ie., liquid or tablet chlorine, uv, etc.):

UV Light

How frequently is an effluent analysis reported to a government entity(s)?

Were any reporting periods missed?

Yes \_\_\_\_\_

No   x  

How many times did effluent exceed limits?

  8  

Please explain:

Early in the year 2022 the Meramec plant started undergoing some major repairs and upgrades. During this time each aeration cell was taken out of service. They were drained, cleaned out, repaired or improved. The same procedure was done to each clarifier. Only one section of the plant could be taken out of service at a time making each time a long process. This activity can disturb the plant biological activity and cause exceedances to occur. Once all the work is done the plant will operate more consistently, efficiently and safely.

What is efficiency of sewer plant?

BOD 95% , TSS 98%

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Two Cell Lagoon

Method of treatment:

Lagoon

Brief general description of disposal system:

Sludge Retained in Lagoon

Method of disposal:

Sludge Retained in Lagoon

Area served by sewage system:

Monsees Lake Subdivision

Date of construction of original plant: 1970s

Population for which plant designed: 283

Plant capacity in gallons per day: 28,300

Average daily discharge of sewage during the year (measured in gallons): N/A

Maximum daily discharge of sewage during the year (measured in gallons): N/A

Important extensions of system, giving location, new territory covered and dates of beginning operation:

N/A

Other important changes, including new plant and equipment built or installed:

Is effluent disinfected? Yes \_\_\_\_\_ No X Seasonal \_\_\_\_\_

Agent used (i.e., liquid or tablet chlorine, uv, etc.): N/A

How frequently is an effluent analysis reported to a government entity(s)? Quarterly

Were any reporting periods missed? Yes \_\_\_\_\_ No X

How many times did effluent exceed limits? 4

Please explain:

This facility is a new acquisition for MAW. We are evaluating the lagoon to determine if we need to make facility upgrades.

What is efficiency of sewer plant?

67%

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Lagoon system 3 cell treatment, first cell is aerated

Method of treatment:

lagoon

Brief general description of disposal system:

retain in lagoon

Method of disposal:

contract dredge and land apply or haul

Area served by sewage system:

City of Orrick

Date of construction of original plant:

Population for which plant designed:

Plant capacity in gallons per day:

Average daily discharge of sewage during the year (measured in gallons):

Maximum daily discharge of sewage during the year (measured in gallons):

Important extensions of system, giving location, new territory covered and dates of beginning operation:

N/A

Other important changes, including new plant and equipment built or installed:

Is effluent disinfected? Yes \_\_\_\_\_ No  Seasonal \_\_\_\_\_

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

How frequently is an effluent analysis reported to a government entity(s)?

Were any reporting periods missed? Yes \_\_\_\_\_ No

How many times did effluent exceed limits?

Please explain:

What is efficiency of sewer plant?

**GENERAL INFORMATION  
SEWER PLANT**

(Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Extended aeration/sock filter clarifier/UV disinfection

Method of treatment:

Extended aeration

Brief general description of disposal system:

Sludge is stored in a sludge holding basin that is attached to the plant.

Method of disposal:

Sludge is removed by owner

Area served by sewage system:

Ozark Meadows II sub division

Date of construction of original plant:

2000

Population for which plant designed:

140

Plant capacity in gallons per day:

10,500

Average daily discharge of sewage during the year (measured in gallons):

1,399

Maximum daily discharge of sewage during the year (measured in gallons):

17,211

Important extensions of system, giving location, new territory covered and dates of beginning operation:

NA

Other important changes, including new plant and equipment built or installed:

NA

Is effluent disinfected? Yes  No  Seasonal

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

UV

How frequently is an effluent analysis reported to a government entity(s)?

quarterly

Were any reporting periods missed? Yes  No

How many times did effluent exceed limits?

0

Please explain:

What is efficiency of sewer plant?

97% BOD & TSS

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

The Parkville sewer system is connected to Kansas City sewer system. All treatment is done there.

Method of treatment:

N/A

Brief general description of disposal system:

N/A

Method of disposal:

N/A

Area served by sewage system:

Platte County Area (Ridgewood subdivision)

Date of construction of original plant:

N/A

Population for which plant designed:

N/A

Plant capacity in gallons per day:

N/A

Average daily discharge of sewage during the year (measured in gallons):

N/A

Maximum daily discharge of sewage during the year (measured in gallons):

N/A

Important extensions of system, giving location, new territory covered and dates of beginning operation:

None

Other important changes, including new plant and equipment built or installed:

None

Is effluent disinfected?

Yes \_\_\_\_\_ No \_\_\_\_\_ Seasonal \_\_\_\_\_

Agent used (ie., liquid or tablet chlorine, uv, etc.):

\_\_\_\_\_

How frequently is an effluent analysis reported to a government entity(s)?

\_\_\_\_\_

Were any reporting periods missed?

Yes \_\_\_\_\_ No \_\_\_\_\_

How many times did effluent exceed limits?

\_\_\_\_\_

Please explain:

Analysis is not required because discharge is into an existing sewer system

What is efficiency of sewer plant?

\_\_\_\_\_



**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

**Brief general description of sewage treatment:**

Primary processing with a bar screen, gravity feed to circular aeration clarifier, sludge digester, Discharge UV to Meramec river.

**Method of treatment:**

1st cell - aeration with two blowers, 2nd cell clarifier, 3rd cell digester sludge holding tank.

**Brief general description of disposal system:**

Sludge from sludge holding hauled St. Louis Disposal Solutions in St. Louis, MO.

**Method of disposal:**

Hauling by tank truck - ABR Hauling, 368 Stonewall Dr.

**Area served by sewage system:**

Pevely Farm estates, Eureka Mo.

Date of construction of original plant:

unknown

Population for which plant designed:

1,000

Plant capacity in gallons per day:

100,000

Average daily discharge of sewage during the year (measured in gallons):

30,051

Maximum daily discharge of sewage during the year (measured in gallons):

261,870

Important extensions of system, giving location, new territory covered and dates of beginning operation:

N/A

Other important changes, including new plant and equipment built or installed:

Is effluent disinfected?

Yes  No  Seasonal

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

UV

How frequently is an effluent analysis reported to a government entity(s)?

Were any reporting periods missed?

Yes  No

How many times did effluent exceed limits?

0

Please explain:

N/A

What is efficiency of sewer plant?

BOD 90%, TSS 94%

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

**Brief general description of sewage treatment:**

The treatment facility is a recirculating sand filter with ultra-violet disinfection and effluent flow measurement. Raw wastewater is pumped to a septic tank where initial BOD and TSS removal occurs. From the septic tank, wastewater flows to a dosing chamber which contains eight dosing pumps where it is pumped to the sand filters. The wastewater enters the sand filters through a series of orifices, percolates through the sand/gravel media where it is collected to the underdrain system and flows to the recirculation structure. The recirculation structure consists of two fixed weirs which are arranged in such a manner that 80% of the flow will be returned to the dosing tank and 20% will be discharged. Discharged flow is disinfected with UV light, measured and discharged to Spring River.

**Method of treatment:**

Septic, filter media, UV disinfection.

**Brief general description of disposal system:**

Sludge generated in the septic process is disposed of by hauler.

**Method of disposal:**

Contracted private hauler.

**Area served by sewage system:**

Area served generally lies within the corporate boundaries of the City of Purcell. One additional customer has been added that lies outside the corporate limits of the City.

Date of construction of original plant:

unknown

Population for which plant designed:

435

Plant capacity in gallons per day:

43,500

Average daily discharge of sewage during the year (measured in gallons):

Maximum daily discharge of sewage during the year (measured in gallons):

Important extensions of system, giving location, new territory covered and dates of beginning operation:

N/A

Other important changes, including new plant and equipment built or installed:

Is effluent disinfected?

Yes \_\_\_\_\_ No \_\_\_\_\_ Seasonal  X

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

UV

How frequently is an effluent analysis reported to a government entity(s)?

Were any reporting periods missed?

Yes \_\_\_\_\_ No  X

How many times did effluent exceed limits?

Please explain:

What is efficiency of sewer plant?

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Influent Grit Chamber/Extended Aeration/Two(2)Clarifiers/Aerated Sludge Holding Tank

Method of treatment:

Influent Grit Chamber/Extended Aeration/Two(2)Clarifiers/Aerated Sludge Holding Tank

Brief general description of disposal system:

Sludge from sludge holding hauled St. Louis Disposal Solutions in St. Louis, MO.

Method of disposal:

Hauling by tank truck - ABR Hauling, 368 Stonewall Dr.

Area served by sewage system:

Radcliffe Estates, Eureka Mo.

Date of construction of original plant: unknown

Population for which plant designed: 700

Plant capacity in gallons per day: 58,200

Average daily discharge of sewage during the year (measured in gallons): 22,134

Maximum daily discharge of sewage during the year (measured in gallons): 64,367

Important extensions of system, giving location, new territory covered and dates of beginning operation:

Other important changes, including new plant and equipment built or installed:

Is effluent disinfected?      Yes       No       Seasonal

Agent used (i.e., liquid or tablet chlorine, uv, etc.): UV

How frequently is an effluent analysis reported to a government entity(s)?

Were any reporting periods mis      Yes       No

How many times did effluent exceed limits? 3

Please explain:

N/A

What is efficiency of sewer plant?

BOD 96%  
TSS 67%

**GENERAL INFORMATION**  
**SEWER PLANT**  
(Please complete one page per each sewer plant)

**Brief general description of sewage treatment:**

Influent lift station, flow equalization, extended Aeration, clarification, calcium hypochlorite tablet disinfection, de-chlorination, and solids holding and concentrating

**Method of treatment:**

extended aeration activated sludge treatment

**Brief general description of disposal system:**

waste water solids are stored and concentrated in a holding cell of treatment system. Once solids are concentrated it will be pumped out of the treatment plant by a pumper truck and hauled off.

**Method of disposal:**

ABR Septic hauls solids

**Area served by sewage system:**

Rogue Creek Subdivision in Potosi, MO

Date of construction of original plant:

1972

Population for which plant designed:

300

Plant capacity in gallons per day:

32,000

Average daily discharge of sewage during the year (measured in gallons):

13,129

Maximum daily discharge of sewage during the year (measured in gallons):

36,000

**Important extensions of system, giving location, new territory covered and dates of beginning operation:**

**Other important changes, including new plant and equipment built or installed:**

New blowers for plant

Is effluent disinfected?

Yes

No

Seasonal

Agent used (ie., liquid or tablet chlorine, uv, etc.):

tablet chlorine

How frequently is an effluent analysis reported to a government entity(s)?

monthly

Were any reporting periods missed?

Yes

No

How many times did effluent exceed limits?

N/A

**Please explain:**

**What is efficiency of sewer plant?**

Efficiency: BOD removal = 91% TSS removal = 91%

**GENERAL INFORMATION**  
**SEWER PLANT**  
(Please complete one page per each sewer plant)

Brief general description of sewage treatment:

A gray water collection system that filters solids through a recirculation settling tank then distributes to a drip irrigation field.

Method of treatment:

No treatment; distributed to a drip irrigation field.

Brief general description of disposal system:

Drip irrigation of filtered gray water only.

Method of disposal:

Drip irrigation of gray water sludge is hauled off to Hollister Treatment Plant.

Area served by sewage system:

Saddlebrooke Village

Date of construction of original plant:

N/A

Population for which plant designed:

N/A

Plant capacity in gallons per day:

N/A

Average daily discharge of sewage during the year (measured in gallons):

N/A

Maximum daily discharge of sewage during the year (measured in gallons):

N/A

Important extensions of system, giving location, new territory covered and dates of beginning operation:

Other important changes, including new plant and equipment built or installed:

Installed 24 new media filter lids

Is effluent disinfected?

Yes \_\_\_\_\_ No X Seasonal \_\_\_\_\_

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

How frequently is an effluent analysis reported to a government entity(s)?

Monthly

Were any reporting periods missed?

Yes \_\_\_\_\_ No x

How many times did effluent exceed limits?

None

Please explain:

What is efficiency of sewer plant?

**GENERAL INFORMATION**  
**SEWER PLANT**  
(Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Interceptor sewer line that extends from Stonebridge/Roark to City of Branson wastewater collection system. It is approximately 22,500' long, 24" in diameter.

Method of treatment:

NA

Brief general description of disposal system:

NA

Method of disposal:

NA

Area served by sewage system:

See certificated area map

Date of construction of original plant:

NA

Population for which plant designed:

NA

Plant capacity in gallons per day:

NA

Average daily discharge of sewage during the year (measured in gallons):

N/A

Maximum daily discharge of sewage during the year (measured in gallons):

N/A

Important extensions of system, giving location, new territory covered and dates of beginning operation:

Other important changes, including new plant and equipment built or installed:

Replaced pump and added slide rails at Silver Oak lift station

Is effluent disinfected?

Yes \_\_\_\_\_ No N/A Seasonal \_\_\_\_\_

Agent used (i.e., liquid or tablet chlorine, uv, etc.):

NA

How frequently is an effluent analysis reported to a government entity(s)?

NA

Were any reporting periods missed?

Yes \_\_\_\_\_ No \_\_\_\_\_

How many times did effluent exceed limits?

NA

Please explain:

The City of Branson treats the sewer.

What is efficiency of sewer plant?

NA

**GENERAL INFORMATION**  
**SEWER PLANT**  
(Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Method of treatment:

Brief general description of disposal system:

Method of disposal:

Area served by sewage system:

Date of construction of original plant:

N/A

Population for which plant designed:

N/A

Plant capacity in gallons per day:

N/A

Average daily discharge of sewage during the year (measured in gallons):

N/A

Maximum daily discharge of sewage during the year (measured in gallons):

N/A

Important extensions of system, giving location, new territory covered and dates of beginning operation:

Other important changes, including new plant and equipment built or installed:

Is effluent disinfected?                      Yes \_\_\_\_\_      No \_\_\_\_\_      Seasonal \_\_\_\_\_

Agent used (ie., liquid or tablet chlorine, uv, etc.):

How frequently is an effluent analysis reported to a government entity(s)?

Were any reporting periods missed?                      Yes \_\_\_\_\_      No \_\_\_\_\_

How many times did effluent exceed limits?

Please explain:

Analysis is not required because discharge is into an existing sewer system

What is efficiency of sewer plant?

FACILITY	Brief Description of sewage treatment	Method of treatment	Area Served by sewage treatment	Receiving Stream	Date of Construction	Design Population	Plant Capacity GPD	Average Discharge for Year	Max. daily Discharge for Year	Extensions of system giving location, territory, dates of ops.
Churchview WWTF	Extended Aeration	Activated sludge	Churchview Heights	Tributary to Moreau River	unknown	329	30,000	3,718	16,583	None
Deer Haven WWTF	Extended Aeration	Activated Sludge	Deer Haven	Tributary to Rock Creek	unknown	285	21,368	2,458	12,200	None
Northwest WWTF	Lagoon	Aerated Lagoon	Wardsville north west	Herbrandt Branch	Unknown	1510	151,000	63,247	298,604	None



FACILITY	Important changes new plant and equipment built or installed	Date Operation Began	Is Effluent Disinfected	Agent used for Disinfection	What is Efficiency of Sewage Plant	Method of Sludge disposal	Reporting frequency of effluent analysis to government entity(s)	Were any periods missed	How many exceedances	Explain why they exceeded
Churchview WWTF	new control panel	unknown	Yes	CL2 Tablets	92%	Hauled	monthly	No	0	N/A
Deer Haven	new control panel	Unknown	Yes	Cl2 Tablets	93%	Hauled	monthly	No	1	NH3
Wardsville northwest	new control panel	unknown	Yes	UV	90%	retained in lagoon	Monthly	No	10	nh3

**GENERAL INFORMATION**  
**SEWER PLANT**  
(Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Pretreatment grinding and manual screen, Flow equalization, Extended Aeration, Clarification, UV disinfection, and Solids Holding & Concentration.

Method of treatment:

Extended aeration activated sludge treatment

Brief general description of disposal system:

Waste water solids are stored and concentrated in two holding cells of the treatment system. Once solids are concentrated they are pumped out of the treatment plant by a pumper truck and then taken to the City of Wentzville's waste water treatment plant for ultimate solids disposal.

Method of disposal:

The City of Wentzville has solids handling facilities that further treat solids and they manage final disposal.

Area served by sewage system:

Incline Village and surrounding parts of St. Charles, Lincoln & Warren Counties

Date of construction of original plant:

1981

Population for which plant designed:

800

Plant capacity in gallons per day:

80,000

Average daily discharge of sewage during the year (measured in gallons):

55,018

Maximum daily discharge of sewage during the year (measured in gallons):

195,601

Important extensions of system, giving location, new territory covered and dates of beginning operation:

N/A

Other important changes, including new plant and equipment built or installed:

N/A

Is effluent disinfected?

Yes  No  Seasonal

Agent used (ie., liquid or tablet chlorine, uv, etc.):

UV light

How frequently is an effluent analysis reported to a government entity(s)?

Monthly

Were any reporting periods missed?

Yes  No

How many times did effluent exceed limits?

0

Please explain:

What is efficiency of sewer plant?

BOD removal = 96% TSS removal = 99%

**GENERAL INFORMATION**  
**SEWER PLANT**  
 (Please complete one page per each sewer plant)

Brief general description of sewage treatment:

Influent lift station, Pretreatment grinding and manual screen, Flow equalization, Extended Aeration, Clarification, UV disinfection, and Solids Holding & Concentration.

Method of treatment:

Extended aeration activated sludge treatment

Brief general description of disposal system:

Waste water solids are stored and concentrated in two holding cells of the treatment system. Once solids are concentrated they are pumped out of the treatment plant by a pumper truck and then taken to the City of Wentzville's waste water treatment plant for ultimate solids disposal.

Method of disposal:

The City of Wentzville has solids handling facilities that further treat solids and they manage final disposal.

Area served by sewage system:

Incline Village and surrounding parts of St. Charles, Lincoln & Warren Counties

Date of construction of original plant:

1981

Population for which plant designed:

800

Plant capacity in gallons per day:

80,000

Average daily discharge of sewage during the year (measured in gallons):

85,415

Maximum daily discharge of sewage during the year (measured in gallons):

200,240

Important extensions of system, giving location, new territory covered and dates of beginning operation:

N/A

Other important changes, including new plant and equipment built or installed:

N/A

Is effluent disinfected?

Yes  No

Seasonal

Agent used (ie., liquid or tablet chlorine, uv, etc.):

UV light

How frequently is an effluent analysis reported to a government entity(s)?

Monthly

Were any reporting periods missed?

Yes  No

How many times did effluent exceed limits?

None

Please explain:

What is efficiency of sewer plant?

BOD removal = 96%, TSS removal = 99%

**SEWER INFORMATION - Anna Meadows Wastewater  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station	WWTP Influent Lift Station	WWTP Influent Lift Station		
Make or Type and Nameplate Data of Pump(s)	ABS AFP 1041 M34/5 submersible	ABS AFP 1041 M34/5 submersible		
Year Installed	2006	2006		
Rate Capacity (gpm)	720	720		
Size	8.5"	8.5"		
How Driven?	Direct drive	Direct drive		
Give nameplate data of motor: ABS 4.7 HP Submersible Pump Model #AFP (K) 1041.3M35/4; 460volt/sphase/1750RPM				
What preventative maintenance is given pumping equipment? Floats are tested, wet well is cleaned, pumps removed and cleaned, electrical leads tested				
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year?				

Service Connections Do not own-Remove									
Size (inches)	4"								
Type (CI, VCP, etc.)	PVC								
Total Active Service Connections (by size):	159								
No. at Beginning of Year	159								
No. Added During the Year	-								
No. Retired During the Year	159								
No. at End of Year	-								
Give full particulars concerning inactive connections: There are 3 uninhabitable lots (lot w/ well house, wastewater plant and one privately owned lot with small swimming pool on it).									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Force Main			Interceptor Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"			8"					
Type of Main (CI, VCP, etc.)	PVC			PVC					
Length of Pipe (round to nearest foot)				50					
Beginning of Year	5432			50					
Added During the Year	0			0					
Retired During the Year	0			0					
End of the Year	5432			50					
<i>Manholes</i>									
Size	42"	48"							
Construction Material	Concrete	Concrete							
Number									
Beginning of the Year	46	1							
Added During the Year	0	0							
Retired During the Year	0	0							
End of the Year	46	1							

**SEWER INFORMATION ARNOLD  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	
	Location or Station Make or Type and Nameplate Data of Pump(s)	Keller ABS	Keller Sulzer	Twin Oaks Sulzer	Twin Oaks Sulzer	141 Pump ABS	141 Pump Sulzer	141 Pump ABS	Karley ABS	Karley ABS	Louie Drive	Rosedale ABS
Year Installed	1984	2016	2015	1984	2016	1984	2015	2015	2000	1992	1992	
Rate Capacity (gpm)	300	300	100	100	130	130	50	50	25	75	75	
Size	10 HP	10 HP	7.5 HP	7.5 HP	7.5 HP	7.5 HP	3.8 HP	3.8 HP	3 HP	5HP	5HP	
How Driven?	480 volt	480 volt	480 volt	480 volt	480 volt	480 volt	240 volt	240 volt	240 volt	240 volt	240 volt	240 volt
Give nameplate data of motor:												
What preventative maintenance is given pumping equipment? All lift stations listed above were inspected and cleaned. Oil replaced.												
Are manufacturer's instructions adhered to?	X	Yes		No								
What, if any, repairs were accomplished on pumping equipment during the year? Two pumps replaced in 2016 - one at Keller LS and one at Hwy 141 LS. Annual maintenance done on all pumps.												

Service Connections Do not own												
Size (inches)												
Type (CI, VCP, etc.)												
Total Active Service Connections (by size):												
No. at Beginning of Year												
No. Added During the Year												
No. Retired During the Year												
No. at End of Year												
Give full particulars concerning inactive connections:												

(a)	Collecting, Interceptor and Force Mains												
	Collecting Mains			Interceptor Mains						Force Mains			
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
Size (inches)	8"	6"	12"	10"	8"	36"	12"	15"	18"	1.5"	3"	4"	6"
Type of Main (CI, VCP, etc.)	VCP	VCP	VCP	VCP	PVC	PVC	Concrete	Concrete	Concrete	PVC	DI	DI	DI
Length of Pipe (round to nearest foot)													
Beginning of Year	320,938	848	3,108	10,255	202,317	5,726	5,439	6,644	52,516	140	600	1,230	760
Added During the Year			12		30								
Retired During the Year									20				
End of the Year	320,938	848	3,120	10,255	202,347	5,726	5,439	6,624	52,516	140	600	1,230	760
Size (inches)	16"	16"	30"	21"	24"	27"							
Type of Main (CI, VCP, etc.)	PVC	HDPE	HDPE	Concrete	Concrete	Concrete							
Length of Pipe (round to nearest foot)													
Beginning of Year	593	1,397	0	4,340	3,708	15,669							
Added During the Year	0	0	1,530		30								
Retired During the Year	0	0	0										
End of the Year	593	1,397	1,530	4,340	3,738	15,669							
<u>Manholes</u>													
Size													
Construction Material													
Number													
Beginning of the Year	3,240												
Added During the Year	12												
Retired During the Year	0												
End of the Year	3,252												

**SEWER INFORMATION -Austin Trails Wastewater  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station	n/a			
Make or Type and Nameplate Data of Pump(s)	n/a			
Year Installed	n/a			
Rate Capacity (gpm)	n/a			
Size	n/a			
How Driven?	n/a			
Give nameplate data of motor:				
What preventative maintenance is given pumping equipment? <span style="float:right">n/a</span>				
Are manufacturer's instructions adhered to? Yes <input type="checkbox"/> No <input type="checkbox"/> <span style="float:right">n/a</span>				
What, if any, repairs were accomplished on pumping equipment during the year? <span style="float:right">n/a</span>				

Service Connections Do not own services									
Size (inches)									
Type (CI, VCP, etc.)									
Total Active Service Connections (by size):									
No. at Beginning of Year									
No. Added During the Year									
No. Retired During the Year									
No. at End of Year									
Give full particulars concerning inactive connections:									
There are 3 uninhabitable lots (lot w/ well house, wastewater plant and one privately owned lot with small swimming pool on it).									

Collecting, Interceptor and Force Mains									
(a)	Gravity Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8								
Type of Main (CI, VCP, etc.)	PVC								
Length of Pipe (round to nearest foot)	515								
Beginning of Year	515								
Added During the Year	0								
Retired During the Year	0								
End of the Year	515								
<i>Manholes</i>									
Construction Material									
Size:	48								
Beginning of the Year	3								
Added During the Year	0								
Retired During the Year	0								
End of the Year	3								

**SEWER INFORMATION - Benton Co Wastewater  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station - 2 lift stations	Blue Branch	White Branch		
Make or Type and Nameplate Data of Pump(s)	Enviro Line	Flygt		
Year Installed	1998	2018		
Rate Capacity (gpm)	100	160		
Size	20 hp	11 hp		
How Driven?	Electric	Electric		
Give nameplate data of motor:				
What preventative maintenance is given pumping equipment? Daily routine maintenance check on each liftstation				
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year? Old grinder pumps in the system continue to be replaced as they fail				

Service Connections Do not own services-Remove									
Size (inches)	1 1/4"								
Type (CI, VCP, etc.)									
Total Active Service Connections (by size):									
No. at Beginning of Year	371								
No. Added During the Year	0								
No. Retired During the Year	371								
No. at End of Year	0								
Give full particulars concerning inactive connections:									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Force Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	4"	8"		2"	2.5"	3"	4"	6"	
Type of Main (CI, VCP, etc.)	PVC	PVC					PVC	PVC	
Length of Pipe (round to nearest foot)	6,739	3,610		17,012	6,580	9,794	6,070	432	
Beginning of Year									
Added During the Year				-					
Retired During the Year				-					
End of the Year	6,739	3,610		17,012	6,580	9,794	6,070	432	
<u>Manholes</u>									
Size	8"								
Construction Material :	Concrete								
Number:	47								
Beginning of the Year:	47								
Added During the Year:	0								
Retired During the Year:	0								
End of the Year:	47								

**SEWER INFORMATION - Cedar Hill District - Northwest Highschool Lift Station**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station - Hwy 30 North of Local Hillsboro Road Make or Type and Nameplate Data of Pump(s)	ABS	ABS		
Year Installed	1997	1997		
Rate Capacity (gpm)	640 GPM	640 GPM		
Size	4.7	4.7		
How Driven?	Floats	Floats		
Give nameplate data of motor: ABS Model AFP1040/M35/4-12				
What preventative maintenance is given pumping equipment? Monthly inspection and annual inspection oil change				
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year?				

Service Connections Do not own-Remove									
Size (inches)	6"								
Type (CI, VCP, etc.)	PVC								
Total Active Service Connections (by size):	8								
No. at Beginning of Year	8								
No. Added During the Year	0								
No. Retired During the Year	8								
No. at End of Year	0	-	-	-	-	-	-	-	-
Give full particulars concerning inactive connections: N/A									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"			4"			4"		
Type of Main (CI, VCP, etc.)	PVC			PVC			PVC SCH 26		
Length of Pipe (round to nearest foot)	2,181			180			2,600		
Beginning of Year	2,181			180			2,600		
Added During the Year	0			0			0		
Retired During the Year	0			0			0		
End of the Year	2,181			180	-	-	2,600	-	-
<b>Manholes</b>									
Size	48"								
Construction Material	Concrete								
Number	12								
Beginning of the Year	12								
Added During the Year	0								
Retired During the Year	0								
End of the Year	12								



**SEWER INFORMATION - Cedar Hill District - Sand Creek Lift Station**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station - Southeast Corner of Sand Creek Treatment Plant, 5825 Pete O'Brien Road Make or Type and Nameplate Data of Pump(s)	Flyght	Flyght	Flyght	
Year Installed	2007	2007	2007	
Rate Capacity (gpm)	270 GPM	270 GPM	270 GPM	
Size	3 HP	3 HP	3 HP	
How Driven?	Pressure Transducer	Pressure Transducer	Pressure Transducer	
Give nameplate data of motor: Flight 3085 all pumps				
What preventative maintenance is given pumping equipment? Monthly inspection and annual inspection oil change				
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year? None				

Service Connections Do not own-Remove									
Size (inches)	6"								
Type (CI, VCP, etc.)	PVC								
Total Active Service Connections (by size):									
No. at Beginning of Year	312								
No. Added During the Year	0								
No. Retired During the Year	312								
No. at End of Year	0	-	-	-	-	-	-	-	-
Give full particulars concerning inactive connections: N/A									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"								
Type of Main (CI, VCP, etc.)	PVC								
Length of Pipe (round to nearest foot)	14,200								
Beginning of Year	14,200								
Added During the Year	0								
Retired During the Year	0								
End of the Year	14,200								
<i>Manholes</i>									
Size	48"								
Construction Material	Concrete								
Number	204								
Beginning of the Year	204								
Added during the year	0								
Retired During the Year	0								
End of the Year	204								

**SEWER INFORMATION - Cedar Hill District - Twin Pines Lift Station**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station - The Cedars & Highway 30 at rear of Twin Pines subdivision Make or Type and Nameplate Data of Pump(s)	Single phase Flygt	Single phase Flygt	3 phase EBARA	3 phase EBARA
Year Installed	2005	2005	2016	2016
Rate Capacity (gpm)	270 GPM	270 GPM	270	270
Size	7.5 HP	7.5 HP	7.5 HP	7.5 HP
How Driven?	hard start	hard start	VFD	VFD
Give nameplate data of motor: EBARA model DLFU				
What preventative maintenance is given pumping equipment? Monthly inspection and annual inspection oil change				
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year? Purchased two new three phase Flygt pumps to replace existing single phase pumps. The new pumps will be installed in the Spring of 2017. Two new EBARA 7.5 HP pumps were installed in 2017 with new PLC p				

Service Connections Do not own-Remove									
Size (inches)	6"								
Type (CI, VCP, etc.)	PVC								
Total Active Service Connections (by size):	0								
No. at Beginning of Year	67								
No. Added During the Year	0								
No. Retired During the Year	67								
No. at End of Year	0	-	-	-	-	-	-	-	-
Give full particulars concerning inactive connections: N/A									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"			4"			6"		
Type of Main (CI, VCP, etc.)	PVC			PVC			PVC SCH 26		
Length of Pipe (round to nearest foot)	6,400			180			1,540		
Beginning of Year	6,400			180			1,540		
Added During the Year	0			0			0		
Retired During the Year	0			0			0		
End of the Year	6,400			180			1,540	-	-
<u>Manholes</u>									
Size	48"								
Construction Material	Concrete								
Number	33								
Beginning of the Year	33								
Added During the Year	0								
Retired During the Year	0								
End of the Year	33								

**SEWER INFORMATION - Cedar Hill District - Lake Tamarack Lift Station  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station - Lake Tamarack subdivision at rear of 7808 Evergreen Make or Type and Nameplate Data of Pump(s)	Barnes	Barnes	Barnes	
Year Installed	2010	2010	2018	
Rate Capacity (gpm)	90 GPM	90 GPM	90GPM	
Size	1 HP	1 HP	1 HP	
How Driven?	Floats	Floats	Floats	
Give nameplate data of motor: Barnes Model 3SE 10941 both pumps				
What preventative maintenance is given pumping equipment? Monthly inspection and annual inspection oil change				
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year? None				

Service Connections Do not own-Remove										
Size (inches)	6"									
Type (CI, VCP, etc.)	PVC									
Total Active Service Connections (by size):	10									
No. at Beginning of Year	10									
No. Added During the Year	0									
No. Retired During the Year	10									
No. at End of Year	0	-	-	-	-	-	-	-	-	-
Give full particulars concerning inactive connections: N/A										

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"	8"	8"				2"		
Type of Main (CI, VCP, etc.)	PVC	VCP	Arco Truss Pipe				PVC		
Length of Pipe (round to nearest foot)	2,001	1,962	931				250		
Beginning of Year	2,001	1,962	931				250		
Added During the Year	0		-				0		
Retired During the Year	0		-				0		
End of the Year	2,001	1,962	931				250		
<b>Manholes</b>									
Size	48"								
Construction Material	Concrete								
Number	34								
Beginning of the Year	34								
Added During the Year	0								
End of the Year	34								

**SEWER INFORMATION - Cedar Hill District - Cedar Hill Lagoon Lift Station**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station - North Industrial Drive, two blocks west of Hwy 30 Make or Type and Nameplate Data of Pump(s)				
	Flyght	Flyght	Flyght	
Year Installed	2010	2010	2010	
Rate Capacity (gpm)	410 GPM	410 GPM	410 GPM	
Size	4" 7.5 HP	4" 7.5 HP	4" 7.5 HP	
How Driven?	Floats	Floats	Floats	
Give nameplate data of motor: Flight 3127				
What preventative maintenance is given pumping equipment? Monthly inspection and annual inspection oil change				
Are manufacturer's instructions adhered to?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
What, if any, repairs were accomplished on pumping equipment during the year? None				

Service Connections Do not own-Remove									
Size (inches)	6"								
Type (CI, VCP, etc.)	PVC								
Total Active Service Connections (by size):	0								
No. at Beginning of Year	429								
No. Added During the Year	0								
No. Retired During the Year	429								
No. at End of Year	0	-	-	-	-	-	-	-	-
Give full particulars concerning inactive connections: N/A									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"	10"	12"				6"	2"	
Type of Main (CI, VCP, etc.)	PVC	PVC	PVC				PVC	PVC	
Length of Pipe (round to nearest foot)	26,217	800	250				700	662	
Beginning of Year	26,217	800	250				700	662	
Added During the Year	0	0	0				0	0	
Retired During the Year	0	0	0				0	0	
End of the Year	26,217	800	250				700	662	-
<u>Manholes</u>									
Size	48"								
Construction Material	Concrete								
Number	167								
Beginning of the Year	167								
Added During the Year	0								
Retired During the Year	0								
End of the Year	167								

**SEWER INFORMATION - Cedar Hill District - Cedar Springs Lift Station**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station - Next to lake at the end of Marko Drive Make or Type and Nameplate Data of Pump(s)	Flyght Grinder	Flyght Grinder	Flyght Grinder	
Year Installed	2010	2009	2008	
Rate Capacity (gpm)	125GPM			
Size	11HP	11 hp	11 hp	
How Driven?	Floats	Floats	Floats	
	3127.170-1050085	3127.170-0960039	3127.170-0670027	
Give nameplate data of motor: Fight 3127 Grinder on all three pumps				
What preventative maintenance is given pumping equipment? Monthly inspection and annual inspection oil change				
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year? None				

Service Connections Do not own-Remove									
Size (inches)	6"								
Type (CI, VCP, etc.)	PVC								
Total Active Service Connections (by size):	151								
No. at Beginning of Year	151								
No. Added During the Year	0								
No. Retired During the Year	151								
No. at End of Year	0	-	-	-	-	-	-	-	-
Give full particulars concerning inactive connections: N/A									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Force Mains			Interceptor Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"			4"					
Type of Main (CI, VCP, etc.)	PVC			PVC					
Length of Pipe (round to nearest foot)	12,799			1,700					
Beginning of Year	12,799			1,700					
Added During the Year	0			0					
Retired During the Year	0			0					
End of the Year	12,799			1,700					
<u>Manholes</u>									
Size	48"								
Construction Material	Concrete								
Number	55								
Beginning of the Year	55								
Added During the Year	0								
Retired During the Year	0								
End of the Year	55								

**SEWER INFORMATION - Cedar Hill District - O'Brien Place lift station**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station - Hwy 30 North of Local Hillsboro Road Make or Type and Nameplate Data of Pump(s)	ABS	ABS		
Year Installed	2020	2020		
Rate Capacity (gpm)	159 GPM	159 GPM		
Size	3	3		
How Driven?	Floats	Floats		
Give nameplate data of motor: ABS/1040				
What preventative maintenance is given pumping equipment? Monthly inspection and annual inspection oil change				
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year? New lift station installed in new subdivision.				

Service Connections Do not own-Remove									
Size (inches)	6"								
Type (CI, VCP, etc.)	PVC								
Total Active Service Connections (by size):	8								
No. at Beginning of Year	20								
No. Added During the Year	0								
No. Retired During the Year	20								
No. at End of Year	0	-	-	-	-	-	-	-	-
Give full particulars concerning inactive connections: New subdivision, Total lots when completed 114.									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Force Mains			Interceptor Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"			6"					
Type of Main (CI, VCP, etc.)	PVC			PVC SCH 26					
Length of Pipe (round to nearest foot)	3,340			50					
Beginning of Year	3,340	-		50					
Added During the Year	5			0					
Retired During the Year	5			0					
End of the Year	3,340			50	-	-		-	-
<u>Manholes</u>									
Size	48"								
Construction Material	Concrete								
Number	20								
Beginning of the Year	20								
Added During the Year	6								
Retired During the Year	0								
End of the Year	26								

**SEWER INFORMATION Centennial Acres  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit						
	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Location or Station	WWTP	WWTP					
Make or Type and Nameplate Data of Pump(s)	Baldor/ Roots	Baldor/ Roots					
Year Installed	2008	2008					
Rate Capacity (gpm)	N/A Blower						
Size	3 HP	4 HP					
How Driven?	Electric	Electric					
Give nameplate data of motor:							
What preventative maintenance is given pumping equipment? Grease and belt tension checks. Thermal imaging							
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
What, if any, repairs were accomplished on pumping equipment during the year?							

Service Connections Do not own									
Size (inches)									
Type (CI, VCP, etc.)									
Total Active Service Connections (by size):									
No. at Beginning of Year									
No. Added During the Year									
No. Retired During the Year									
No. at End of Year									
Give full particulars concerning inactive connections:									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)							2"	4"	
Type of Main (CI, VCP, etc.)							PVC	PVC	
Length of Pipe (round to nearest foot)									
Beginning of Year									
Added During the Year							1,950	150	
Retired During the Year									
End of the Year									
<u>Manholes</u>									
Size									
Construction Material									
Number									
Beginning of the Year									
Added During the Year									
Retired During the Year									
End of the Year									

**SEWER INFORMATION -Clinton Estates Wastewater  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station	Cliton Estates, Trimble MO			
Make or Type and Nameplate Data of Pump(s)	Orengo, x(8)			
Year Installed	2020			
Rate Capacity (gpm)	50			
Size	1hp			
How Driven?	electric			
Give nameplate data of motor: Orengo, Model # PF501012-20, 50gpm, 1hp, single phase, 230V				
What preventative maintenance is given pumping equipment? pumping system is checked at minimum of twice a week				
Are manufacturer's instructions adhered to?      Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year? (8) new pumps, floats, control pannel, SCADA, some plumbing				

Service Connections Do not own services									
Size (inches)									
Type (CI, VCP, etc.)									
Total Active Service Connections (by size):									
No. at Beginning of Year									
No. Added During the Year									
No. Retired During the Year									
No. at End of Year									
Give full particulars concerning inactive connections:									

Collecting, Interceptor and Force Mains									
(a)	Gravity Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"								
Type of Main (CI, VCP, etc.)	PVC								
Length of Pipe (round to nearest foot)									
Beginning of Year	8,852								
Added During the Year	-								
Retired During the Year	-								
End of the Year	8,852								
<i>Manholes</i>									
Size	48								
Construction Material	Concrete								
Number									
Beginning of the Year	34								
Added During the Year	-								
Retired During the Year	-								
End of the Year	34								



**SEWER INFORMATION -El Chapparel Wastewater  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station	n/a			
Make or Type and Nameplate Data of Pump(s)	n/a			
Year Installed	n/a			
Rate Capacity (gpm)	n/a			
Size	n/a			
How Driven?	n/a			
Give nameplate data of motor:	n/a			
What preventative maintenance is given pumping equipment?	n/a			
Are manufacturer's instructions adhered to?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	n/a	
What, if any, repairs were accomplished on pumping equipment during the year?	n/a			

Service Connections Do not own services									
Size (inches)									
Type (CI, VCP, etc.)									
Total Active Service Connections (by size):									
No. at Beginning of Year									
No. Added During the Year									
No. Retired During the Year									
No. at End of Year									
Give full particulars concerning inactive connections:	-								
There are 3 uninhabitable lots (lot w/ well house, wastewater plant and one privately owned lot with small swimming pool on it).									

Collecting, Interceptor and Force Mains									
(a)	Gravity Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"								
Type of Main (CI, VCP, etc.)	Clay								
Length of Pipe (round to nearest foot)									
Beginning of Year	7,833								
Added During the Year									
Retired During the Year									
End of the Year	7,833								
<u>Manholes</u>									
Size									
Construction Material	Concrete								
Number									
Beginning of the Year	32								
Added During the Year	-								
Retired During the Year	-								
End of the Year	32								

**SEWER INFORMATION - Emerald Pointe Wastewater  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit					
	(b)	(c)	(d)	(e)	(f)	(g)
Location or Station - 6 lift stations						
Make or Type and Nameplate Data of Pump(s)						
Year Installed						
Rate Capacity (gpm)						
Size						
How Driven?						
Give nameplate data of motor:						
What preventative maintenance is given pumping equipment?						
Weekly routine maintenance check on each liftstation						
Are manufacturer's instructions adhered to? Yes <input type="checkbox"/> No <input type="checkbox"/>						
What, if any, repairs were accomplished on pumping equipment during the year?						
n/a						

Service Connections							
Size (inches)	1-1/4"						
Type (CI, VCP, etc.)							
Total Active Service Connections (by size):							
No. at Beginning of Year	431						
No. Added During the Year	4						
No. Retired During the Year	0						
No. at End of Year	435						
Give full particulars concerning inactive connections:							

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	4"	8"	15"				6"	8"	
Type of Main (CI, VCP, etc.)	PVC	PVC	PVC				PVC	PVC	
Length of Pipe (round to nearest foot)	6,100	7,000	700				7,050	2,500	
Beginning of Year	6,100	7,000	700				7,050	2,500	
Added During the Year	3						-	-	
Retired During the Year	3						-	-	
End of the Year	6,100	7,000	700				7,050	2,500	
<u>Manholes</u>									
Size									
Construction Material	Concrete								
Number	20								
Beginning of the Year	20								
Added During the Year	-								
Retired During the Year	-								
End of the Year	20								

**SEWER INFORMATION - Eureka Wastewater**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit					
	(b)	(c)	(d)	(e)	(f)	(g)
Location or Station - 6 lift stations						
Make or Type and Nameplate Data of Pump(s)						
Year Installed						
Rate Capacity (gpm)						
Size						
How Driven?						
Give nameplate data of motor:						
What preventative maintenance is given pumping equipment?						
Weekly routine maintenance check on each liftstation						
Are manufacturer's instructions adhered to? Yes <input type="checkbox"/> No <input type="checkbox"/>						
What, if any, repairs were accomplished on pumping equipment during the year?						
n/a						

Service Connections Do not own									
Size (inches)									
Type (CI, VCP, etc.)									
Total Active Service Connections (by size):									
No. at Beginning of Year									
No. Added During the Year									
No. Retired During the Year									
No. at End of Year									
Give full particulars concerning inactive connections:									

Collecting, Interceptor and Force Mains									
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	4"	8"	10"	12"	15"	18"	24"	30"	48"
Type of Main (CI, VCP, etc.)	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay	Clay
Length of Pipe (round to nearest foot)			0						
Beginning of Year	-	-	-	-	-	-	-	-	-
Added During the Year	1,136	85,893	2,906	2,405	1,017	1,184	269	3,972	141
Retired During the Year	-	-	-	-	-	-	-	-	-
End of the Year	1,136	85,893	2,906	2,405	1,017	1,184	269	3,972	141
Size (inches)	2"	4"	8"	10"	12"	15"	18"	24"	36"
Type of Main (CI, VCP, etc.)	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Length of Pipe (round to nearest foot)									
Beginning of Year	-	-	-	-	-	-	-	-	-
Added During the Year	4,397	2,652	200,627	6,782	5,613	2,373	2,764	629	9,268
Retired During the Year	-	-	-	-	-	-	-	-	-
End of the Year	4,397	2,652	200,627	6,782	5,613	2,373	2,764	629	9,268
Size (inches)	48"								
Type of Main (CI, VCP, etc.)	PVC								
Length of Pipe (round to nearest foot)									
Beginning of Year	-								
Added During the Year	328								
Retired During the Year	-								
End of the Year	328								
<i>Manholes</i>									
Size									
Construction Material									
Number	-								
Beginning of the Year	-								
Added During the Year	1,452								
Retired During the Year	-								
End of the Year	1,452								

**SEWER INFORMATION - Garden City Wastewater**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**  
 Page S9

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station	Lift station #1 25hp Submersible Grinder Pump	Lift Station #2 25hp Submersible Grinder Pump		
Make or Type and Nameplate Data of Pump(s)				
Year Installed	1995	2014		
Rate Capacity (gpm)				
How Driven? Submersible				
Give nameplate data of motor:				
What preventative maintenance is given pumping equipment? <b>Preventative maintenance instructed by the manufacture instructions</b>				
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year? <b>Renovated in spring/summer of 2014. Rebuilt pumps, new soft starts, new lightning arrester, new phase monitor.</b>				

Service Connections Do not own												
Size (inches)												
Type (CI, VCP, etc.)												
Total Active Service Connections (by size):												
No. at Beginning of Year												
No. Added During the Year	0											
No. Retired During the Year	0											
No. at End of Year	0											
Give full particulars concerning inactive connections:												

Collecting, Interceptor and Force Mains												
(a)	Gravity					Interceptor Mains			Force Mains			
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)			
Size (inches)	8	8	10	10	12			4	6	8		
Type of Main (CI, VCP, etc.)	VCP	PVC	VCP	PVC	PVC			PVC	PVC	PVC		
Length of Pipe (round to nearest foot)								0	0	0		
Beginning of Year	53,700	14,784	1,885	600	2,951			675	1,320	1,885		
Added During the Year	-	-	-	-	-			-	-	-		
Retired During the Year	-	-	-	-	-			-	-	-		
End of the Year	53,700	14,784	1,885	600	2,951			675	1,320	1,885		
<b>Manholes (No Manholes)</b>												
Size												
Construction Material												
Number												
Beginning of the Year	1											
Added During the Year	0											
Retired During the Year	0											
End of the Year	1											

**SEWER INFORMATION - Hallsville Wastewater**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**  
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Report of MISSOURI AMERICAN WATER COMPANY

For the calendar year of January 1 - December 31, 2022

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station				
Make or Type and Nameplate Data of Pump(s)				
Year Installed				
Rate Capacity (gpm)				
How Driven? Submersible				
Give nameplate data of motor: <b>Weg Motor</b>				
What preventative maintenance is given pumping equipment? <b>manufacturer recommendations</b>				
Are manufacturer's instructions adhered to? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year? <b>none</b>				

Service Connections Do not own												
Size (inches)												
Type (Cl, VCP, etc.)												
Total Active Service Connections (by size):												
No. at Beginning of Year												
No. Added During the Year												
No. Retired During the Year												
No. at End of Year												
Give full particulars concerning inactive connections:												

Collecting, Interceptor and Force Mains												
(a)	Force Mains					Gravity Mains			Collection Mains			
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)			
Size (inches)	12	8	6	3	6	8						
Type of Main (Cl, VCP, etc.)	PVC	PVC	PVC	PVC	DI	PVC						
Length of Pipe (round to nearest foot)												
Beginning of Year	-	-	-	-	-	-						
Added During the Year	5,000	50	6,550	2,170	40	73,867						
Retired During the Year	-	-	-	-	-	-						
End of the Year	5,000	50	6,550	2,170	40	73,867						
<u>Manholes</u>												
Size												
Construction Material												
Number												
Beginning of the Year	-											
Added During the Year	262											
Retired During the Year	-											
End of the Year	262											

**SEWER INFORMATION - Hickory Hills Wastewater**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**  
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Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station				
Make or Type and Nameplate Data of Pump(s)				
Year Installed				
Rate Capacity (gpm)				
How Driven? Submersible				
Give nameplate data of motor: <b>Weg Motor</b>				
What preventative maintenance is given pumping equipment? <b>manufacturer recommendations</b>				
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year? <b>none</b>				

Service Connections Do not own-Remove											
Size (inches)	4										
Type (CI, VCP, etc.)	unknown										
Total Active Service Connections (by size):	49										
No. at Beginning of Year	49										
No. Added During the Year	0										
No. Retired During the Year	49										
No. at End of Year	0										
Give full particulars concerning inactive connections:											

Collecting, Interceptor and Force Mains												
(a)	Collecting Mains						Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	
Size (inches)	8	4	6	8	8	8						
Type of Main (CI, VCP, etc.)	VCP	VCP	PVC	CIPP	DI	PVC						
Length of Pipe (round to nearest foot)	2,167	383	1,022	858	60	287						
Beginning of Year	1,634	383	1,022	1,391	60	287						
Added During the Year	-	-	-	-	-	-						
Retired During the Year	-	-	-	-	-	-						
End of the Year	1,634	383	1,022	1,391	60	287						
<u>Manholes</u>												
Size												
Construction Material	Brick											
Number	17											
Beginning of the Year	19											
Added During the Year	-											
Retired During the Year	-											
End of the Year	19											

**SEWER INFORMATION -Hillers Creek Wastewater  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station Make or Type and Nameplate Data of Pump(s)				
Year Installed				
Rate Capacity (gpm)				
Size				
How Driven?				
Give nameplate data of motor: None				
What preventative maintenance is given pumping equipment? none				
Are manufacturer's instructions adhered to?      Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year? none				

Service Connections Do not own-Remove									
Size (inches)	4								
Type (CI, VCP, etc.)	plastic								
Total Active Service Connections (by size):									
No. at Beginning of Year	43								
No. Added During the Year	-								
No. Retired During the Year	43								
No. at End of Year	-								
Give full particulars concerning inactive connections: There are 3 uninhabitable lots (lot w/ well house, wastewater plant and one privately owned lot with small swimming pool on it).									

Collecting, Interceptor and Force Mains									
(a)	Gravity Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"								
Type of Main (CI, VCP, etc.)	PVC								
Length of Pipe (round to nearest foot)	9,434								
Beginning of Year	9,434								
Added During the Year	-								
Retired During the Year	-								
End of the Year	9,434								
<i>Manholes</i>									
Size									
Construction Material	concrete								
Number	23								
Beginning of the Year	23								
Added During the Year	-								
Retired During the Year	-								
End of the Year	23								

**SEWER INFORMATION MERAMAC DISTRICT-Homestead Estates  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	(b)	(c)	(d)	(e)	(f)	(d)	€	(f)
	Location or Station Homestead Estates Lift Station and Plant Make or Type and Nameplate Data of Pump(s)	Sulzer	Sulzer	P00511	P00511	P00511	P00511	P00511
Year Installed	12/31/2020	12/31/2020	3/13/2011	3/13/2020	3/13/2011	3/13/2011	3/13/2011	3/13/2011
Rate Capacity (gpm)			35	35	35	35	35	35
Size	6.7 HP	6.7 HP	3/4 hp	3/4 hp	3/4 hp	3/4 hp	3/4 hp	3/4 hp
How Driven?	Float	Float	RSV	RSV	RSV	RSV	RSV	RSV
Give nameplate data of motor:								
What preventative maintenance is given pumping equipment? Filter Cleaning								
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								
What, if any, repairs were accomplished on pumping equipment during the year? None								

Service Connections Do not own												
Size (Inches)												
Type (Cl, VCP, etc.)												
Total Active Service Connections (by size):												
No. at Beginning of Year												
No. Added During the Year												
No. Retired During the Year												
No. at End of Year												
Give full particulars concerning inactive connections:												

(a)	Collecting, Interceptor and Force Mains												
	Collecting Mains			Interceptor Mains						Force Mains			
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
Size (Inches)	8"									8"			
Type of Main (Cl, VCP, etc.)	PVC									PVC			
Length of Pipe (round to nearest foot)	6,435									2,675			
Beginning of Year	6,435									2,675			
Added During the Year	-									-			
Retired During the Year	-									-			
End of the Year	6,435									2,675			
<b>Manholes</b>													
Size													
Construction Material	Concrete												
Number													
Beginning of the Year	50												
Added During the Year	-												
Retired During the Year	-												
End of the Year	50												





**SEWER INFORMATION - Jefferson City Wastewater  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station				
Make or Type and Nameplate Data of Pump(s) ABS	See Attached			
Year Installed	See Attached			
Rate Capacity (gpm)	See Attached			
How Driven? Submersible				
Give nameplate data of motor: See Attached				
What preventative maintenance is given pumping equipment? See Attached				
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year? See Attached				

Service Connections Do not own									
Size (inches) DO NOT OWN SERVICES Type (CI, VCP, etc.) Total Active Service Connections (by size): No. at Beginning of Year No. Added During the Year No. Retired During the Year No. at End of Year									
Give full particulars concerning inactive connections:									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)		See Attached							
Type of Main (CI, VCP, etc.)									
Length of Pipe (round to nearest foot)									
Beginning of Year									
Added During the Year									
Retired During the Year									
End of the Year								-	-
<u>Manholes</u>									
Size	48"	24"	48"						
Construction Material	Concrete	Concrete	Brick						
Number									
Beginning of the Year	578	1	51						
Added During the Year	3	-	-						
Retired During the Year	-	-	-						
End of the Year	581	1	51						

Location of Liftstation	Make or Type and nameplate data of pump	Year Installed	Rate Capacity GPM	Size	How Driven	Give Nameplate data of motor	What preventative maintenance is given pumping equipment	Are manufacturer's instructions adhered to?	What, if any, repairs on pumping on pumping equipment?
Carol Street	ABS Piranha S26/2	unknown	unknown	2 hp	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Cedar Valley	ABS Piranha S18-2W	2001	42	2.4 HP, 3450/230 V	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Dallmeyer Plant	ABS Piranha S10-4W	1998	24	3.5 HP, 3450/230 V	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Evergreen	ABS Piranha S20/2W	2011	unknown	2.1 HP	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Grande Highlands	Piranha "M" Series	unknown	unknown	4.7 HP	Submersible	unknown	Cleaning & removal of all debris,	YES	New Pump
Halifax Plant	ABS Model SE10W	1999	115	1 hp	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Kleffner Plant	ABS	2004	61	6.2 hp	Submersible	unknown	Cleaning & removal of all debris	YES	None
Lakewood	ABS Piranha, S26/2W	2011	unknown	3.5 HP, 26-2W,	Submersible	unknown	Cleaning & removal of all debris,	YES	New Pump
Mehmert	ABS	unknown	29.7	2.4 HP	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Quail Valley #1	ABS Piranha	2003	unknown	3.5 HP, S26/2W	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Quail Valley #2	ABS Piranha	2003	unknown	3.5 HP, S26/2W	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Quail Valley #3	ABS Piranha	2003	unknown	3.5 HP, S26/2W	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Quail Valley #4	ABS Piranha	2003	unknown	.5HP, EF05W	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Redfield #1	ABS	2001	38.6	3.5 HP, S26/2W	Submersible	unknown	Cleaning & removal of all debris	YES	None
Robert Street	ABS	unknown	unknown	2.2 HP	Submersible	unknown	Cleaning & removal of all debris,	YES	New Pump
Rustic Oaks	Goulds	2008	unknown	1.5 HP	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Sleepy Hollow	ABS Piranha, S20/2W	2009	unknown	2.4 HP	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Southwood Hills #1	ABS	unknown	unknown	3.5 hpS26/2	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Southwood Hills #2	Hydromatic	2008	unknown	1.5 HP, SKHD150M2	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Walther Road	ABS	2013	unknown	3.35HP	Submersible	PE25/2W	Cleaning & removal of all debris,	YES	None

Report of: Jefferson City Wastewater - Pg S-9 Attachment

Missouri American Water Company  
 For the Calendar Year ending December 31, 2022  
 Sewer Mains

Size	Collecting Mains						Force Mains		
	24"	8"	8"	6"	4"	3"	1 1/4"	2"	3"
Type	PVC	PVC	CIPP	PVC	PVC/CIP	PVC/CIP	PVC	PVC	PVC
Beginning of Year	37	15,637	3,421	4,525	13,304	300	375	14,473	3,122
Added During the Year	-	1,170	2,301	-	358	-	-	-	-
Retired During the Year	-	183	-	-	84	-	-	-	-
End of Year	37	16,624	5,722	4,525	13,578	300	375	14,473	3,122
Size	6"	8"	8"	6"					
Type	SDR/PVC	PVC/VCP	Ductile Iron	CIP/VCP					
Beginning of Year	1,598	75,841	146	12,934					
Added During the Year	-	-	-	-					
Retired During the Year	-	20	-	-					
End of Year	1,598	75,821	146	12,934					

**SEWER INFORMATION LAWSON  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
	Location or Station Make or Type and Nameplate Data of Pump(s)	Lagoon	Schwarz	Raum st	n West terr	Powderhorn	Musket	s 69 Hi-way
Year Installed	Sithe	Sulzer	Submersible	Fligt	Hydromatic	Sulzer	Sulzer	not in service
Rate Capacity (gpm)	2020	2019	2017	2021	? / 2019	2019	2019	
Size	575 ea	400 x 2	100 x 2	50	50	50	50	
How Driven?	20 hp x 2 elect	40.2 hp x 2 elect	7.5 hp x 2 elect	2.5 elect	3.4 & 5 hp elect	6 hp elect	2 hp elect	
Give nameplate data of motor: unable to obtain - pumps and motors are in wet wells and are submerged in wastewater								
What preventative maintenance is given pumping equipment? pump operation is checked every working day and monitored 24-7 by SCADA and alarm system, operations supervisor now has SCADA control from any remote locaton								
Are manufacturer's instructions adhered to? Yes <input type="checkbox"/> some <input type="checkbox"/> No <input type="checkbox"/>								
What, if any, repairs were accomplished on pumping equipment during the year? Replaced 2 pumps and check valves at the N West Terr. lift station.								

Service Connections Do not own												
Size (inches)												
Type (CI, VCP, etc.)												
Total Active Service Connections (by size):												
No. at Beginning of Year												
No. Added During the Year												
No. Retired During the Year												
No. at End of Year												
Give full particulars concerning inactive connections: customer owned service connections												

(a)	Collecting Mains				Force Mains								
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
Size (inches)	10	12	6	Unknown	10	12	6	8	10	8	Unknown		
Type of Main (CI, VCP, etc.)	Clay	Clay	Clay	Unknown	Clay	Clay	Clay	Clay	PVC	PVC	Unknown		
Length of Pipe (round to nearest foot)													
Beginning of Year	2,023	1,619	38	3,215	17	25	1	676	18	53	47		
Added During the Year	-												
Retired During the Year	-												
End of the Year	2,023	1,619	38	3,215	17	25	1	676	18	53	47		
Size (inches)	8	10	8										
Type of Main (CI, VCP, etc.)	Clay	PVC	PVC										
Length of Pipe (round to nearest foot)													
Beginning of Year	46,642	216	13,472										
Added During the Year	3,795												
Retired During the Year	3,795												
End of the Year	46,642	216	13,472										
<b>Manholes:</b>													
Size													
Construction Material													
Number													
Beginning of Year	1												
Added During the Year	5												
Retired During the Year	-												
End of the Year	6												

**SEWER INFORMATION Maplewood Operations**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station	Lift Station #1	Lift Station #2		
Make or Type and Nameplate Data of Pump(s)	Smith and Loveless	Smith and Loveless		
Year Installed	1975	1977		
Rate Capacity (gpm)	100 gpm	210 gpm		
Size	5 HP	7 1/2 HP		
How Driven?	1,170/230 V	1760/208 V		
	Electric	Electric		
Give nameplate data of motor:				
What preventative maintenance is given pumping equipment?				
Cleaning and removal of all debris, also lubricate bearings and replace seals as needed.				
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year?				
Replace vacuum pump. Repaired vacuum primary system as needed.				

Service Connections									
Size (inches)	4"	6"							
Type (CI, VCP, etc.)	PVC	PVC							
Total Active Service Connections (by size):	374	3							
No. at Beginning of Year	374	3							
No. Added During the Year	-	-							
No. Retired During the Year	-	-							
No. at End of Year	374	3							
Give full particulars concerning inactive connections:									
We have 25 inactive connections.									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"	10"	12"				4"	6"	2"
Type of Main (CI, VCP, etc.)	Clay Tile	Clay Tile	Clay Tile				PVC	PVC	PVC
Length of Pipe (round to nearest foot)	25,400	2,000	300				1,325	1,475	210
Beginning of Year	25,400	2,000	300				1,325	1,475	210
Added During the Year	-	-	-				-	-	-
Retired During the Year	-	-	-				-	-	-
End of the Year	25,400	2,000	300				1,325	1,475	210
<u>Manholes</u>									
Size	48"								
Construction Material	Concrete								
Number	87								
Beginning of the Year	87								
Added During the Year	-								
Retired During the Year	-								
End of the Year	87								

**SEWER INFORMATION - Meramec Sewer**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station - N/A				
Make or Type and Nameplate Data of Pump(s)				
Year Installed N/A				
Rate Capacity (gpm)				
Size				
How Driven?				
Give nameplate data of motor:				
What preventative maintenance is given pumping equipment? N/A				
Are manufacturer's instructions adhered to? N/A                      Yes <input type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year?				

Service Connections Do not own									
Size (inches)									
Type (CI, VCP, etc.)									
Total Active Service Connections (by size):									
No. at Beginning of Year									
No. Added During the Year									
No. Retired During the Year									
No. at End of Year									
Give full particulars concerning inactive connections:									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"	8"	6"						
Type of Main (CI, VCP, etc.)	PVC	Clay	PVC						
Length of Pipe (round to nearest foot)									
Beginning of Year	25,672	2,510	152						
Added During the Year		550	-						
Retired During the Year		550							
End of the Year	25,672	2,510	152						
<u>Manholes</u>									
Size	48"								
Construction Material	Concrete								
Number									
Beginning of the Year	149								
Added During the Year	-								
Retired During the Year	-								
End of the Year	149								

**SEWER INFORMATION - Monsees Lake Estates Wastewater  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit					
	(b)	(c)	(d)	(e)	(f)	(g)
Location or Station - 6 lift stations						
Make or Type and Nameplate Data of Pump(s)						
Year Installed						
Rate Capacity (gpm)						
Size						
How Driven?						
Give nameplate data of motor:						
What preventative maintenance is given pumping equipment?						
Weekly routine maintenance check on each liftstation						
Are manufacturer's instructions adhered to? Yes <input type="checkbox"/> No <input type="checkbox"/>						
What, if any, repairs were accomplished on pumping equipment during the year?						
n/a						

Service Connections Do not own							
Size (inches)							
Type (CI, VCP, etc.)							
Total Active Service Connections (by size):							
No. at Beginning of Year							
No. Added During the Year							
No. Retired During the Year							
No. at End of Year							
Give full particulars concerning inactive connections:							

Collecting, Interceptor and Force Mains									
(a)	Gravity Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	6"								
Type of Main (CI, VCP, etc.)	VCP								
Length of Pipe (round to nearest foot)									
Beginning of Year									
Added During the Year	5,676								
Retired During the Year	-								
End of the Year	5,676								
<u>Manholes</u>									
Size									
Construction Material	Concrete								
Number	-								
Beginning of the Year	-								
Added During the Year	18								
Retired During the Year	-								
End of the Year	18								



**SEWER INFORMATION - Orrick Wastewater  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit					
	(b)	(c)	(d)	(e)	(f)	(g)
Location or Station - 6 lift stations						
Make or Type and Nameplate Data of Pump(s)						
Year Installed						
Rate Capacity (gpm)						
Size						
How Driven?						
Give nameplate data of motor:						
What preventative maintenance is given pumping equipment?						
Weekly routine maintenance check on each liftstation						
Are manufacturer's instructions adhered to? Yes <input type="checkbox"/> No <input type="checkbox"/>						
What, if any, repairs were accomplished on pumping equipment during the year?						
n/a						

Service Connections Do not own							
Size (inches)							
Type (CI, VCP, etc.)							
Total Active Service Connections (by size):							
No. at Beginning of Year							
No. Added During the Year							
No. Retired During the Year							
No. at End of Year							
Give full particulars concerning inactive connections:							

Collecting, Interceptor and Force Mains									
(a)	Gravity			Force Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"	8"					6"		
Type of Main (CI, VCP, etc.)	Clay	PVC					CI		
Length of Pipe (round to nearest foot)							-		
Beginning of Year	-						-		
Added During the Year	34,200	454					7,335		
Retired During the Year	454	-					-		
End of the Year	33,746	454					7,335		
<u>Manholes</u>									
Size									
Construction Material									
Number	-								
Beginning of the Year	-								
Added During the Year	94								
Retired During the Year	-								
End of the Year	94								

**SEWER INFORMATION OZARK MEADOWS OPERATIONS  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station	N/A			
Make or Type and Nameplate Data of Pump(s)				
Year Installed	N/A			
Rate Capacity (gpm)	N/A			
Size	N/A			
How Driven?	N/A			
Give nameplate data of motor: N/A				
What preventative maintenance is given pumping equipment? This is gravity feed collection system.				
Are manufacturer's instructions adhered to? Yes <input type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year? N/A				

Service Connections Do not own-Remove									
Size (inches)	4"								
Type (CI, VCP, etc.)	PVC								
Total Active Service Connections (by size):	-								
No. at Beginning of Year	25								
No. Added During the Year	-								
No. Retired During the Year	25								
No. at End of Year	-								
Give full particulars concerning inactive connections: NA									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"								
Type of Main (CI, VCP, etc.)	PVC								
Length of Pipe (round to nearest foot)	3,500								
Beginning of Year	3,500								
Added During the Year	-								
Retired During the Year	-								
End of the Year	3,500								
<i>Manholes</i>									
Size	48"								
Construction Material	Concrete								
Number	19								
Beginning of the Year	19								
Added During the Year	-								
Retired During the Year	-								
End of the Year	19								

**SEWER INFORMATION PARKVILLE**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station Make or Type and Nameplate Data of Pump(s)				
	N/A			
Year Installed				
Rate Capacity (gpm)	N/A			
Size				
How Driven?				
Give nameplate data of motor:	N/A			
What preventative maintenance is given pumping equipment?				
Are manufacturer's instructions adhered to?	N/A	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
What, if any, repairs were accomplished on pumping equipment? N/A				

Service Connections									
Size (inches)	4"								
Type (CI, VCP, etc.)	VCP								
Total Active Service Connections (by size):	101								
No. at Beginning of Year	101								
No. Added During the Year	-								
No. Retired During the Year	-								
No. at End of Year	101	-	-	-	-	-	-	-	-
Give full particulars concerning inactive connections:									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"	8"	8"	10"					
Type of Main (CI, VCP, etc.)	VCP	CIP	PVC	PVC					
Length of Pipe (round to nearest foot)	4,840	291	209	289					
Beginning of Year	4,840	291	209	289					
Added During the Year	-	-	-	-					
Retired During the Year	-	-	-	-					
End of the Year	4,840	291	209	289	-	-	-	-	-
<u>Manholes</u>									
Size	48"								
Construction Material	Concrete								
Number	28								
Beginning of the Year	28								
Added During the Year	-								
Retired During the Year	-								
End of the Year	28								

**SEWER INFORMATION MERAMAC DISTRICT-Pevely Farms  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	(b)	(c)	(d)	(e)	(f)	(d)	(e)
	Location or Station: Pevely Farms Lift Station and Waste Water Plant Make or Type and Nameplate Data of Pump(s)	LE70 Liberty	LE70 Liberty	Marathon Blower Motor	Marathon Blower Motor	Sutorbuilt Blower	Sutorbuilt Blower
Year Installed	2016	2016	unknown	unknown	2018	unknown	
Rate Capacity (gpm)	unknown	unknown	1770 RPM	1770 RPM	2350 Max rpm	2350 Max rpm	
Size	8.7 HP	6.7 HP	25 HP	25 HP	6M	6M	
How Driven?	Floats	Floats	Hard Stop	Hard Stop	Belt	Belt	
Give nameplate data of motor:			460v / 3 ph	460v / 3 ph			
What preventative maintenance is given pumping equipment? Sutorbuilt							
Are manufacturer's instructions adhered to?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>					
What, if any, repairs were accomplished on pumping equipment during the year? None							

Service Connections Do not own													
Size (inches)													
Type (CI, VCP, etc.)													
Total Active Service Connections (by size):													
No. at Beginning of Year													
No. Added During the Year													
No. Retired During the Year													
No. at End of Year													
Give full particulars concerning inactive connections:													

(a)	Collecting, Interceptor and Force Mains												
	Collecting Mains			Interceptor Mains						Force Mains			
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
Size (inches)	2 & 3									2 & 3			
Type of Main (CI, VCP, etc.)	PVC									PVC			
Length of Pipe (round to nearest foot)	2,462									14,228			
Beginning of Year	2,462									14,228			
Added During the Year	-									-			
Retired During the Year	-									-			
End of the Year	2,462									14,228			
<u>Manholes</u>													
Size													
Construction Material													
Number													
Beginning of the Year	6												
Added During the Year	-												
Retired During the Year	-												
End of the Year	6												

**SEWER INFORMATION - Purcell Wastewater**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit					
	(b)	(c)	(d)	(e)	(f)	(g)
Location or Station - 6 lift stations						
Make or Type and Nameplate Data of Pump(s)						
Year Installed						
Rate Capacity (gpm)						
Size						
How Driven?						
Give nameplate data of motor:						
What preventative maintenance is given pumping equipment?						
Weekly routine maintenance check on each liftstation						
Are manufacturer's instructions adhered to? Yes <input type="checkbox"/> No <input type="checkbox"/>						
What, if any, repairs were accomplished on pumping equipment during the year?						
n/a						

Service Connections Do not own									
Size (inches)									
Type (CI, VCP, etc.)									
Total Active Service Connections (by size):									
No. at Beginning of Year									
No. Added During the Year									
No. Retired During the Year									
No. at End of Year									
Give full particulars concerning inactive connections:									

Collecting, Interceptor and Force Mains									
(a)	Gravity						Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"						4"	2"	1.25"
Type of Main (CI, VCP, etc.)	PVC						PVC	PVC	PVC
Length of Pipe (round to nearest foot)							-	-	-
Beginning of Year							-	-	-
Added During the Year	26,806						1,276	540	1,910
Retired During the Year	-						-	-	-
End of the Year	26,806						1,276	540	1,910
<u>Manholes</u>									
Size									
Construction Material	Concrete								
Number	-								
Beginning of the Year	-								
Added During the Year	110								
Retired During the Year	-								
End of the Year	110								

**SEWER INFORMATION MERAMAC DISTRICT-Radcliffe Estates  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	(b)	(c)	(d)	(e)	(f)	(d)	(e)
	Location or Station: Radcliffe Estates Lift Station and Waste Water Plant Make or Type and Nameplate Data of Pump(s)	Lift Station		Treatment Plant			
Year Installed	Howa submersible Pump	Howa submersible Pump	Blower Motor	Blower Motor	Blower	Sutorbuilt	Sutorbuilt
Rate Capacity (gpm)	2018	2018	2018	unknown	2350 Max rpm	2350 Max rpm	
Size	3450 RPM	3450 RPM	1770 RPM	1770 RPM			
How Driven?	8.9	8.9	25 HP	25 HP	6M	6M	
Give nameplate data of motor:	Floats (VFD)	Floats (VFD)	Hard Stop	Hard Stop	Belt	Belt	
	230v 3 ph	230v 3 ph	460v / 3 ph	460v / 3 ph			
What preventative maintenance is given pumping equipment? Sutorbuilt: oil change, new air filter and grease Howa: Oil Changes	oil changes, new air filters and grease						
Are manufacturer's instructions adhered to?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>					
What, if any, repairs were accomplished on pumping equipment during the year? None							

Service Connections							
Size (inches)	1.5						
Type (Cl, VCP, etc.)	PVC						
Total Active Service Connections (by size):							
No. at Beginning of Year	129						
No. Added During the Year	1						
No. Retired During the Year	1						
No. at End of Year	129						
Give full particulars concerning inactive connections:							

(a)	Interceptor Mains			Forced Mains					Collection Mains				
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
Size (inches)				2 & 3	4	5	8		2 & 3	4	5	8	
Type of Main (Cl, VCP, etc.)				PVC	PVC	PVC	PVC		PVC	PVC	PVC	PVC	
Length of Pipe (round to nearest foot)													
Beginning of Year				688	149	23	55		79	20	3	7	
Added During the Year				-	-	-	-		-	-	-	-	
Retired During the Year				-	-	-	-		-	-	-	-	
End of the Year				688	149	23	55		79	20	3	7	
<u>Manholes</u>													
Size													
Construction Material													
Number													
Beginning of the Year	24												
Added During the Year	-												
Retired During the Year	-												
End of the Year	24												

**SEWER INFORMATION ROGUE CREEK  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	(b)	(c)	(d)	(e)	(f)	(d)	(e)
Location or Station Make or Type and Nameplate Data of Pump(s)	Dresser	Sutorbilt3L					
Year Installed	1972	2019					
Rate Capacity (gpm)							
Size		7.5hp					
How Driven?	electric	electric					
Give nameplate data of motor: Dresser 7.5 hp, 3530 rpm electric motor,							
What preventative maintenance is given pumping equipment? floats are tested, pumped cleaned, electric leads tested							
Are manufacturer's instructions adhered to?                      Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
What, if any, repairs were accomplished on pumping equipment during the year? None							

Service Connections Do not own												
Size (Inches)	4"											
Type (Cl, VCP, etc.)	PVC											
Total Active Service Connections (by size):												
No. at Beginning of Year	129											
No. Added During the Year	-											
No. Retired During the Year	129											
No. at End of Year	-											
Give full particulars concerning inactive connections:												

Collecting, Interceptor and Force Mains													
(a)	Gravity Mains						Force Mains						
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
Size (Inches)	8"	4"	8"	12"	3"	6"				3"	2"		
Type of Main (Cl, VCP, etc.)	PVC	PVC	DI	DI	DI	Clay				PVC	PVC		
Beginning of Year	19,003	75	20	-	-	-				-	-		
Added During the Year	5,432	15	35	9	24	600				1,738	-		
Retired During the Year	5,000	686	-	-	-	-				-	1,667		
End of the Year	19,435	(596)	55	9	24	600				1,738	(1,667)		
<b>Manholes</b>													
Size	42"												
Construction Material	Concrete												
Number	-												
Beginning of the Year	18												
Added During the Year	34												
Retired During the Year	7												
End of the Year	45												

**SEWER INFORMATION SADDLEBROOKE OPERATIONS - Tri County District**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station	N/A			
Make or Type and Nameplate Data of Pump(s)				
Year Installed	N/A			
Rate Capacity (gpm)	N/A			
Size	N/A			
How Driven?	N/A			
Give nameplate data of motor: N/A				
What preventative maintenance is given pumping equipment? This is gravity feed collection system.				
Are manufacturer's instructions adhered to? Yes <input type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year? N/A				

Service Connections									
Size (inches)									
Type (CI, VCP, etc.)									
Total Active Service Connections (by size):									
No. at Beginning of Year	-								
No. Added During the Year	154								
No. Retired During the Year	-								
No. at End of Year	154								
Give full particulars concerning inactive connections: further investigation-in 2017 services were removed due to investigation of not owning them. In 2022 new investigation revealed MOAM owned the service.									

Collecting, Interceptor and Force Mains									
(a)	Force Main			Interceptor Mains			Collecting Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	2"								
Type of Main (CI, VCP, etc.)	PVC								
Length of Pipe (round to nearest foot)	-								
Beginning of Year	700								
Added During the Year	-								
Retired During the Year	-								
End of the Year	700								
<i>Manholes</i>									
Size									
Construction Material									
Number									
Beginning of the Year									
Added During the Year									
Retired During the Year									
End of the Year									



**SEWER INFORMATION STONEBRIDGE/ROARK OPERATIONS - Tri County District  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station	Lot 103 Silver Cliff Way	Fairways	Forest Lake	Lot 101 Silver Oak
Make or Type and Nameplate Data of Pump(s)	Smith & Loveless	Smith & Loveless	Myers	Hydromatic Duplex
Year Installed				
Rate Capacity (gpm)	225 gpm	118 gpm	92.5 gpm	239 gpm
Size	15 HP	3 HP	10 HP	7.5 HP
How Driven?				
Give nameplate data of motor:				
What preventative maintenance is given pumping equipment?				
Routine check				
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year?				

Service Connections									
Size (inches)	1-1/4"								
Type (CI, VCP, etc.)	PVC								
Total Active Service Connections (by size):	0								
No. at Beginning of Year	741								
No. Added During the Year	6								
No. Retired During the Year	-								
No. at End of Year	747								
Give full particulars concerning inactive connections:									

(a)	Collecting, Interceptor and Force Mains								
	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	2	2.5							
Type of Main (CI, VCP, etc.)	PVC	PVC							
Length of Pipe (round to nearest foot)	2,934	15,289							
Beginning of Year	2,934	15,289							
Added During the Year	-	-							
Retired During the Year	-	-							
End of the Year	2,934	15,289							
<b>Manholes</b>									
Size									
Construction Material									
Number									
Beginning of the Year									
Added During the Year									
Retired During the Year									
End of the Year									



Location of Liftstation	Make or Type and nameplate data of pump	Year Installed	Rate Capacity GPM	Size	How Driven	Give Nameplate data of	What preventative maintenance is given pumping equipment	Are manufacturer's instructions adhered to?	What, if any, repairs on pumping
Taos LS/Sunrise Meadows #1	Gorman Rupp	2013	unknown	25HP	Suction	unknown	Cleaning & removal of all debris,	YES	replaced motors, volutes and impellar
Taos LS/Edwards St #2	HCP	2013	unknown	6HP	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Taos LS/Hwy M #3	Gorman Rupp	2013	unknown	25HP	Suction	unknown	Cleaning & removal of all debris,	YES	None
Taos LS/Westlane #4	HCP	2013	unknown	6HP	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Taos LS/Dove Lake Rd #5	HCP	2013	unknown	6HP	Submersible	unknown	Cleaning & removal of all debris,	YES	None
Taos LS/Dove Lake Ln #6	ABS	unknown	unknown	2.3HP	Submersible	S2/W18	Cleaning & removal of all debris,	YES	None
Taos LS/201A	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	replaced pump
Taos LS/202	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	replaced pump
Taos LS/203	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	replaced pump
Taos LS/204	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	replaced pump
Taos LS/206	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	replaced pump
Taos LS/207A	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	None
Taos LS/208	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	None
Taos LS/209A	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	None
Taos LS/210	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	None
Taos LS/211A	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	None
Taos LS/212	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	None
Taos LS/213	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	None
Taos LS/214	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	None
Taos LS/215	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	None
Taos LS/216	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	None
Taos LS/Twehous 217	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	None
Taos LS/250	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	None
Taos LS/251	E-One	2013	unknown	2HP	Submersible	U Series	Cleaning & removal of all debris,	YES	None

Report of: Taos Wastewater - Pg S-9 Attachment

Missouri American Water Company										
For the Calendar Year ending December 31, 2022										
Sewer Mains										
Size	Taos Collecting Mains						Force Main			
	4"	6"	6"	6"	6"	8"	1 1/4"	2"	4"	1 1/4"
Type	SDR	CIPP	SDR21	SDR35	VCP	CIPP	SDR21	SDR21	SDR21	Copper
Beginning of Year	-	-	-	-	-	-	-	-	-	-
Added During the Year	17,290	408	966	8,187	-	2,638	5,661	3,447	28,117	190
Retired During the Year	-	-	-	-	-	-	-	-	-	-
End of Year	17,290	408	966	8,187	-	2,638	5,661	3,447	28,117	190
Size	8"	8"	8"	8"	12"					
Type	DIP	SDR21	SDR35	VCP	SDR21					
Beginning of Year	-	-	-	-	-					
Added During the Year	39	3,002	40,271	6,704	165					
Retired During the Year	-	-	-	-	-					
End of Year	39	3,002	40,271	6,704	165					

**SEWER INFORMATION -Timber Springs Wastewater  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit			
	(b)	(c)	(d)	(e)
Location or Station Make or Type and Nameplate Data of Pump(s)	Trimble Mo. air/blower pumps			
Year Installed	Roots U-RA1	Roots U-RA1	Roots 36 U-RA1	
Rate Capacity (gpm)	unknown	unknown	spare/on shelf	
Size	air	air	air	
Give nameplate data of motor:	Baldor	5hp	230 V	1725 RPM
	Baldor	5hp	230 V	1725 RPM
	Weg	5hp	208-230 V	1750 RPM
What preventative maintenance is given pumping equipment? Grease Weekly				
Are manufacturer's instructions adhered to? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
What, if any, repairs were accomplished on pumping equipment during the year?				

Service Connections Do not own									
Size (inches)									
Type (CI, VCP, etc.)									
Total Active Service Connections (by size):									
No. at Beginning of Year									
No. Added During the Year									
No. Retired During the Year									
No. at End of Year									
Give full particulars concerning inactive connections: There are 3 uninhabitable lots (lot w/ well house, wastewater plant and one privately owned lot with small swimming pool on it).									

Collecting, Interceptor and Force Mains									
(a)	Forced Mains			Interceptor Mains			Gravity Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	2	2.5	3						
Type of Main (CI, VCP, etc.)	PVC	PVC	PVC						
Length of Pipe (round to nearest foot)									
Beginning of Year									
Added During the Year	2,575	2,467	4,325						
Retired During the Year	-	-	-						
End of the Year	2,575	2,467	4,325						
<u>Manholes</u>									
Size	NONE								
Construction Material									
Number									
Beginning of the Year									
Added During the Year									
Retired During the Year									
End of the Year									

**SEWER INFORMATION Trimble**  
**PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit							
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
Location or Station Make or Type and Nameplate Data of Pump(s)	HWY 169	HWY 169	Wohlford	Wohlford	Cape Cod West	Cape Cod West	Cape Cod East	Cape Cod East
Year Installed	1995	1995	Unknown	Unknown	2021	2021	2021	2021
Rate Capacity (gpm)								
Size	10 HP	10 HP	3 HP	3 HP	2 HP	2 HP	2 HP	2 HP
How Driven?	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
Give nameplate data of motor:								
What preventative maintenance is given pumping equipment? Grease Weekly and monitored 5 days a week from SCADA								
Are manufacturer's instructions adhered to?                      Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								
What, if any, repairs were accomplished on pumping equipment during the year?								

Service Connections Do not own services									
Size (inches)									
Type (CI, VCP, etc.)									
Total Active Service Connections (by size):									
No. at Beginning of Year									
No. Added During the Year									
No. Retired During the Year									
No. at End of Year									
Give full particulars concerning inactive connections:									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8						2"	1.25"	6"
Type of Main (CI, VCP, etc.)	PVC						PVC	PVC	PVC
Length of Pipe (round to nearest foot)									
Beginning of Year									
Added During the Year	25,400						3,100	600	6,500
Retired During the Year	-						-	-	-
End of the Year	25,400						3,100	600	6,500
<b>Manholes</b>									
Size	4'								
Construction Material	conc.								
Number									
Beginning of the Year									
Added During the Year	110								
Retired During the Year	-								
End of the Year	110								

**SEWER INFORMATION WARDSVILLE  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	(b)	(c)	(d)	(e)	(f)	(d)	(e)
See attachment							
Location or Station Make or Type and Nameplate Data of Pump(s)							
Year Installed							
Rate Capacity (gpm)							
Size							
How Driven?							
Give nameplate data of motor:							
What preventative maintenance is given pumping equipment?							
Are manufacturer's instructions adhered to?                      Yes <input type="checkbox"/> No <input type="checkbox"/>							
What, if any, repairs were accomplished on pumping equipment during the year? None							

Service Connections Does not own												
Size (inches)												
Type (Cl, VCP, etc.)												
Total Active Service Connections (by size):												
No. at Beginning of Year												
No. Added During the Year												
No. Retired During the Year												
No. at End of Year												
Give full particulars concerning inactive connections:												

Collecting, Interceptor and Force Mains													
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
Size (inches)	6	6	4	8						6	8	2	
Type of Main (Cl, VCP, etc.)	Clay	PVC	PVC	PVC						Clay	Clay	PVC	
Length of Pipe (round to nearest foot)													
Beginning of Year	9,135	33,505	4,325	-						4,880	1,175	83,440	
Added During the Year	-	-	-	2,793						-	-	-	
Retired During the Year	-	-	-	2,615						-	-	-	
End of the Year	9,135	33,505	4,325	178						4,880	1,175	83,440	
Size (inches)													
Type of Main (Cl, VCP, etc.)													
Length of Pipe (round to nearest foot)													
Beginning of Year													
Added During the Year													
Retired During the Year													
End of the Year													
<b>Manholes</b>													
Size	48"	48"											
Construction Material	Concrete	Brick											
Number	1,000	1											
Beginning of the Year	1,000	1											
Added During the Year	1	-											
Retired During the Year	-	-											
End of the Year	1,000	1											





**SEWER INFORMATION WARREN COUNTY  
PUMPING EQUIPMENT, SERVICE CONNECTIONS, COLLECTING, INTERCEPTOR, FORCE MAINS AND MANHOLES**

Pumping Equipment (a)	Unit						
	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Location or Station	Golf Course	Plant #2	Boat Dock	Shady Oaks	Woodchuck	Grinder Pumps	Grinder Pumps
Make or Type and Nameplate Data of Pump(s)	Barnes	Gould	Barnes	Barnes	Gould	Barnes	unknown
Year Installed	2 pumps	2 pumps	2 pumps	2 pumps	1 pump	30 pumps	70 pumps
Rate Capacity (gpm)	2008	1983	2005	2005	2005	2007-2008	1981-1990
Size	5 HP	5 HP	5 HP	5 HP	2 HP	1 & 2 HP	1 & 2 HP
How Driven?	floats	floats	floats	floats	floats	floats	floats
Give nameplate data of motor:							
What preventative maintenance is given pumping equipment?							
All lift stations listed above with the exception of Grinder Pumps were inspected by an outside contractor.							
Are manufacturer's instructions adhered to?                      Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							
What, if any, repairs were accomplished on pumping equipment during the year?							
Plant #2 and Shady Oaks lift station pumps were removed and cleaned							

Service Connections									
Size (inches)	4"-6"								
Type (CI, VCP, etc.)									
Total Active Service Connections (by size):									
No. at Beginning of Year	503								
No. Added During the Year									
No. Retired During the Year	348								
No. at End of Year	155								
Give full particulars concerning inactive connections:									

Collecting, Interceptor and Force Mains									
(a)	Collecting Mains			Interceptor Mains			Force Mains		
	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
Size (inches)	8"							2"	
Type of Main (CI, VCP, etc.)	PVC							PVC	
Length of Pipe (round to nearest foot)	0							0	
Beginning of Year	48,569							13,425	
Added During the Year	3,260							-	
Retired During the Year	-							-	
End of the Year	51,829							13,425	
<b>Manholes</b>									
Size									
Construction Material	Concrete								
Number	220								
Beginning of the Year	220								
Added During the Year	15								
Retired During the Year	-								
End of the Year	235								

## **"W" SECTION**

**WATER OPERATING REVENUES**

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

Particulars (a)	Acct. No. (b)	Current Year			Last Year			Increase (Decrease) (i)
		Average No. of Customers (c)	Gallons of Water Sold (d)	Amounts (e)	Average No. of Customers (f)	Gallons of Water Sold (g)	Amounts (h)	
<u>Operating Revenues</u>								
Unmetered Sales to General Customers:								
Unmetered Sales to Residential Customers	460.1	188		\$ 164,330	257		\$ 158,905	\$ 5,425
Unmetered Sales to Commercial Customers	460.2							\$ -
Unmetered Sales to Industrial Customers	460.3							\$ -
Unmetered Sales to Public Authorities	460.4							\$ -
Total Unmetered Sales to General Customers	460	188	-	\$ 164,330	257	-	\$ 158,905	\$ (5,425)
Metered Sales to General Customers:								
Metered Sales to Residential Customers	461.1	437,306	30,755,238,111	\$ 244,102,673	434,812	29,820,907,817	\$ 225,284,152	\$ 18,818,521
Metered Sales to Commercial Customers	461.2	26,571	11,083,604,781	\$ 75,868,805	26,232	10,567,095,230	\$ 67,634,026	\$ 8,234,779
Metered Sales to Industrial Customers	461.3	240	6,241,591,722	\$ 15,911,234	248	6,099,461,210	\$ 14,619,377	\$ 1,291,857
Metered Sales to Public Authorities	461.4							\$ -
Total Metered Sales to General Customers	461	464,117	48,080,434,614	\$ 335,882,712	461,292	46,487,464,257	\$ 307,537,555	\$ (28,345,158)
Private Fire Protection Service	462	10,076	62,641,324	\$ 5,067,023	9,859	55,156,732	\$ 5,219,847	\$ (152,825)
Public Fire Protection Service	463	-	-	\$ -	-	-	\$ -	\$ -
Other Sales to Public Authorities	464	1,944	1,317,302,648	\$ 8,682,338	1,958	1,183,727,212	\$ 7,337,775	\$ 1,344,562
Sales to Irrigation Customers	465							\$ -
Sales for Resale	466	27	5,111,748,000	\$ 11,877,036	27	5,405,438,568	\$ 11,816,195	\$ 60,841
Interdepartmental Sales	467			\$ -			\$ -	\$ -
Total Sales of Water		476,352	54,572,126,586	\$ 361,673,438	473,394	53,131,786,769	\$ 332,070,277	\$ (27,098,004)
<u>Other Operating Revenues</u>								
Forfeited Discounts	470			\$ 914,370			\$ 1,089,384	\$ (175,014)
Miscellaneous Service Revenues	471			\$ 2,914,542			\$ 2,913,235	\$ 1,307
Rents from Water Property	472			\$ 818,020			\$ 833,927	\$ (15,907)
Interdepartmental Rents	473							\$ -
Other Water Revenues	474			\$ 140,641			\$ 140,807	\$ (166)
Total Other Operating Revenues		-	-	\$ 4,787,572	-	-	\$ 4,977,352	\$ 189,780
Total Water Operating Revenues		476,352	54,572,126,586	\$ 366,461,010	473,394	53,131,786,769	\$ 337,047,629	\$ (26,908,224)
				(Total to Pg. F-13)				
Comment(s)								

Indicates link to another worksheet within workbook.  
Indicates formula cell.

**SALES OF WATER - BY COMMUNITIES**

1. Report below the information called for concerning sales of water by the respondent in each community (incorporated or unincorporated) served at any time during the year. For unmeasured sales, report the best estimates available.  
 2. The information to be shown below should be on the same basis as provided in Water Operating Revenues.

Community (a)	Metered Sales to General Customers (Account 461)			Unmetered Sales to General Customers (Account 460)			Total		
	Operating Revenues (b)	Gallons Sold (000 Omitted) (c)	Average No. of Customers (d)	Operating Revenues (e)	Gallons Sold (000 Omitted) (f)	Average No. of Customers (g)	Operating Revenues (h)	Gallons Sold (000 Omitted) (i)	Average No. of Customers (j)
Corporate 1701	\$ -	-	-				\$ -	\$ -	\$ -
St. Louis County 1702 (includes Eureka)	\$ 246,591,274	34,458,127					\$ 246,591,274	\$ 34,458,127	\$ -
St. Joseph 1703	\$ 22,386,578	4,244,978					\$ 22,386,578	\$ 4,244,978	\$ -
Parkville 1704	\$ 6,289,102	921,996					\$ 6,289,102	\$ 921,996	\$ -
Warrensburg 1706	\$ 4,430,045	565,281					\$ 4,430,045	\$ 565,281	\$ -
Brunswick 1708	\$ 147,330	15,723					\$ 147,330	\$ 15,723	\$ -
St. Charles 1709	\$ 19,664,095	2,447,115					\$ 19,664,095	\$ 2,447,115	\$ -
Mexico 1710	\$ 2,505,756	330,625					\$ 2,505,756	\$ 330,625	\$ -
Joplin 1711	\$ 21,871,931	3,594,124					\$ 21,871,931	\$ 3,594,124	\$ -
Jefferson City 1712	\$ 6,599,052	873,886					\$ 6,599,052	\$ 873,886	\$ -
Lake Carmel 1716	\$ 27,285	3,049		\$ 81,607			\$ 27,285	\$ 3,049	\$ -
Whitebranch 1723							\$ 81,607	\$ -	\$ -
Maplewood 1724	\$ 199,359	27,420					\$ 199,359	\$ 27,420	\$ -
Tri-State 1733	\$ (426)						\$ (426)	\$ -	\$ -
Anna Meadows 1736	\$ 74,602	8,764					\$ 74,602	\$ 8,764	\$ -
Redfield 1741	\$ 32,245	4,040					\$ 32,245	\$ 4,040	\$ -
Jaxson Estate 1742	\$ 76,293	8,686					\$ 76,293	\$ 8,686	\$ -
Hickory Hills 1743	\$ 23,206	2,697					\$ 23,206	\$ 2,697	\$ -
Woodland Manor 1745	\$ -	-					\$ -	\$ -	\$ -
Wardville 1747	\$ 302,779	37,235					\$ 302,779	\$ 37,235	\$ -
Rogue Creek 1749	\$ 26,752	2,756					\$ 26,752	\$ 2,756	\$ -
Pevely Farms 1751	\$ 179,853	23,577					\$ 179,853	\$ 23,577	\$ -
Lawson 1753	\$ 437,425	49,473					\$ 437,425	\$ 49,473	\$ -
Branson Metro Water 1755	\$ 3,539,551	419,331					\$ 3,539,551	\$ 419,331	\$ -
Garden City 1761	\$ 262,974	27,225					\$ 262,974	\$ 27,225	\$ -
Orick 1763	\$ 120,773	12,895					\$ 120,773	\$ 12,895	\$ -
Purcell 1765	\$ 13,270	1,431					\$ 13,270	\$ 1,431	\$ -
	\$ -	-					\$ -	\$ -	\$ -
	\$ -	-					\$ -	\$ -	\$ -
	\$ -	-					\$ -	\$ -	\$ -
<b>Total</b>	<b>\$ 335,801,108</b>	<b>\$ 48,080,435</b>	<b>\$ -</b>	<b>\$ 81,607</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 335,882,712</b>	<b>\$ 48,080,435</b>	<b>\$ -</b>

Community (a)	Private Fire Protection Service (Account 462)			Public Fire Protection Service (Account 463)			Total		
	Operating Revenues (b)	Gallons Sold (000 Omitted) (c)	Average No. of Customers (d)	Operating Revenues (e)	Gallons Sold (000 Omitted) (f)	Average No. of Customers (g)	Operating Revenues (h)	Gallons Sold (000 Omitted) (i)	Average No. of Customers (j)
St. Louis County 1702	\$ 3,621,021	57,760	7,460				\$ 3,621,021	\$ 57,760	7,460
St. Joseph 1703	\$ 410,274	1,716	782				\$ 410,274	\$ 1,716	782
Parkville 1704	\$ 98,734	210	181				\$ 98,734	\$ 210	181
Warrensburg 1706	\$ 93,793	949	225				\$ 93,793	\$ 949	225
Brunswick 1708	\$ 644	-	1				\$ 644	\$ -	1
St. Charles 1709	\$ 165,408	83	229				\$ 165,408	\$ 83	229
Mexico 1710	\$ 69,089	216	112				\$ 69,089	\$ 216	112
Joplin 1711	\$ 477,704	1,154	837				\$ 477,704	\$ 1,154	837
Jefferson City 1712	\$ 123,101	88	225				\$ 123,101	\$ 88	225
Stonebridge/Maplewood/Riverside 1724	\$ 286	-	1				\$ 286	\$ -	1
Tri-State 1733	\$ -	-	-				\$ -	\$ -	-
Emerald Pointe 1734	\$ -	-	-				\$ -	\$ -	-
Wardville 1747	\$ 931	-	3				\$ 931	\$ -	3
Lawson 1753	\$ 644	-	2				\$ 644	\$ -	2
Branson Metro Water 1755	\$ 5,394	466	11				\$ 5,394	\$ 466	11
Eureka 1702 (revenues & usage included in St. Louis County 1702 above)	\$ -	-	8				\$ -	\$ -	8
	\$ -	-	-				\$ -	\$ -	-
	\$ -	-	-				\$ -	\$ -	-
	\$ -	-	-				\$ -	\$ -	-
	\$ -	-	-				\$ -	\$ -	-
	\$ -	-	-				\$ -	\$ -	-
	\$ -	-	-				\$ -	\$ -	-
	\$ -	-	-				\$ -	\$ -	-
	\$ -	-	-				\$ -	\$ -	-
	\$ -	-	-				\$ -	\$ -	-
	\$ -	-	-				\$ -	\$ -	-
	\$ -	-	-				\$ -	\$ -	-
	\$ -	-	-				\$ -	\$ -	-
<b>Total</b>	<b>\$ 5,067,023</b>	<b>\$ 62,841</b>	<b>10,076</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,067,023</b>	<b>\$ 62,841</b>	<b>10,076</b>

**SALES FOR RESALE (ACCOUNT 466)**

1. Report below the information specified concerning water sold during the year to other water utilities or to public authorities for distribution to ultimate consumers. For unmeasured sales, report the best estimates available.  
 2. The quantities reported should be those shown by the bill rendered to the purchasers

Company Name  
Missouri American Water Company

	Name of Other Water Utility (a)	Associated Utilities (b)	Non-Associated Utilities (c)	Municipalities (d)	Sales Within State Boundaries (e)	Export Across State Lines (f)
1	SEE ATTACHMENTS					
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
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21						
22						
23						
24						
25						

	Name of Other Water Utility (a)	Point of Delivery (g)	Pressure at Point of Delivery (h)	Gallons Sold (000 Omitted) (i)	Revenue (j)	Revenue Per M. Gallons (k)
1	SEE ATTACHMENTS					
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
Total				5,111,748	\$ 11,877,036	
				(Total to Pg. W-1) 5,111,748	\$ (Total to Pg. W-1) 11,877,036.00	

For the calendar year of January 1 - December 31 2022

Indicates formula cell.

**SALES FOR RESALE (ACCOUNT 466)**

**BRUNSWICK OPERATIONS**

1. Report below the information specified concerning water sold during the year to other water utilities or to public authorities for distribution to ultimate consumers. For unmeasured sales, report the best estimates available.
2. The quantities reported should be those shown by the bill rendered to the purchasers.

Name of Other Water Utility (a)	Associated Utilities (b)	Non-Associated Utilities (c)	Municipalities (d)	Sales Within State Boundaries (e)	Export Across State Lines (f)
1 Chariton County Public Water Supply #2				Yes	No
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
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17					
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20					
21					
22					
23					
24					
25					

Name of Other Water Utility (a)	Point of Delivery (g)	Pressure at Point of Delivery (h)	Gallons Sold (000 Omitted) (i)	Revenue (j)	Revenue Per M. Gallons (k)
1 Chariton County Public Water Supply #2	Chariton County Water District #2, (System #1 and System #2)	100 PSI	24,534	\$ 148,315	\$ 6.05
2					
3 Unbilled Revenue Adjustment				\$ 217	
4					
5 DSIC				\$ 10	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
Total			24,534	\$ 148,542	
			(Total to Pg. W-1)	(Total to Pg. W-1)	

SALES FOR RESALE (ACCOUNT 466)

JOPLIN OPERATIONS

1. Report below the information specified concerning water sold during the year to other water utilities or to public authorities for distribution to ultimate consumers. For unmeasured sales, report the best estimates available.  
 2. The quantities reported should be those shown by the bill rendered to the purchasers.

Name of Other Water Utility (a)	Associated Utilities (b)	Non-Associated Utilities (c)	Municipalities (d)	Sales Within State Boundaries (e)	Export Across State Lines (f)
1 City of Galena, KS	NO	YES	Galena, KS	YES	The water is SOLD in Missouri. The customer takes it to Kansas.
2 City of Webb City, MO	NO	YES	Webb City	YES	NO
3 Jasper County, MO - Rural Water District #1	NO	YES	Jasper County 1	YES	NO
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

Name of Other Water Utility (a)	Point of Delivery (g)	Pressure at Point of Delivery (h)	Gallons Sold (000 Omitted) (i)	Revenue (j)	Revenue Per M. Gallons (k)
1 Galena, KS	Meter located at Galena Booster Station, 20th St & Stateline Rd., Joplin, MO 64804	~ 48 psi	144,837	\$ 380,299	\$ 2.63
2 City of Webb City, MO	Meter vault located near 324 Enterprise Ave., Webb City, MO 64801	~ 70 psi	72,884	\$ 193,582	\$ 2.66
3 Jasper County, MO - Rural Water District #1	-----	-----	75,781	\$ 206,210	\$ 2.72
4					
5 Unbilled Revenue Adjustment				\$ (43,437)	
6					
7					
8 DSIC				\$ 24,219	
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
Total			293,502	\$ 760,873	
			(Total to Pg. W-1)	(Total to Pg. W-1)	

SALES FOR RESALE (ACCOUNT 466)

MEXICO OPERATIONS

1. Report below the information specified concerning water sold during the year to other water utilities or to public authorities for distribution to ultimate consumers. For unmeasured sales, report the best estimates available.  
 2. The quantities reported should be those shown by the bill rendered to the purchasers.

Name of Other Water Utility (a)	Associated Utilities (b)	Non-Associated Utilities (c)	Municipalities (d)	Sales Within State Boundaries (e)	Export Across State Lines (f)
1 Audrain Public Water Supply District #1	1	X		X	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

Name of Other Water Utility (a)	Point of Delivery (g)	Pressure at Point of Delivery (h)	Gallons Sold (000 Omitted) (i)	Revenue (j)	Revenue Per M. Gallons (k)
1 Audrain Public Water Supply District #1	1 Audrain Public Water Supply District #1	55 - 65 psi	43,723	\$ 116,351	2.66
2					
3 DSIC				\$ 3,937	
4					
5 Unbilled Revenue Adjustment				\$ 2,022	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
Total			43,723	\$ 122,309	
			(Total to Pg. W-1)	(Total to Pg. W-1)	



**SALES FOR RESALE (ACCOUNT 466)**

**PARKVILLE OPERATIONS**

1. Report below the information specified concerning water sold during the year to other water utilities or to public authorities for distribution to ultimate consumers. For unmeasured sales, report the best estimates available.
2. The quantities reported should be those shown by the bill rendered to the purchasers.

Name of Other Water Utility (a)	Associated Utilities (b)	Non-Associated Utilities (c)	Municipalities (d)	Sales Within State Boundaries (e)	Export Across State Lines (f)
1 City of Lake Waukomis			X	X	
2 Public Water District #6		X		X	
3 KC Water Dept.			X	X	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

Name of Other Water Utility (a)	Point of Delivery (g)	Pressure at Point of Delivery (h)	Gallons Sold (000 Omitted) (i)	Revenue (j)	Revenue Per M. Gallons (k)
1 City of Lake Waukomis	Arbor Creek Lane and City Limits of Lake Waukomis	70 psi	17,023	\$ 45,443	\$ 2.67
2 Public Water District #6	Blair connection and Eastside connection	70 psi	43,082	\$ 114,556	\$ 2.68
3 KC Water Dept.	51st and Paradise	75 psi	0	\$ 1,369	
4					
5 Unbilled Revenue Adjustment				\$ 1,253	
6					
7 DSIC				\$ 6,005	
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
Total			80,105	\$ 168,626	
			(Total to Pg. W-1)	(Total to Pg. W-1)	

**SALES FOR RESALE (ACCOUNT 466)**

**ST. JOSEPH OPERATIONS**

1. Report below the information specified concerning water sold during the year to other water utilities or to public authorities for distribution to ultimate consumers. For unmeasured sales, report the best estimates available.  
 2. The quantities reported should be those shown by the bill rendered to the purchasers.

Name of Other Water Utility (a)	Associated Utilities (b)	Non-Associated Utilities (c)	Municipalities: (d)	Sales Within State Boundaries (e)	Export Across State Lines (f)
1 Public Water Supply District #1 - Andrew County		X		X	
2 Public Water Supply District #1 - Andrew County		X		X	
3 Public Water Supply District #1 - Andrew County		X		X	
4 Public Water Supply District #2 - Andrew County		X		X	
5 Public Water Supply District #2 - Andrew County		X		X	
6 Public Water Supply District #1 - Buchanan Cnty		X		X	
7 Public Water Supply District #1 - Buchanan Cnty		X		X	
8 Public Water Supply District #1 - Dekalb County		X		X	
9 Public Water Supply District #1 - Dekalb County		X		X	
10 City of Elwood			X	X	

Name of Other Water Utility (a)	Point of Delivery (g)	Pressure at Point of Delivery (h)	Gallons Sold (000 Omitted) (i)	Revenue (j)	Revenue Per M. Gallons (k)
1 Public Water Supply District #1 - Andrew County	Highway 71 & John Glenn Road	55 PSI	162,068	\$ 427,192	\$ 2.64
2 Public Water Supply District #1 - Andrew County	Andrew County Road & Amazonia	45 PSI	83,099	\$ 219,039	\$ -
3 Public Water Supply District #1 - Andrew County	Woodbine Road and Cook Road	87 PSI	444	\$ 2,134	\$ -
4					
5 Public Water Supply District #2 - Andrew County	Cook Road and 102 River	112 PSI	114,499	\$ 301,772	\$ 2.64
6 Public Water Supply District #2 - Andrew County	Highway 6 and Riverside Road	105 PSI	23,319	\$ 62,937	\$ 2.70
7					
8 Public Water Supply District #1 - Buchanan Cnty	Route U and Ingersol Road	130 PSI	5,555	\$ 15,520	\$ 2.79
9 Public Water Supply District #1 - Buchanan Cnty	Highway 59 and Parker Road	112 PSI	45,847	\$ 121,346	\$ 2.65
10					
11 Public Water Supply District #1 - Dekalb County	Mitchell Avenue	96 PSI	140,505	\$ 370,708	\$ 2.64
12 Public Water Supply District #1 - Dekalb County	South Highway 169 and City Limits	92 PSI	140,192	\$ 369,072	\$ 2.63
13					
14					
15					
16 City of Elwood	City of Elwood		212,361	\$ 561,598	\$ 2.64
17 DSIC				\$ 87,536	
18 unbilled Revenue Adjustment				\$ 35,214	
Total			927,888	\$ 2,574,068	
			(Total to Pg. W-1)	(Total to Pg. W-1)	

**SALES FOR RESALE (ACCOUNT 466)**

**ST LOUIS COUNTY OPERATIONS**

1. Report below the information specified concerning water sold during the year to other water utilities or to public authorities for distribution to ultimate consumers. For unmeasured sales, report the best estimates available.  
 2. The quantities reported should be those shown by the bill rendered to the purchasers.

Name of Other Water Utility (a)	Associated Utilities (b)	Non-Associated Utilities (c)	Municipalities (d)	Sales Within State Boundaries (e)	Export Across State Lines (f)
1 City of Kirkwood			X	X	
2 Public Water District #1 Jefferson County	X		X	X	
3 Public Water District #3 Jefferson County	X			X	
4 Public Water District #10 Jefferson County	X			X	
5 C1 Jefferson County	X			X	
6					
7					
8					
9					
10					
11					

Name of Other Water Utility (a)	Point of Delivery (g)	Pressure at Point of Delivery (h)	Gallons Sold (000 Omitted) (i)	Revenue (j)	Revenue Per M. Gallons (k)
1 City of Kirkwood	Swan Avenue 661'	30-50 PSI	1,060,357	\$ 1,109,004	\$ 1.05
2	Filmore & Big Bend 633'	50-60 PSI			
3	Trossock & Barrett Station 563'	100-110 PSI			
4	Highland Avenue 533'	145-155 PSI			
5	Trailcrest & Ballas 574'	90-100 PSI			
6	Tree Court & Marshall 402'	140-150 PSI			
7 Public Water District #1 Jefferson County	Easement @ Meramec River South of Meramec Bottom Road	130-150 PSI	824,496	\$ 2,159,684	\$ 2.62
8	Hawkins Rd @ Meramec River 398'	130-150 PSI			
9	Lemay Ferry @ Meramec River 436'	115-135 PSI			
10 Public Water District #3 Jefferson County	Highway 141 @ Berthold Drive 571'	60-80 PSI	485,130	\$ 1,270,748	\$ 2.62
11	Highway 141 @ Fielder Drive 427'	110-135 PSI			
12	Debres Road South of Gravois 470'	100-120 PSI			
13	Robin Lane & Highway 141 475'	95-115 PSI			
14	Meramec Bottom Rd. @ Bentnor 398'	125-145 PSI			
15 Public Water District #10 Jefferson County	Telegraph Rd. @ Meramec River 402'	125-140 PSI	207,248	\$ 542,864	\$ 2.62
16 C1 Jefferson County	Lemay Ferry Road 490'	90-110 PSI	1,182,002	\$ 1,199,862	\$ 1.02
17					
18 C1 Jefferson County Amortization of Pipe Lines				\$ 1,422,125	
19					
20 DSIC				\$ 334,328	
21					
22 Unbilled Revenue Adjustment				\$ 100,662	
23					
24 Billing Adjustments - Jefferson County tax adjustment				\$ (46,296)	
Total			3,759,232	\$ 8,092,983	
			(Total to Pg. W-1)	(Total to Pg. W-1)	

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Report of MISSOURI AMERICAN WATER COMPANY

For the Year Ended December 31, 2022

SALES FOR RESALE (ACCOUNT 466)

WARRENSBURG OPERATIONS

1. Report below the information specified concerning water sold during the year to other water utilities or to public authorities for distribution to ultimate consumers. For unmeasured sales, report the best estimates available.  
 2. The quantities reported should be those shown by the bill rendered to the purchasers.

Name of Other Water Utility (a)	Associated Utilities (b)	Non-Associated Utilities (c)	Municipalities (d)	Sales Within State Boundaries (e)	Export Across State Lines (f)
Johnson County Public Water District #1			X	X	
2					
3					
4					
5					
6					
7					
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25					

Name of Other Water Utility (a)	Point of Delivery (g)	Pressure at Point of Delivery (h)	Gallons Sold (000 Omitted) (i)	Revenue (j)	Revenue Per M. Gallons (k)
1. Johnson County Public Water District #1	39 NE 175	75 psi	889	\$ 3,720	\$ 4.18
2. Johnson County Public Water District #1	4 NW OO Hwy	75 psi	0	\$ -	-
3					
4. Unbilled Revenue Adjustment				\$ (111)	
5					
6 DSIC				\$ 78	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
Total			889	\$ 3,687	
			(Total to Pg. W-1)	(Total to Pg. W-1)	

SALES FOR RESALE (ACCOUNT 466)

ST. CHARLES OPERATIONS

1. Report below the information specified concerning water sold during the year to other water utilities or to public authorities for distribution to ultimate consumers. For unmeasured sales, report the best estimates available.
2. The quantities reported should be those shown by the bill rendered to the purchasers.

Name of Other Water Utility (a)	Associated Utilities (b)	Non-Associated Utilities (c)	Municipalities (d)	Sales Within State Boundaries (e)	Export Across State Lines (f)
Village of Weldon Spring Heights					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					

Name of Other Water Utility (a)	Point of Delivery (g)	Pressure at Point of Delivery (h)	Gallons Sold (000 Omitted) (i)	Revenue (j)	Revenue Per M. Gallons (k)
1. Village of Weldon Spring Heights	Weldon Spring Heights Dr		1,875	\$ 5,408	\$ 2.89
2					
3					
4. Unbilled Revenue Adjustment				\$ 352	
5					
6 DSIC				\$ 186	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
Total			1,875	\$ 5,947	
			(Total to Pg. W-1)	(Total to Pg. W-1)	

**INTERDEPARTMENTAL SALES (ACCOUNT 467)**

Name of Other Department (a)	Basis of Charge to Other Department (b)	Point of Delivery (c)	Gallons (000 Omitted) (d)	Revenue (e)	Revenue Per M. Gallon (in Cents) (f)
Total Interdepartmental Sales (Acct. 467)			-	\$ -	\$ -
			(Total to Pg. W-1)	(Total to Pg. W-1)	

**RENTS FROM WATER PROPERTIES (ACCOUNT 472)**

1. Report below rents received during the year for use by others of property devoted to water operations by the utility.
2. Minor rents may be entered at the total amount for each class of such rents.
3. If rents are includible which were arrived at under an arrangement for apportioning expenses of a joint facility, whereby the amount included in this account represents profit or return on property, depreciation, and taxes, give particulars and the basis of apportionment of such charges to this account.
4. Designate if lessee is an associated company by placing an "X" in Column (b).

Name of Lessee (a)	Assoc. Co. (b)	Description of Property (c)	Amount of Revenue for Year (d)
American Tower, Inc.		Antenna lease on water tank	\$ 119,567
AT&T Wireless		Antenna lease on water tank	\$ 190,512
Danny Hackmann		Antenna lease on water tank	\$ 1,360
Jesse Thomas		Antenna lease on water tank	\$ 5,125
Lamar Companies		Office space rental	\$ 21,401
Lau Farming		Farm rental	\$ 21,735
Metropcs New York, LLC		Antenna lease on water tank	\$ 8,280
Mobile Radio Communication Inc		Antenna lease on water tank	\$ 4,175
Mobile Radion Communications, MSD		Antenna lease on water tank	\$ 5,819
Rick Stolte		Antenna lease on water tank	\$ 10
Sprint		Farm rental	\$ 1,300
T Mobile		Antenna lease on water tank	\$ 238,379
US Cellular		Antenna lease on water tank	\$ 148,681
Verizon Wireless		Antenna lease on water tank	\$ 4,194
W Stemme Farms LLC		Antenna lease on water tank	\$ 41,800
		Farm rental	\$ 5,683
Total Rents from Water Property (Acct. 472)			\$ 818,020
			(Total to Pg. W-1)

 Indicates formula cell.

**WATER OPERATION AND MAINTENANCE EXPENSES**

Particulars (a)	Acct. No. (b)	Current Year (c)	Last Year (d)	Increase (Decrease) (e)
<u>Source of Supply Expenses</u>				
Operation:				
Operation Supervision and Engineering	600			\$ -
Operation Labor and Expenses	601	\$ 680,395	\$ 728,947	\$ (48,552)
Purchased Water	602	\$ 1,370,277	\$ 1,298,047	\$ 72,230
Miscellaneous Expenses	603	\$ 6,534,566	\$ 5,976,488	\$ 558,078
Rents	604	\$ 14,860	\$ 8,705	\$ 6,155
Total Source of Supply - Operation Expenses		\$ 8,600,097	\$ 8,012,187	\$ 587,910
Maintenance:				
Maintenance Supervision and Engineering	610		\$ -	\$ -
Maintenance of Structures and Improvements	611		\$ -	\$ -
Maintenance of Collecting and Impounding Reservoirs	612		\$ -	\$ -
Maintenance of Lake, River and Other Intakes	613		\$ -	\$ -
Maintenance of Wells and Springs	614	\$ 173,042	\$ 222,358	\$ (49,317)
Maintenance of Infiltration Galleries and Tunnels	615		\$ -	\$ -
Maintenance of Supply Mains	616		\$ -	\$ -
Maintenance of Miscellaneous Water Source Plant	617	\$ 108,975	\$ 78,868	\$ 30,108
Total Source of Supply - Maintenance Expenses		\$ 282,017	\$ 301,226	\$ (19,209)
Total Source of Supply Expenses		\$ 8,882,114	\$ 8,313,413	\$ 568,701
<u>Pumping Expenses</u>				
Operation:				
Operation Supervision and Engineering	620	\$ 238,861	\$ 155,137	\$ 83,724
Fuel for Power Production	621	\$ 292,829	\$ 141,774	\$ 151,055
Power Production Labor and Expenses	622		\$ -	\$ -
Fuel or Power Purchased for Pumping	623	\$ 4,677,144	\$ 4,311,485	\$ 365,659
Pumping Labor and Expenses	624	\$ 1,571,976	\$ 1,588,852	\$ (16,876)
Expenses Transferred (Credit)	625		\$ -	\$ -
Miscellaneous Expenses	626	\$ 25,855	\$ 30,178	\$ (4,323)
Rents	627	\$ 2,065	\$ 2,724	\$ (660)
Total Pumping - Operation Expenses		\$ 6,808,728	\$ 6,230,150	\$ 578,579
Maintenance:				
Maintenance Supervision and Engineering	630	\$ 266,832	\$ 39,778	\$ 227,054
Maintenance of Structures and Improvements	631	\$ 369	\$ -	\$ 369
Maintenance of Power Production Equipment	632	\$ -	\$ 295	\$ (295)
Maintenance of Pumping Equipment	633	\$ 540,670	\$ 434,299	\$ 106,371
Total Pumping - Maintenance Expenses		\$ 807,870	\$ 474,372	\$ 333,498
Total Pumping Expenses		\$ 7,616,599	\$ 6,704,522	\$ 912,077
<u>Water Treatment Expenses</u>				
Operation:				
Operation Supervision and Engineering	640	\$ 350,071	\$ 360,021	\$ (9,950)
Chemicals	641	\$ 13,076,613	\$ 9,771,943	\$ 3,304,670
Operation Labor and Expenses	642	\$ 3,880,170	\$ 4,068,217	\$ (188,047)
Miscellaneous Expenses	643	\$ 2,962,714	\$ 1,896,949	\$ 1,065,765
Rents	644	\$ 126,956	\$ 8,846	\$ 118,110
Total Water Treatment - Operation Expenses		\$ 20,396,523	\$ 16,105,977	\$ 4,290,547
Maintenance:				
Maintenance Supervision and Engineering	650	\$ 1,509,331	\$ 1,854,754	\$ (345,423)
Maintenance of Structures and Improvements	651	\$ 583	\$ -	\$ 583
Maintenance of Water Treatment Equipment	652	\$ 796,721	\$ 864,018	\$ (67,298)
Total Water Treatment - Maintenance Expenses		\$ 2,306,635	\$ 2,718,773	\$ (412,138)
Total Water Treatment Expenses		\$ 22,703,158	\$ 18,824,749	\$ 3,878,409
Subtotal Water Operation Expenses		\$ 35,805,349	\$ 30,348,313	\$ 5,457,036
		(Total to Pg. W-6)	(Total to Pg. W-6)	(Total to Pg. W-6)
Subtotal Water Maintenance Expenses		\$ 3,396,522	\$ 3,494,371	\$ (97,849)
		(Total to Pg. W-6)	(Total to Pg. W-6)	(Total to Pg. W-6)

Indicates link to another worksheet within workbook

Indicates formula cell.

**WATER OPERATION AND MAINTENANCE EXPENSES (Con't)**

Particulars (a)	Acct. No. (b)	Current Year (c)	Last Year (d)	Increase (Decrease) (e)
<b><u>Transmission and Distribution Expenses</u></b>				
Operation:				
Operation Supervision and Engineering	660	\$ 84,493	\$ 81,959	\$ 2,535
Storage Facilities Expenses	661	\$ -	\$ -	\$ -
Transmission and Distribution Lines Expenses	662	\$ 1,420,866	\$ 1,416,845	\$ 4,021
Meter Expenses	663	\$ 519,233	\$ 471,195	\$ 48,037
Customer Installations Expenses	664	\$ 149,576	\$ 130,617	\$ 18,958
Miscellaneous Expenses	665	\$ 8,421,649	\$ 7,002,893	\$ 1,418,756
Rents	666	\$ 55,725	\$ 3,720	\$ 52,005
Total Transmission and Distribution - Operation Expenses		\$ 10,651,541	\$ 9,107,229	\$ 1,544,312
Maintenance:				
Maintenance Supervision and Engineering	670	\$ 61,575	\$ 74,302	\$ (12,727)
Maintenance of Structures and Improvements	671	\$ -	\$ -	\$ -
Maintenance of Distribution Reservoirs and Standpipes	672	\$ 16,267	\$ 41	\$ 16,227
Maintenance of transmission and Distribution Mains	673	\$ 2,471,094	\$ 2,330,731	\$ 140,363
Maintenance of Fire Mains	674	\$ -	\$ (1,150)	\$ 1,150
Maintenance of Services	675	\$ 260,949	\$ 448,503	\$ (187,554)
Maintenance of Meters	676	\$ 64,501	\$ 147,261	\$ (82,760)
Maintenance of Hydrants	677	\$ 304,278	\$ 359,906	\$ (55,628)
Maintenance of Miscellaneous Plant	678	\$ 3,372,136	\$ 3,484,401	\$ (112,265)
Total Transmission and Distribution - Maintenance Expenses		\$ 6,550,801	\$ 6,843,995	\$ (293,194)
Total Transmission and Distribution Expenses		\$ 17,202,342	\$ 15,951,225	\$ 1,251,117
<b><u>Customer Accounts Expenses</u></b>				
Operation:				
Supervision	901	\$ 11,403	\$ 11,721	\$ (318)
Meter Reading Expenses	902	\$ 344,354	\$ 463,588	\$ (119,234)
Customer Records and Collection Expenses	903	\$ 1,975,350	\$ 1,439,734	\$ 535,616
Uncollectible Accounts	904	\$ 2,166,044	\$ 2,655,179	\$ (489,135)
Miscellaneous Customer Accounts Expenses	905	\$ 248,911	\$ 195,831	\$ 53,081
Total Customer Accounts - Operation Expenses		\$ 4,746,062	\$ 4,766,053	\$ (19,990)
<b><u>Customer Service &amp; Information Expenses</u></b>				
Operation:				
Customer Service & Information Expenses	907	\$ 302	\$ -	\$ 302
Total Customer Service & Information - Operation Expenses		\$ 302	\$ -	\$ 302
<b><u>Sales Promotion Expenses</u></b>				
Operation:				
Sales Promotion Expenses	910	\$ -	\$ -	\$ -
Total Sales Promotion - Operation Expenses		\$ -	\$ -	\$ -
<b><u>Administrative and General Expenses</u></b>				
Operation:				
Administrative and General Salaries	920	\$ 14,085,813	\$ 13,471,863	\$ 613,951
Office Supplies and Other Expenses	921	\$ 3,147,801	\$ 2,987,460	\$ 160,341
Administrative Expenses Transferred (Credit)	922	\$ -	\$ -	\$ -
Outside Services Employed	923	\$ 48,953,567	\$ 47,306,245	\$ 1,647,321
Property Insurance	924	\$ 6,459,927	\$ 5,060,870	\$ 1,399,057
Injuries and Damages	925	\$ (2,551,325)	\$ 3,229,025	\$ (5,780,351)
Employee Pensions and Benefits	926	\$ 1,087,915	\$ 1,486,890	\$ (398,975)
Franchise Requirements	927	\$ -	\$ -	\$ -
Regulatory Commission Expenses	928	\$ 439,839	\$ 378,601	\$ 61,238
Duplicate Charges (Credit)	929	\$ -	\$ -	\$ -
Institutional or Goodwill Advertising Expenses	930.1	\$ -	\$ -	\$ -
Miscellaneous General Expenses	930.2	\$ 2,794,140	\$ 2,273,677	\$ 520,464
Research and Development Expenses	930.3	\$ 98,954	\$ 93,162	\$ 5,792
Rents	931	\$ 214,432	\$ 195,821	\$ 18,611
Total Administrative and General - Operation Expenses		\$ 74,731,064	\$ 76,483,615	\$ (1,752,551)
Maintenance:				
Maintenance of General Plant	932	\$ 150,624	\$ 202,558	\$ (51,933)
Total Administrative and General - Maintenance Expenses		\$ 150,624	\$ 202,558	\$ (51,933)
Total Administrative and General Expenses		\$ 74,881,688	\$ 76,686,172	\$ (1,804,484)
Subtotal Water Operation Expenses		\$ 90,128,970	\$ 90,356,897	\$ (227,927)
Subtotal Water Maintenance Expenses		\$ 6,701,425	\$ 7,046,553	\$ (345,128)
Subtotal - Water Operation Expenses (from Pg. W-5)		\$ 35,805,349	\$ 30,348,313	\$ 5,457,036
Subtotal - Water Operation Expenses (from above)		\$ 90,128,970	\$ 90,356,897	\$ (227,927)
Total Water Operation Expenses		\$ 125,934,319	\$ 120,705,210	\$ 5,229,109
(Total to Pg. F-13)				
Subtotal - Water Maintenance Expenses (from Pg. W-5)		\$ 3,396,522	\$ 3,494,371	\$ (97,849)
Subtotal - Water Maintenance Expenses (from above)		\$ 6,701,425	\$ 7,046,553	\$ (345,128)
Total Water Maintenance Expenses		\$ 10,097,948	\$ 10,540,924	\$ (442,976)
(Total to Pg. F-13)				

Indicates link to another worksheet within workbook.

Indicates formula cell.



**WATER PURCHASED FOR RESALE (ACCOUNT 602)**

1. Report below the information called for concerning water purchased during the year.
2. The quantities reported should be those shown by the bills rendered by the vendor.
3. Provision is made in this schedule for designating water purchases according to certain statistical classifications by placing an "X(s)" in the appropriate Columns (b) to (i). Each purchase will appear in more than one classification.

Company Name  
**Missouri-American Water Company**

Name of Vendor (a)	Associated Utilities (b)	Associated Non-Utilities (c)	Non-Associated Utilities (d)	Purchases Within State Boundaries (e)	Imports Across State Lines (f)	Point of Receipt (g)	Pressure at Point of Delivery (h)	Gallons Purchased (000 Omitted) (i)	Cost of Water Purchased (j)	Cost Per M. Gallons (k)
Callaway County PWSD#1								4,791	\$ 17,485	\$ 3.65
City of California, MO								311	\$ 9,644	\$ 31.02
City of Excelsior Springs, MO								62,064	\$ 477,244	\$ 7.69
Clinton County								300	\$ 358	\$ 1.19
KC Water Services						1360 NW VIVION RD			\$ 1,976	
KC Water Services						1701 NW PLATTE RD LOT A		18,468	\$ 232,049	
KC Water Services						1701 NW PLATTE RD LOT B		1,131	\$ 7,813	
KC Water Services						3415 NW 56th STLOW WTR		N/A	\$ 1,981	
KC Water Services						5200 N Helena Ave LOT INT		N/A	\$ 1,981	
KC Water Services						6801 N M 9 HWY		N/A	\$ 2,946	
Ozark Water System, MO								7,823	\$ 41,305	\$ 5.28
Water Commissioner City of St Louis						Hog Hollow Booster Station		584,279	\$ 422,762	\$ 0.72
Ray County								23,744	\$ 129,871	\$ 5.47
Adjustments and accruals									\$ 22,863	
Total								702,911	\$ 1,370,276.51	
									(Total to Pg. W-5)	

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.

**DETAIL OF CERTAIN GENERAL EXPENSE ACCOUNTS**

Report data requested for accounts as indicated. For Account 923, report total amount paid as well as amount applicable to water utility operation.

Description of Item (a)	Total Amount Paid (b)	Amount Applicable to Water Utility Ops (c)
<p><b>Acct. 923, Outside Services Employed</b> - State total cost, nature of service and name of each person who was paid for services includible in this account, \$5,000 or more:</p> <p style="text-align: center;"><b>SEE ATTACHMENT</b></p>	\$ 49,231,322	\$ 48,953,567
Total Outside Services Employed (Acct. 923)	\$ 49,231,322	\$ 48,953,567 (Total to Pg. W-6)
<p><b>Acct. 924, Property Insurance</b> - List hereunder major classes of expenses and also state extent to which utility is self-insured against insurable risks to its property:</p> <p>Premiums for Insurance Dividends Received from Insurance Companies (Credit) Amounts Credited to Acct. 261, Property Insurance Reserve Other Expenses (list major classes)</p>	\$ 6,488,508	\$ 6,459,927
Total Property Insurance (Acct. 924)	\$ 6,488,508	\$ 6,459,927 (Total to Pg. W-6)
<p><b>Acct. 925, Injuries and Damages</b> - List hereunder major classes of expense. Also, state extent to which utility is self-insured against risks or injuries and damages to employees or others:</p> <p>Premiums for Insurance Dividend Received from Insurance Companies (Credit) Amounts Credited to Acct. 262, Injuries and Damages Reserve Expenses of Investigating and Adjusting Claims Inventory Physical Write-Off Scrap Other Expenses (list major classes)</p>	\$ (2,711,820)	\$ (2,711,820)
	\$ 160,494	\$ 160,494
Total Injuries and Damages (Acct. 925)	\$ (2,551,325)	\$ (2,551,325) (Total to Pg. W-6)
Total General Expenses	\$ 53,168,504	\$ 52,862,168

Indicates formula cell.

**DETAIL OF CERTAIN GENERAL EXPENSE ACCOUNTS**

Report data requested for accounts as indicated. Report total amount paid as well as amount applicable to sewer utility operation.

Description of Item (a)		Total Amount Paid (b)	Amount Applicable to Water Utility Ops (c)
Management and Supervision Services	American Water Works Service Co	\$38,961,283	\$38,961,283
Engineering Services	Volkert Inc	44,000	44,000
	Hansens Tree Lawn & Lands	35,700	35,700
	Trekk Design Group LLC	35,084	35,084
	Poehlman & Prost Inc	9,400	9,400
	Bartlett & West Inc	6,500	6,500
	Midland Surveying Inc	6,500	6,500
	Invoices under \$5000	11,894	11,494
	Accruals and Adjustments	503,156	503,556
		652,234	652,234
Audit Services	Price Waterhouse Coopers LLP	556,603	556,603
	TRC Environmental Corp	8,846	8,846
	Accruals and Adjustments	(113,736)	(113,736)
		451,713	451,713
Lab Testing	Culligan Water Conditioning	13,535	13,535
	Midwest Testing Laboratory	6,895	
	Invoices under \$5000	9,572	5,463
	Accruals and Adjustments	(2,273)	(2,192)
		27,728	16,805
Legal Services	Brydon Swearngen & England PC	115,627	115,627
	K & L Gates LLP	107,000	107,000
	Husch Blackwell	46,580	46,580
	Jackson Lewis P.C.	44,909	44,909
	Barack Ferrazzano Kirschbaum	40,400	40,400
	Marjorie K Conner Attorney At	23,640	23,640
	Thompson Coburn LLP	21,752	21,752
	Barnes & Thornberg	9,487	9,487
	Mwh Law Group LLP	7,525	7,525
	Hellmich Hill & Retter LLC	6,955	6,955
	Jackson Lewis PC	6,197	6,197
	Invoices under \$5000	12,851	12,851
	Accruals and Adjustments	22,058	22,058
		464,979	464,979
Staffing Services	Kelley Group Inc	59,957	59,957
	Volkert Inc	18,000	18,000
	Jose H Lopez	7,922	7,922
	Kevin D Gunn	7,817	7,817
	Caleb M Jones	6,847	6,847
	Iron Mountain Records Man	5,786	5,786
	Invoices under \$5,000	8,318	8,318
	Accruals and Adjustments	(16,912)	(16,912)
		97,735	97,735
Other Services	One Call Concepts Location	1,941,733	1,939,528
	Johnson Controls Security	300,578	300,578
	Missouri One Call System	256,253	249,277
	Moodys Investors Service	129,016	129,016
	Whitehead Brothers Painting	116,750	116,750
	Standard & Poors Fncl Svc	79,969	79,969
	Stantec Consulting Service	78,441	78,441
	RS Electric Corp	74,595	74,595
	Gonzalez Companies LLC	67,885	67,885
	Iron Mountain Records Man	67,071	67,071
	Edward J Batis & Associates	57,700	57,700

**DETAIL OF CERTAIN GENERAL EXPENSE ACCOUNTS**

Report data requested for accounts as indicated. Report total amount paid as well as amount applicable to sewer utility operation.

Description of Item (a)	Total Amount Paid (b)	Amount Applicable to Water Utility Ops (c)
Energy Resources Inc	51,962	51,962
Athletico Physical Therapy	48,197	48,197
BSR Services Inc	46,351	46,351
Hireright LLC	42,256	39,588
Durkin Equipment Co	37,964	37,964
Johnson Controls Security	30,757	30,757
Ramsay Corporation	24,500	24,500
Loellke Plumbing Inc	23,583	19,475
JCI Industries Inc	21,444	9,006
DISA Global Solutions Inc	19,600	19,600
Dinan Real Estate Advisor	18,000	18,000
Goodman Appraisal Consult	18,000	18,000
CK Power Products Corp	17,053	12,632
Shryock Brothers	16,953	
Ace Pipe Cleaning Inc	16,223	11,443
Missouri Machinery & Engi	16,130	1,469
Prescient Comply LLC	15,661	15,661
Diligent Board Member Ser	15,298	15,298
Nexus Group	15,000	15,000
Cintas Corporation No 2	14,972	11,349
Excel Utility Contractors	14,718	14,718
Athletico Physical Therapy	14,375	14,375
Illinois Electric Works I	14,320	14,320
Goins Enterprises Inc	13,707	13,707
Fluid Equipment	11,003	11,003
Moments of Focus LLC	10,800	10,800
Vandevanter Engineering	9,874	4,753
Cintas Fire Protection	9,869	9,869
Maxim Construction Inc	9,865	9,865
O J Laughlin Plumbing Co	9,573	9,573
Hodges Farms And Dredging	9,455	9,455
Servpro Of West Kirkwood	9,450	9,450
FTC Equipment LLC	9,055	9,055
Flynn Drilling Company Inc	8,950	8,950
Jose H Lopez	8,267	8,267
Canon Solutions America I	7,961	7,943
Volkert Inc	7,843	7,843
Flinn Engineering LLC	7,763	7,763
Blue Chip Exterminating I	7,361	7,361
John Jackson Plumbing LLC	7,226	7,226
Jim Taylor Inc	7,165	7,165
Haynes Equipment Co Inc	7,035	
Sidener Environmental Ser	6,961	6,961
Denora Water Technologies	6,870	6,870
Hansens Tree Lawn & Lands	6,700	6,700
St Joseph City	6,672	6,672
Guarantee Electrical Cons	6,289	6,289
Bommarito Construction	6,093	6,093
M Con LLC	5,764	5,764
Kelley Group Inc	5,451	5,451
Lecomb Consulting	5,267	5,267
Chris Vaught Construction	5,078	5,078
Mid Mo Pumping LLC	5,000	5,000
Invoices under \$5,000	4,647,497	4,469,302
Accruals and Adjustments	(33,521)	(37,154)
	8,575,648	8,308,816
Total Account 923	\$49,231,322	\$48,953,567

**DETAIL OF CERTAIN GENERAL EXPENSE ACCOUNTS (CON'T)**

Description of Item (a)	Total Amount Paid (b)	Amount Applicable to Water Utility Ops (c)
<b>Acct. 926, Employee Pensions and Benefits-</b> Report total amount for utility hereunder and show credit for amounts transferred to construction or other accounts leaving the net balance in Acct. 926:		
Pension Accruals or Payments to Pension Funds	\$ (7,671,983)	\$ (7,795,464)
Pension Payments Under Unfunded Basis		
Employees' Benefits (life, health, accident and hospital insurance, etc.)	\$ 6,935,196	\$ 6,570,243
Expense of Educational and Recreational Activities for Employees	\$ 461,205	\$ 449,478
Other Expenses (list major items)		
401k expenses	\$ 933,740	\$ 885,613
Defined compensation and other welfare	\$ 1,048,317	\$ 978,045
<b>Total Employee Pensions and Benefits (Acct. 926)</b>	<b>\$ 1,706,474</b>	<b>\$ 1,087,915</b>
		(Total to Pg. W-6)

**Acct. 928, Regulatory Commission Expense:**

1. Give the particulars called for below concerning all expenses incurred during the year in connection with formal cases before regulatory commissions, or other regulatory bodies, or cases in which such a body was a party.
2. Include in description the case, the name of the regulatory body and case or docket number.
3. Include as expenses charged off during the year reported in Column (g) the amount of any deferred regulatory commission expenses amortized for the year.

Description of Case (a)	Expenses Incurred During Year			Transferred to Miscellaneous Deferred Debits (Acct. 186) (e)	Charged Off During Year	
	Assessed By Regulatory Commission (b)	Expenses of Utility (c)	Total (d)		Acct. No. (f)	Amount (g)
Amortization per WR-2017-0285		\$ 260,359	\$ 260,359			
Reserve 50% of WR-2020-0344 GRC		\$ 179,480	\$ 179,480			
<b>Total Regulatory Commission Expense (Acct. 928)</b>	<b>\$ -</b>	<b>\$ 439,839</b>	<b>\$ 439,839</b>	<b>\$ -</b>		<b>\$ -</b>
			(Total to Pg. W-6)			

Amortization of Deferred Regulatory Commission Expenses for previous year: \_\_\_\_\_

Total charged off during the year: \_\_\_\_\_

(a)	Total (b)
<b>Acct. 930.2, Miscellaneous General Expenses:</b>	
Industry Association Dues	\$ 378,129
Other Experimental & General Research Expenses	
Expense of corporate organization & of servicing outstanding securities of utility	
National institutional advertising expenses	
Local institutional advertising expenses	\$ 187,786
Directors' fees and expenses	\$ 600
Other Expenses (list major items)	
Management and admin transportation	\$ 1,415,690
Software licenses and support	\$ 213,252
Community relations	\$ 215,353
Conservation	\$ (1,355)
Penalties	\$ 384,686
Misc transactional costs	\$ 2,794,140
	(Total to Pg. W-6)
<b>Acct. 922, Administrative Expenses Transferred (Credit).</b> Please explain basis of computation of credit in space provided below.	
<b>Total Administrative Expenses Transferred (Credit) (Acct. 922)</b>	<b>\$ -</b>
	(Total to Pg. W-6)

Explanation

Indicates formula cell.

**WATER UTILITY PLANT IN SERVICE**

Account Description (a)	Acct. No. (b)	Balance at Beginning of Year (c)	Additions During the Year (d)	Retirements During the Year (e)	Balance at End of Year (f)
<i>Intangible Plant</i>					
Organization	301	\$ 249,500	\$ 141,082	\$ -	\$ 390,582
Franchise and Consents	302	\$ 43,698	\$ -	\$ -	\$ 43,698
Miscellaneous Intangible Plant	303	\$ 1,063,741	\$ -	\$ -	\$ 1,063,741
<b>Total Intangible Plant</b>		<b>\$ 1,356,939</b>	<b>\$ 141,082</b>	<b>\$ -</b>	<b>\$ 1,498,021</b>
<i>Source of Supply Plant</i>					
Land and Land Rights	310	\$ 3,131,348	\$ 541,169	\$ -	\$ 3,672,517
Structures and Improvements	311	\$ 26,650,745	\$ 7,297,863	\$ 785,191	\$ 33,163,417
Collecting and Impounding Reservoirs	312	\$ 119,689	\$ 48,927	\$ -	\$ 168,617
Lake, River, and Other Intakes	313	\$ 7,740,397	\$ 270,312	\$ -	\$ 8,010,709
Wells and Springs	314	\$ 11,010,031	\$ 373,218	\$ 40,170	\$ 11,343,078
Infiltration Galleries and Tunnels	315	\$ 1,804	\$ -	\$ -	\$ 1,804
Supply Mains	316	\$ 22,353,395	\$ 334,962	\$ 243	\$ 22,688,113
Other Water Source Plant *	317	\$ 326,913	\$ 92,154	\$ -	\$ 419,067
<b>Total Source of Supply Plant</b>		<b>\$ 71,334,322</b>	<b>\$ 8,958,604</b>	<b>\$ 825,604</b>	<b>\$ 79,467,321</b>
<i>Pumping Plant</i>					
Land and Land Rights	320	\$ 472,629	\$ 48,315	\$ 1,269	\$ 519,675
Structures and Improvements	321	\$ 35,390,885	\$ 2,800,124	\$ 212,856	\$ 37,978,153
Boiler Plant Equipment	322	\$ 5,035,963	\$ -	\$ -	\$ 5,035,963
Other Power Production Equipment *	323	\$ 16,128,274	\$ 106,191	\$ 603	\$ 16,233,862
Steam Pumping Equipment	324	\$ 234,170	\$ -	\$ 185	\$ 233,985
Electric Pumping Equipment	325	\$ 81,589,106	\$ 6,977,925	\$ 852,734	\$ 87,714,296
Diesel Pumping Equipment	326	\$ 2,447,048	\$ -	\$ -	\$ 2,447,048
Hydraulic Pumping Equipment	327	\$ 625,138	\$ -	\$ 16,617	\$ 608,521
Other Pumping Equipment *	328	\$ 11,098,584	\$ 4,420,568	\$ 189,824	\$ 15,329,328
<b>Total Pumping Plant</b>		<b>\$ 153,021,796</b>	<b>\$ 14,353,123</b>	<b>\$ 1,274,089</b>	<b>\$ 166,100,831</b>
<i>Water Treatment Plant</i>					
Land and Land Rights	330	\$ 3,359,621	\$ -	\$ -	\$ 3,359,621
Structures and Improvements	331	\$ 159,647,157	\$ 11,447,113	\$ 314,147	\$ 170,780,123
Water Treatment Equipment	332	\$ 167,510,592	\$ 13,945,664	\$ 1,827,082	\$ 179,629,174
<b>Total Water Treatment Plant</b>		<b>\$ 330,517,369</b>	<b>\$ 25,392,777</b>	<b>\$ 2,141,229</b>	<b>\$ 353,768,917</b>
<i>Transmission and Distribution Plant</i>					
Land and Land Rights	340	\$ 5,351,275	\$ 53,124	\$ -	\$ 5,404,400
Structures and Improvements	341	\$ 13,025,118	\$ (440,064)	\$ 29,709	\$ 12,555,345
Distribution Reservoirs and Standpipes	342	\$ 49,179,922	\$ 9,081,039	\$ 99,960	\$ 58,161,001
Transmission and Distribution Mains	343	\$ 1,886,912,993	\$ 207,666,011	\$ 7,543,708	\$ 2,087,035,296
Fire Mains	344	\$ 620,420	\$ 39,804	\$ 796	\$ 659,428
Services	345	\$ 89,463,204	\$ 64,427,232	\$ 1,131,631	\$ 152,758,805
Meters	346	\$ 191,326,211	\$ 60,480,240	\$ 25,309,444	\$ 226,497,007
Meter Installations	347	\$ 40,887,412	\$ 13,788,045	\$ 183,246	\$ 54,492,211
Hydrants	348	\$ 116,535,123	\$ 13,811,025	\$ 931,772	\$ 129,414,376
Other Transmission and Distribution Plant	349	\$ 91,457	\$ (37,444)	\$ (990)	\$ 55,003
<b>Total Transmission and Distribution Plant</b>		<b>\$ 2,393,393,136</b>	<b>\$ 368,869,012</b>	<b>\$ 35,229,276</b>	<b>\$ 2,727,032,872</b>
<i>General Plant</i>					
Land and Land Rights	389	\$ 623,985	\$ 31,157	\$ -	\$ 655,142
Structures and Improvements	390	\$ 51,550,916	\$ 11,373,789	\$ 215,472	\$ 62,709,233
Office Furniture and Equipment	391	\$ 115,378,222	\$ 11,618,732	\$ 1,307,006	\$ 125,689,948
Transportation Equipment	392	\$ 54,493,752	\$ 19,225,918	\$ 1,187,866	\$ 72,531,804
Stores Equipment	393	\$ 837,639	\$ 10,526	\$ 7,968	\$ 840,197
Tools, Shop and Garage Equipment	394	\$ 11,867,373	\$ 1,586,850	\$ 116,923	\$ 13,337,301
Laboratory Equipment	395	\$ 2,074,818	\$ 181,451	\$ 51,740	\$ 2,204,529
Power-Operated Equipment	396	\$ 2,237,121	\$ 76,633	\$ -	\$ 2,313,754
Communication Equipment	397	\$ 13,770,613	\$ 2,107,072	\$ 305,502	\$ 15,572,183
Miscellaneous Equipment	398	\$ 5,758,600	\$ 345,055	\$ 87,459	\$ 6,016,195
Other Tangible Property *	399	\$ 660,392	\$ (16,981)	\$ -	\$ 643,412
<b>Total General Plant</b>		<b>\$ 259,253,431</b>	<b>\$ 46,540,203</b>	<b>\$ 3,279,936</b>	<b>\$ 302,513,698</b>
<b>Total Water Utility Plant In Service</b>		<b>\$ 3,208,876,993</b>	<b>\$ 464,254,801</b>	<b>\$ 42,750,134</b>	<b>\$ 3,630,381,660</b>
		(Total to Pg. F-16)			(Total to Pg. F-16)

\* Please attach a detailed explanation for these items.

NOTE: All entries should be supported by records that identify the property being added or retired, its location, and its original cost in as much detail as reasonably possible. Report in Column (f) entries reclassifying property from one account to another. Corrections of entries of the immediately preceding year should be recorded in Column (d) or Column (e) accordingly, as they are corrections of additions or retirements. Please explain any items in Columns (d), (e) and/or (f) in space provided below schedule. Use additional sheets if necessary.

Explanation:

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Indicates formula cell.

**DEPRECIATION RESERVE (i.e., Accumulated Depreciation) - WATER UTILITY PLANT**

Report below the information called for concerning the Depreciation Reserve of the reporting utility at end of the year and changes during the year and explain in the space provided below any important adjustments made during the year. Show separately interest credits under a sinking fund or similar method of depreciation reserve accounting.

1. **DO NOT** use composite rate when account rates have been prescribed by the Commission.
2. Are rates shown in Column (b) below authorized by the Commission? Yes  No
3. If the answer to Question No. 2 above is "yes", state whether the authorization was by Commission Order or letter.
4. State the date when authorized rates were made effective:
5. If subaccount rates are used, show computation below which was used to arrive at account rate shown in the table below:

Computation is as follows:

Description or Classification of Property (a)	Acct. No. (b)	Annual Depreciation Rate (c)	Balance at Beginning of Year (d)	Addition to Reserve		Retirement of Property				Other Changes (k)	Balance at End of Year (l)	(m)	Amount (n)
				Annual Depreciation Provision (e)	Other Credits (f)	Book Cost of Property (g)	Cost of Removal (h)	Salvage Credit (i)	Net Retirement (j)				
<b>Source of Supply Plant</b>													
Structures and Improvements	311	1.97%	\$ 4,823,665	\$ 546,712	\$ 9,872	\$ 785,191	\$ 1,018,661	\$ 3,866	\$ 1,799,986	\$ -	\$ 3,580,263	Total Depreciation Expense = Columns (e) and (f):	\$ 65,893,989
Collecting and Impounding Reservoirs	312	0.35%	\$ 100,442	\$ 590		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 101,032		
Lake, River, and Other Intakes	313	3.57%	\$ 2,084,746	\$ 276,977		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,361,722	LESS: Amounts Charged to Clearing Accounts:	
Wells and Springs	314	2.52%	\$ 2,764,783	\$ 279,741	\$ 50,804	\$ 40,170	\$ 61,369	\$ 364	\$ 101,175	\$ -	\$ 2,994,153		
Infiltration Galleries and Tunnels	315	2.52%	\$ 506	\$ 45		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 552		
Supply Mains	316	1.45%	\$ 9,757,039	\$ 327,794		\$ 243	\$ 788	\$ -	\$ 1,032	\$ -	\$ 10,083,801	PLUS: Allocation of Department on Common Plant:	\$ (6,927,448)
Other Water Source Plant	317	4.97%	\$ 28,673	\$ 20,064		\$ -	\$ 1,882	\$ -	\$ 1,882	\$ -	\$ 46,855		
<b>Total Source of Supply Plant</b>			<b>\$ 19,559,854</b>	<b>\$ 1,451,924</b>	<b>\$ 60,676</b>	<b>\$ 825,604</b>	<b>\$ 1,082,700</b>	<b>\$ 4,230</b>	<b>\$ 1,904,074</b>	<b>\$ -</b>	<b>\$ 19,168,379</b>	<b>Total Water Utility Depreciation Expense:</b>	<b>\$ 58,966,541</b>
<b>Pumping Plant</b>													
Structures and Improvements	321	3.95%	\$ 10,723,919	\$ 1,437,279		\$ 214,125	\$ 147,029	\$ 60,000	\$ 301,154	\$ (59,321)	\$ 11,800,723		
Boiler Plant Equipment	322		\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Other Power Production Equipment	323	3.05%	\$ 1,901,642	\$ 493,080		\$ 603	\$ -	\$ -	\$ 603	\$ -	\$ 2,394,119	Total Depreciation Reserve = Column (k):	\$ 584,183,846
Steam Pumping Equipment	324	1.89%	\$ (32,241)	\$ 4,425		\$ 185	\$ -	\$ -	\$ 185	\$ -	\$ (28,000)		
Electric Pumping Equipment	325	1.89%	\$ 25,261,535	\$ 1,639,617	\$ 20,609	\$ 852,734	\$ 246,027	\$ -	\$ 1,098,761	\$ -	\$ 25,823,000	PLUS: Allocation of Reserve on Common Plant:	
Diesel Pumping Equipment	326	1.89%	\$ 1,924,124	\$ 46,249		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,970,373		
Hydraulic Pumping Equipment	327	1.89%	\$ 88,812	\$ 11,777		\$ 16,617	\$ -	\$ -	\$ 16,617	\$ -	\$ 83,971		
Other Pumping Equipment	328	1.89%	\$ (1,031,521)	\$ 227,920	\$ 1,416	\$ 189,824	\$ 779,071	\$ 9,609	\$ 959,286	\$ -	\$ (1,761,472)	Total Depreciation Reserve Water Utility:	\$ 584,183,846
<b>Total Pumping Plant</b>			<b>\$ 38,836,269</b>	<b>\$ 3,860,347</b>	<b>\$ 22,025</b>	<b>\$ 1,274,089</b>	<b>\$ 1,172,127</b>	<b>\$ 69,609</b>	<b>\$ 2,376,607</b>	<b>\$ (59,321)</b>	<b>\$ 40,282,714</b>		
<b>Water Treatment Plant</b>													
Structures and Improvements	331	2.34%	\$ 50,770,434	\$ 3,735,692		\$ 314,147	\$ 175,653	\$ -	\$ 489,800	\$ -	\$ 54,016,326		
Water Treatment Equipment	332	2.18%	\$ 44,668,495	\$ 3,765,630		\$ 1,827,082	\$ 1,363,601	\$ 11,356	\$ 3,179,327	\$ -	\$ 45,254,798		
<b>Total Water Treatment Plant</b>			<b>\$ 95,438,929</b>	<b>\$ 7,501,323</b>	<b>\$ -</b>	<b>\$ 2,141,229</b>	<b>\$ 1,539,254</b>	<b>\$ 11,356</b>	<b>\$ 3,669,127</b>	<b>\$ -</b>	<b>\$ 99,271,124</b>		
<b>Transmission and Distribution Plant</b>													
Structures and Improvements	341	1.49%	\$ 6,080,297	\$ 193,023		\$ 29,709	\$ 997	\$ -	\$ 30,706	\$ 54	\$ 6,242,668		
Distribution Reservoirs and Standpipes	342	1.70%	\$ 17,921,909	\$ 901,140	\$ 14,823	\$ 99,960	\$ 354	\$ -	\$ 100,314	\$ 286	\$ 18,737,844		
Transmission and Distribution Mains	343	1.39%	\$ 279,546,908	\$ 27,417,642	\$ 137,582	\$ 7,543,708	\$ 8,554,108	\$ (20,088)	\$ 16,117,904	\$ 1,571	\$ 290,985,799		
Fire Mains	344	1.56%	\$ 203,866	\$ 9,894		\$ 796	\$ 431	\$ -	\$ 1,227	\$ -	\$ 212,534		
Services	345	2.92%	\$ 14,241,596	\$ 3,340,890	\$ 147,280	\$ 1,131,631	\$ 858,006	\$ -	\$ 1,990,237	\$ 30	\$ 15,739,559		
Meters	346	2.40%	\$ (1,309,511)	\$ 4,881,357		\$ 25,322,058	\$ 3,674,444	\$ 242,619	\$ 28,753,883	\$ 12,646	\$ (25,169,391)		
Meter Installations	347	2.40%	\$ 15,500,104	\$ 1,128,942		\$ 183,246	\$ 196,545	\$ -	\$ 379,790	\$ -	\$ 16,249,255		
Hydrants	348	1.85%	\$ 18,630,289	\$ 2,245,269	\$ 13,556	\$ 931,772	\$ 1,136,183	\$ 20,176	\$ 2,047,779	\$ 122	\$ 18,841,457		
Other Transmission and Distribution Plant	349	2.96%	\$ 14,758	\$ 2,617		\$ (990)	\$ -	\$ -	\$ (990)	\$ -	\$ 18,365		
<b>Total Transmission and Distribution Plant</b>			<b>\$ 350,830,215</b>	<b>\$ 40,120,775</b>	<b>\$ 313,241</b>	<b>\$ 35,241,890</b>	<b>\$ 14,421,667</b>	<b>\$ 242,708</b>	<b>\$ 49,420,849</b>	<b>\$ 14,709</b>	<b>\$ 341,858,090</b>		
<b>General Plant</b>													
Structures and Improvements	390	3.03%	\$ 5,800,422	\$ 1,526,692		\$ 215,472	\$ 228,409	\$ 1,189	\$ 442,692	\$ 3	\$ 6,884,424		
Office Furniture and Equipment	391	7.63%	\$ 43,717,027	\$ 7,558,944		\$ 1,294,392	\$ 10,222	\$ 8,686	\$ 1,295,928	\$ (12,615)	\$ 49,967,429		
Transportation Equipment	392	3.52%	\$ 14,559,609	\$ 1,655,268		\$ 1,187,866	\$ 0	\$ 574,806	\$ 613,060	\$ -	\$ 15,601,817		
Stores Equipment	393	3.88%	\$ (33,121)	\$ 32,624		\$ 7,968	\$ -	\$ -	\$ 7,968	\$ -	\$ (8,465)		
Tools, Shop and Garage Equipment	394	3.73%	\$ 3,983,669	\$ 457,974		\$ 116,923	\$ 33,593	\$ -	\$ 150,516	\$ -	\$ 4,291,128		
Laboratory Equipment	395	3.90%	\$ 804,040	\$ 81,713		\$ 51,740	\$ 3,649	\$ -	\$ 55,389	\$ -	\$ 830,364		
Power-Operated Equipment	396	3.79%	\$ 1,666,697	\$ 58,850		\$ -	\$ 2,646	\$ -	\$ 2,646	\$ -	\$ 1,722,900		
Communication Equipment	397	5.89%	\$ 2,309,752	\$ 807,141		\$ 305,502	\$ 201,640	\$ -	\$ 507,142	\$ -	\$ 2,609,752		
Miscellaneous Equipment	398	6.48%	\$ 1,210,633	\$ 373,795		\$ 66,773	\$ 16,764	\$ -	\$ 83,537	\$ -	\$ 1,500,891		
Other Tangible Property	399	2.43%	\$ 193,480	\$ 7,103	\$ 3,573	\$ -	\$ 858	\$ -	\$ 858	\$ -	\$ 203,298		
<b>Total General Plant</b>			<b>\$ 74,212,208</b>	<b>\$ 12,560,105</b>	<b>\$ 3,573</b>	<b>\$ 3,246,636</b>	<b>\$ 497,782</b>	<b>\$ 584,681</b>	<b>\$ 3,159,736</b>	<b>\$ (12,612)</b>	<b>\$ 83,603,538</b>		
<b>Total Water Utility Plant In Service</b>			<b>\$ 578,877,474</b>	<b>\$ 65,494,474</b>	<b>\$ 399,516</b>	<b>\$ 42,729,448</b>	<b>\$ 18,713,530</b>	<b>\$ 912,584</b>	<b>\$ 60,530,393</b>	<b>\$ (57,224)</b>	<b>\$ 584,183,846</b>		
			(Total to Pg. F-16)								(Total to Pg. F-16)		

Indicates formula cell.

**MISSOURI-AMERICAN WATER COMPANY**  
 For the Calendar Year January 1 - December 31, 2022  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each	None				
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	93 September Street				
11. Material (steel, wood, concrete, etc.)	WELDED STEEL				
12. Height of water column	109 FEET				
13. Diameter of tank	15 FEET				
14. Height of tank	114 FEET				
15. Elevation of inlet above pumping station	50 FEET (diffuser) 110 FEET (inlet)				
16. Distance from pumping station	30 FEET				
17. Capacity of each in gallons	150,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description	None				
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	None				
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Disinfection - Is water disinfected?	Yes				
40. Agent used (liquid, chlorine, etc.)	Sodium Hypochlorite 12.5%				
41. Chlorinating equipment:	Chemical feed pump				
42. Manufacturer	Watson-Marlow				
43. Type	Positive Displacement				
44. Points of application	Inflow pipe to standpipe				
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?	Daily monitoring for CL2 and Turbidity				



MISSOURI-AMERICAN WATER COMPANY  
For the Calendar Year January 1 - December 31, 2022  
RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each	NA				
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each					
11. Material (steel, wood, concrete, etc.)	STEEL				
12. Height of water column	93 FEET				
13. Diameter of tank	29.5 FEET				
14. Height of tank	100 FEET				
15. Elevation of inlet above pumping station	182 FEET				
16. Distance from pumping station	1 MILES				
17. Capacity of each in gallons	100,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description	NA				
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	AERATION/CHEMICAL MIX				
24. Function of plant-filter, soften, etc.	FILTER				
25. Aerators, type	FORCED AIR				
26. Sedimentation	YES				
27. Dimension of each settling basin	14' X30'				
28. Kind of coagulant	45% SODIUM ALUMINUMATE				
29. Pounds per million gallons	15				
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type	CHEMICAL FEEDERS				
36. Dimensions	50 GAL				
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	YES				
40. Agent used (liquid, chlorine, etc.)	CHLORINE				
41. Chlorinating equipment:	2 UNITS				
42. Manufacturer	WALLACE & TIERNAN				
43. Type	SK-10				
44. Points of application	CENTER OF BASIN/HI SVC PUMP				
45. Pounds per million gallons	WELL				
46. Pressure filters	41				
47. Type of each	4				
48. Capacity of each	SAND/GRAVEL MEDIA				
49. Hardness of water treated	.108 MGD				
50. Corrosion control, chemical agent	293 - >300				
51. Pound per million gallons	CALCIUM HYDROXIDE (Vertical Kiln				
52. Type of feeders (dry or slurry)	LIME), POLYPHOSPHATE				
53. Total H.P. of all motors used in plant	Lime-1241, Polyphosphate-7.2				
	SLURRY				
	77 HP				
54. How frequently is an analysis of water made?	C12-TURB,PH CONTINUOUS, DAILY				
	WATER QUALITY, 5 BAC-T'S				
	MONTHLY				

**MISSOURI-AMERICAN WATER COMPANY**  
 For the Calendar Year January 1 - December 31, 2022  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each					
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column					
13. Diameter of tank	16'				
14. Height of tank	120'				
15. Elevation of inlet above pumping station	2'				
16. Distance from pumping station	20'				
17. Capacity of each in gallons	175,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	Well #1	Well #2			
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	yes, disinfection	yes, disinfection			
40. Agent used (liquid, chlorine, etc.)	liquid chlorine	liquid chlorine			
41. Chlorinating equipment:					
42. Manufacturer	Stenner	Stenner			
43. Type	Chemical Injection Feed pump	Chemical Injection Feed pump			
44. Points of application	well head	well head			
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					



**MISSOURI-AMERICAN WATER COMPANY**  
 For the Calendar Year January 1 - December 31, 2022  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each	Old Lake	New Lake			
2. Elevation of relief					
3. Use (source of supply or clear water)	Source of supply	Source of supply			
4. Kind (earthen or masonry)	Earthen	Earthen			
5. Covered or open	open	open			
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station	N/A gravity	3.25 Miles			
8. Total capacity in gallons	177 acre-feet	353.7 acre-feet			
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Garden City Clearwell	Garden City Elevated Tank	Garden City Stand Pipe		
11. Material (steel, wood, concrete, etc.)	Steel	Steel	Steel		
12. Height of water column					
13. Diameter of tank			30'		
14. Height of tank	33'	113'	57.5'		
15. Elevation of inlet above pumping station (CL pumps = 1062.9')					
16. Distance from pumping station	120 feet	5,920 feet	7,361 feet		
17. Capacity of each in gallons	125,000	55,000	305,000		
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	15 min Sodium Permanganate				
24. Function of plant-filter, soften, etc.	Conventional/UF Membrane				
25. Aerators, type					
26. Sedimentation	Solid Contact Basin	Secondary Sedimentation			
27. Dimension of each settling basin	33' Dia x 12.75' Depth	54.5' x 25' x 10'			
28. Kind of coagulant	Poly-Alum				
29. Pounds per million gallons					
30. Sand filtration - slow or rapid	NA				
31. Number of beds	NA				
32. Open or covered	Covered				
33. Surface dimensions	NA				
34. Capacity of beds - gallons per day (per bed)	NA				
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?		Chlorine Dioxide			
40. Agent used (liquid, chlorine, etc.)		Chemical Feed Pumps			
41. Chlorinating equipment:	Chemical Feed Pumps	Chemical Feed Pumps			
42. Manufacturer	QDOS Marlo-Watson	QDOS Marlo-Watson			
43. Type	Peristaltic Pump	Peristaltic Pump			
44. Points of application	Primary Flashmixer	Secondary Flashmixer			
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated	80 to 100 ppm				
50. Corrosion control, chemical agent	PO4				
51. Pound per million gallons					
52. Type of feeders (dry or slurry)	Peristaltic Pump				
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?	Continuously & 2 hrs				

MISSOURI-AMERICAN WATER COMPANY  
For the Calendar Year January 1 - December 31, 2022  
RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each					
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column	6'				
13. Diameter of tank	7'				
14. Height of tank	7' x 18' laydown tank				
15. Elevation of inlet above pumping station (CL pumps = 1062.9')					
16. Distance from pumping station	4'				
17. Capacity of each in gallons	5,500				
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	Yes				
40. Agent used (liquid, chlorine, etc.)	Chlorine				
41. Chlorinating equipment:					
42. Manufacturer	Stenner				
43. Type	Liquid feed				
44. Points of application	Well head				
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					

MISSOURI-AMERICAN WATER COMPANY  
For the Calendar Year January 1 - December 31, 2022  
RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation or relief					
3. Use (source of supply or clear water)	purchased				
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each					
11. Material (steel, wood, concrete, etc.)					
12. Height of water column					
13. Diameter of tank					
14. Height of tank					
15. Elevation of inlet above pumping station					
16. Distance from pumping station					
17. Capacity of each in gallons					
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?					
40. Agent used (liquid, chlorine, etc.)					
41. Chlorinating equipment:					
42. Manufacturer					
43. Type					
44. Points of application					
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?	continuous on-line Cl2 monitor				

**MISSOURI-AMERICAN WATER COMPANY**  
 For the Calendar Year January 1 - December 31, 2022  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each	None				
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Jaxson Estates Tank				
11. Material (steel, wood, concrete, etc.)	Bolted Steel				
12. Height of water column	105 feet				
13. Diameter of tank	29 feet				
14. Height of tank	112 feet				
15. Elevation of inlet above pumping station	111 feet				
16. Distance from pumping station	50 feet				
17. Capacity of each in gallons	585,141				
<b>PRESSURE TANKS</b>					
18. Identification number or description	None				
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	None				
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?					
40. Agent used (liquid, chlorine, etc.)					
41. Chlorinating equipment:					
42. Manufacturer					
43. Type					
44. Points of application					
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					

MISSOURI-AMERICAN WATER COMPANY  
For the Calendar Year January 1 - December 31, 2022  
RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Backwash Tower	clearwell #1	Clearwell #2	Ellis Tank	Rock Hill Rd. Tank
11. Material (steel, wood, concrete, etc.)	Steel	concrete	Steel	Steel	Concrete / Steel
12. Height of water column	100'	30'	19'	28'	156'
13. Diameter of tank	20'	Square tank 92x65	103'	100'	
14. Height of tank	125'	30'	20'	35'	160'
15. Elevation of inlet above pumping station		8'			
16. Distance from pumping station					
17. Capacity of each in gallons	300,000	1,162,000	1,200,000	1,500,000	1,500,000
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	None				
24. Function of plant-filter, soften, etc.	Soften/turbidity removal				
25. Aerators, type	None				
26. Sedimentation	Yes				
27. Dimension of each settling basin	Pre-Set - 70 Dia x 14 depth	Pre/Pri-Set2 (64 x 64 x 21depth)	2( Pri-Set 87 x 45 x 15	Sec-Set 68 x 130 x 18	
28. Kind of coagulant	Ferric Sulfate / Polymer / CAO				
29. Pounds per million gallons	Dependent on river conditions				
30. Sand filtration - slow or rapid	Rapid				
31. Number of beds	8				
32. Open or covered	Covered				
33. Surface dimensions	176 <sub>in</sub> x6 / 240 <sub>in</sub> x2				
34. Capacity of beds - gallons per day (per bed)	1.64 MGD				
35. Mixing units, type	Hydraulic drop				
36. Dimensions	1'				
37. Flocculators, type	Horizontal				
38. Dimensions	16' x 41'				
39. Sterilization - Is water sterilized?	No				
40. Agent used (liquid, chlorine, etc.)	Bleach 12.5%				
41. Chlorinating equipment:	Metering Pumps				
42. Manufacturer	Siemens / Model CPS5F3XHP				
43. Type	Peristaltic				
44. Points of application	Pre/post filtration				
45. Pounds per million gallons	30 lbs.				
46. Pressure filters	N/A				
47. Type of each	N/A				
48. Capacity of each	N/A				
49. Hardness of water treated	132 mg/l				
50. Corrosion control, chemical agent	Phosphate / Co <sub>2</sub>				
51. Pound per million gallons	4 lb.				
52. Type of feeders (dry or slurry)	Slurry				
53. Total H.P. of all motors used in plant	1,160 Hp				
54. How frequently is an analysis of water made?	4 Hr. Intervals				



**MISSOURI-AMERICAN WATER COMPANY**  
**For the Calendar Year January 1 - December 31, 2022**  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each	Clearwell #1 (Ground level storage)	32nd St. Tank (Ground level storage)	Hill St. Tank (Ground level storage)	Clearwell #2 (Ground level storage)	
2. Elevation of relief	1050.75' floor - 1062.25' overflow	1053.5' floor - 1083.0' overflow	1035.5' floor - 1069.5' overflow	1060.0' floor - 1095.0' overflow	
3. Use (source of supply or clear water)	Clear Water	Clear Water	Clear Water	Clear Water	
4. Kind (earthen or masonry)	Concrete	Steel	Steel	Concrete	
5. Covered or open	Covered	Covered	Covered	Covered	
6. Elevated above pumping station (CL pumps = 1062.9')	-12.15'	-9.4'	-27.4'	-2.9'	
7. Distance from pumping station	At Plant	2.2 miles	2.6 miles	At Plant	
8. Total capacity in gallons	1,000,000	2,000,000	1,000,000	1,000,000	
9. Inside dimensions	130' x 85' x 12'	105' x 31'	66' x 40'	70' x 35'	
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Rex Tank (Elevated storage)	4th St. Tank (Elevated storage)	Crossroads Tank (Elevated storage)	Eland Tank (Elevated storage)	Loma Linda (Standpipe) <b>Not in service, not piped to treatment plant pumps. Standpipe/Tank has been removed.</b>
11. Material (steel, wood, concrete, etc.)	Steel	Steel	Steel	Steel	Steel
12. Height of water column	125'	125'	140'	114'	0'
13. Diameter of tank	50'	67'	74'	51.5'	20'
14. Height of tank	41'	52'	40'	35.5'	72'
15. Elevation of inlet above pumping station (CL pumps = 1062.9')	+29.6' (1,092.5' foundation)	-39.72' (1,023.18' foundation)	+34.6' (1,097.5' foundation)	+123.35' (1186.25' foundation)	+7.1' (1,070' foundation)
16. Distance from pumping station	2.9 miles	1.5 miles	6.5 miles	9 miles	5.75 miles
17. Capacity of each in gallons	500,000	1,000,000	1,000,000	400,000	144,000
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	Coagulant and Chlorination	Coagulant and Chlorination			
24. Function of plant-filter, soften, etc.	Clarification, disinfection, and filtration	Clarification, disinfection, and filtration			
25. Aerators, type	None	None			
26. Sedimentation	Conventional horizontal flow	Plate Settlers			
27. Dimension of each settling basin	180 Sq. ft at Top, 140 Sq. ft at bottom, x 10'3" depth	1st Stage: 41' L x 21' W x 18' D 2nd Stage: 41' L x 21' W x 17' D			
28. Kind of coagulant	Liquid Alum Polymer	Liquid Alum Polymer			
29. Pounds per million gallons	81	81			
30. Sand filtration - slow or rapid	Rapid	Rapid			
31. Number of beds	4	2			
32. Open or covered	Open	Covered			
33. Surface dimensions	1,055 Sq ft per bed	483 Sq ft per bed			
34. Capacity of beds - gallons per day (per bed)	4 MGD	2.75 MGD			
35. Mixing units, type	Mechanical paddle type	Vertical turbine rapid mixer			
36. Dimensions	40' diameter x 13' deep	3' L x 3' W x 8.25' H			
37. Flocculators, type	Second stage - each of the four units is an open steel tank	Downflow vertical turbine			
38. Dimensions	105' in diameter by 16'6" high	Dual 1st stage: 23' L x 21' W x 18' D each Dual 2nd stage: 23' L x 21' W x 17' D each			
39. Sterilization - Is water sterilized?	No	No			
40. Agent used (liquid, chlorine, etc.)	0.8% bleach	0.8% bleach			
41. Chlorinating equipment:	On-site Hypochlorite generation	On-site Hypochlorite generation			
42. Manufacturer	Severn Trent	Severn Trent			
43. Type	Hose pumps (VFD controlled)	Hose pumps (VFD controlled)			
44. Points of application	Plant influent (primary), settling basin effluent (secondary), filter effluent (post)	Plant influent (primary), Stage 2 influent (secondary), filter effluent (post)			
45. Pounds per million gallons	14.50 (chlorine from 0.8% bleach)	14.50 (chlorine from 0.8% bleach)			
46. Pressure filters	None	None			
47. Type of each	NA	NA			
48. Capacity of each	NA	NA			
49. Hardness of water treated	160 (average)	160 (average)			
50. Corrosion control, chemical agent	Liquid Lime	Liquid Lime			
51. Pound per million gallons	0	0			
52. Type of feeders (dry or slurry)	Slurry	Slurry			
53. Total H.P. of all motors used in plant	1,540 (common for both plants)	1,540 (common for both plants)			
54. How frequently is an analysis of water made?	Continuous monitoring with 2-4 hr lab tests	Continuous monitoring with 2-4 hr lab tests			

MISSOURI-AMERICAN WATER COMPANY  
For the Calendar Year January 1 - December 31, 2022  
RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Lake Carmel				
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column	104'				
13. Diameter of tank	8'				
14. Height of tank	104'				
15. Elevation of inlet above pumping station	919				
16. Distance from pumping station	25'				
17. Capacity of each in gallons	37,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?					
40. Agent used (liquid, chlorine, etc.)	Bleach 12.5 %				
41. Chlorinating equipment:	Yes				
42. Manufacturer	Stener				
43. Type	Metering Pump				
44. Points of application	Pre-Stand Pipe				
45. Pounds per million gallons	9 lbs.				
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant	8				
54. How frequently is an analysis of water made?	Continuous CL2 monitoring				

MISSOURI-AMERICAN WATER COMPANY  
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RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Lake Taneycomo (LTA) (Ground level storage)				
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column	33'				
13. Diameter of tank	12"				
14. Height of tank	36'				
15. Elevation of inlet above pumping station (CL pumps = 1062.9')	3'				
16. Distance from pumping station	10'				
17. Capacity of each in gallons	36,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description	LTA #1	LTA #2	LTA #3		
19. Material	Steel	Steel	Steel		
20. Length of tank	5'	5'	5'		
21. Diameter of tank	30"	30"	30"		
22. Capacity in gallons	119	119	119		
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	Yes, disinfection				
40. Agent used (liquid, chlorine, etc.)	chlorine, liquid				
41. Chlorinating equipment:					
42. Manufacturer	Stenner				
43. Type	injection pump				
44. Points of application	well head				
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?	daily				

**MISSOURI-AMERICAN WATER COMPANY**  
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**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)	UNIT (g)
<b>RESERVOIRS</b>						
1. Identification Number, Name, or description of each						
2. Elevation of relief						
3. Use (source of supply or clear water)						
4. Kind (earthen or masonry)						
5. Covered or open						
6. Elevated above pumping station (CL pumps = 1062.9')						
7. Distance from pumping station						
8. Total capacity in gallons						
9. Inside dimensions						
<b>STANDPIPES OR ELEVATED TANKS</b>						
10. Identification Number or description of each	Lakewood (Standpipe)	Lakewood #1 (Ground level storage)				
11. Material (steel, wood, concrete, etc.)	Steel	Steel				
12. Height of water column						
13. Diameter of tank	10'	12'				
14. Height of tank	18'	30'				
15. Elevation of inlet above pumping station (CL pumps = 1062.9')						
16. Distance from pumping station						
17. Capacity of each in gallons		25,380				
<b>PRESSURE TANKS</b>						
18. Identification number or description	Lakewood #1	Lakewood #2	Lakewood #3	Lakewood #4	Lakewood #5	Lakewood #6
19. Material	Steel	Steel	Steel	Steel	Steel	Steel
20. Length of tank	5'	5'	5'	5'	5'	5'
21. Diameter of tank	2'	2'	2'	2'	2'	2'
22. Capacity in gallons	315	315	315	315	315	315
<b>PURIFICATION SYSTEMS</b>						
23. Describe pretreatment, if any						
24. Function of plant-filter, soften, etc.						
25. Aerators, type						
26. Sedimentation						
27. Dimension of each settling basin						
28. Kind of coagulant						
29. Pounds per million gallons						
30. Sand filtration - slow or rapid						
31. Number of beds						
32. Open or covered						
33. Surface dimensions						
34. Capacity of beds - gallons per day (per bed)						
35. Mixing units, type						
36. Dimensions						
37. Flocculators, type						
38. Dimensions						
39. Sterilization - Is water sterilized?	Yes, disinfection					
40. Agent used (liquid, chlorine, etc.)	chlorine, liquid					
41. Chlorinating equipment:						
42. Manufacturer	Stenner					
43. Type	injection pump					
44. Points of application	well head					
45. Pounds per million gallons						
46. Pressure filters						
47. Type of each						
48. Capacity of each						
49. Hardness of water treated						
50. Corrosion control, chemical agent						
51. Pound per million gallons						
52. Type of feeders (dry or slurry)						
53. Total H.P. of all motors used in plant						
54. How frequently is an analysis of water made?	daily					

**MISSOURI-AMERICAN WATER COMPANY**  
 For the Calendar Year January 1 - December 31, 2022  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	elevated tank (city park)	elevated tank (69 Highway)			
11. Material (steel, wood, concrete, etc.)	steel	steel			
12. Height of water column					
13. Diameter of tank					
14. Height of tank	120 ft	120 ft			
15. Elevation of inlet above pumping station					
16. Distance from pumping station	6.5 mile	6.0 mile			
17. Capacity of each in gallons	50,000 gal.	300,000 gal			
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?					
40. Agent used (liquid, chlorine, etc.)					
41. Chlorinating equipment:					
42. Manufacturer					
43. Type					
44. Points of application					
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					

MISSOURI-AMERICAN WATER COMPANY  
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RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Maplewood (Standpipe)				
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column					
13. Diameter of tank	11'				
14. Height of tank	119'				
15. Elevation of inlet above pumping station (CL pumps = 1062.9')					
16. Distance from pumping station					
17. Capacity of each in gallons	80,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	Yes, disinfection				
40. Agent used (liquid, chlorine, etc.)	Chlorine, liquid				
41. Chlorinating equipment:					
42. Manufacturer	Stenner				
43. Type	injection pump				
44. Points of application	well head				
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated	218				
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?	daily				

MISSOURI-AMERICAN WATER COMPANY  
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RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each	CLEAR WELL				
2. Elevation or relief	RELIEF				
3. Use (source of supply or clear water)	CLEAR WATER				
4. Kind (earthen or masonry)	MASONRY				
5. Covered or open	COVERED				
6. Elevated above pumping station	NO				
7. Distance from pumping station	CONNECTING				
8. Total capacity in gallons	500,000				
9. Inside dimensions	70' X 70' X 16'				
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	PLANT-506 S Western	WEST-Lakeview St.	EAST-Highway 54 E across from Airport		
11. Material (steel, wood, concrete, etc.)	STEEL	STEEL	STEEL		
12. Height of water column	174 FT	136 FT	126 FT		
13. Diameter of tank	56 FT	40 FT	40 FT		
14. Height of tank	174 FT	136 FT	126 FT		
15. Elevation of inlet above pumping station	10 FT	10 FT	10 FT		
16. Distance from pumping station	ADJACENT	2 MILES	5 MILES		
17. Capacity of each in gallons	500,000	250,000	250,000		
<b>PRESSURE TANKS</b>					
18. Identification number or description	NONE				
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.	SOFTEN				
25. Aerators, type	INDUCED DRAFT				
26. Sedimentation	2 BASINS				
27. Dimension of each settling basin	72' X 90'				
28. Kind of coagulant	Liquid Ferric Sulfate (50% solution)				
29. Pounds per million gallons	46				
30. Sand filtration - slow or rapid	RAPID				
31. Number of beds	3				
32. Open or covered	COVERED				
33. Surface dimensions	18' X 20' EACH				
34. Capacity of beds - gallons per day (per bed)	1.555 MGD				
35. Mixing units, type	IMPELLER				
36. Dimensions	6' X 6' X 6'				
37. Flocculators, type	IMPELLER				
38. Dimensions	40' X 26' X 13'				
39. Sterilization - Is water sterilized?	YES				
40. Agent used (liquid, chlorine, etc.)	CHLORINE				
41. Chlorinating equipment:	3				
42. Manufacturer	CAPITOL CONTROLS				
43. Type	VACUUM				
44. Points of application	PRE, MID & POST				
45. Pounds per million gallons	33				
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated	301				
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant	155.75 (excluding wells & HS pumps)				
	DAILY				

**MISSOURI-AMERICAN WATER COMPANY**  
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**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each					
11. Material (steel, wood, concrete, etc.)					
12. Height of water column					
13. Diameter of tank					
14. Height of tank					
15. Elevation of inlet above pumping station (CL pumps = 1062.9')					
16. Distance from pumping station					
17. Capacity of each in gallons					
<b>PRESSURE TANKS</b>					
18. Identification number or description	N/A				
19. Material	steel				
20. Length of tank	13'				
21. Diameter of tank	9'				
22. Capacity in gallons	7,000				
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	None				
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	No				
40. Agent used (liquid, chlorine, etc.)					
41. Chlorinating equipment:					
42. Manufacturer					
43. Type					
44. Points of application					
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated	234				
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?	Meets MDNR required sampling schedule				



**MISSOURI-AMERICAN WATER COMPANY**  
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**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	s/n 2163/150				
11. Material (steel, wood, concrete, etc.)	steel				
12. Height of water column	108				
13. Diameter of tank					
14. Height of tank	110				
15. Elevation of inlet above pumping station (CL pumps = 1062.9')					
16. Distance from pumping station	no pump station				
17. Capacity of each in gallons	150,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?					
40. Agent used (liquid, chlorine, etc.)					
41. Chlorinating equipment:					
42. Manufacturer					
43. Type					
44. Points of application					
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					

**MISSOURI-AMERICAN WATER COMPANY**  
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**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Ozark Mtn #1 (Ground level storage)	Ozark Mtn #2 (Standpipe)	Ozark Mtn #3 (Standpipe)		
11. Material (steel, wood, concrete, etc.)	Steel	Steel	Steel		
12. Height of water column	33'	104'	101'		
13. Diameter of tank	12'	10'	18'		
14. Height of tank	36'	104'	101'		
15. Elevation of inlet above pumping station (CL pumps = 1062.9')	2'	2'			
16. Distance from pumping station	100 yards	15'			
17. Capacity of each in gallons	36,000	58,000	38,000		
<b>PRESSURE TANKS</b>					
18. Identification number or description	Ozark Mtn 1 #1	Ozark Mtn 1 #2	Ozark Mtn 1 #3	Ozark Mtn 1 #4	Ozark Mtn 1 #5
19. Material	Steel	Steel	Steel	Steel	Steel
20. Length of tank	5'	5'	5'	5'	5'
21. Diameter of tank	2'	2'	2'	2'	2'
22. Capacity in gallons	119	119	119	119	119
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	Yes, disinfection	Yes, disinfection	Yes, disinfection		
40. Agent used (liquid, chlorine, etc.)	chlorine, liquid	chlorine, liquid	chlorine, liquid		
41. Chlorinating equipment:					
42. Manufacturer	Stenner	Stenner	Stenner		
43. Type	injection pump	injection pump	injection pump		
44. Points of application	well head	well head	well head		
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?	daily	daily	daily		

MISSOURI-AMERICAN WATER COMPANY  
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RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each			Rankin Acres ID461174 (Ground level storage)		
11. Material (steel, wood, concrete, etc.)			Steel		
12. Height of water column					
13. Diameter of tank			9'		
14. Height of tank			10'8"		
15. Elevation of inlet above pumping station (CL pumps = 1062.9')			20"		
16. Distance from pumping station			38'		
17. Capacity of each in gallons			18,000		
<b>PRESSURE TANKS</b>					
18. Identification number or description	Ozark Mtn 1 #6	Ozark Mtn 1 #7			
19. Material	Steel	Steel			
20. Length of tank	5'	5'			
21. Diameter of tank	2'	2'			
22. Capacity in gallons	119	119			
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?			Yes, disinfection		
40. Agent used (liquid, chlorine, etc.)			Chlorine, liquid		
41. Chlorinating equipment:					
42. Manufacturer			Stenner		
43. Type			injection pump		
44. Points of application			well head		
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?			daily		

**MISSOURI-AMERICAN WATER COMPANY**  
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**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
	<b>OLD PLANT - RETIRED</b>		<b>NEW PLANT</b>		
1. Identification Number, Name, or description of each	Clear well	Clear Well			
2. Elevation or relief	Relief	Relief			
3. Use (source of supply or clear water)	Clear Water	Clear Water			
4. Kind (earthen or masonry)	Masonry	Masonry			
5. Covered or open	Covered	Covered			
6. Elevated above pumping station	No	No			
7. Distance from pumping station	Connected	Connected			
8. Total capacity in gallons	210,000	315,000			
9. Inside dimensions	70' X 40' X 10'	L:64' X W:39.5' X D:17.5'			
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Platte Woods	Crooked Road Tank	Riverside Tank	Parkcollege Tank	1000 Oak's Tank
11. Material (steel, wood, concrete, etc.)	Steel	Steel	Steel	Steel	Concrete
12. Height of water column	95 Feet	N/A	82 Feet	37 Feet	40 feet
13. Diameter of tank	44 Feet	52 Feet	33 Feet	68 Feet	80 feet
14. Height of tank	133 Feet	37 Feet	122 Feet	39 Feet	49 feet
15. Elevation of inlet above pumping station	N/A	N/A	N/A	N/A	N/A
16. Distance from pumping station	N/A	N/A	N/A	N/A	N/A
17. Capacity of each in gallons	300,000	500,000	500,000	1,000,000	1,500,000
<b>PRESSURE TANKS</b>					
18. Identification number or description	None				
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
	<b>OLD PLANT - RETIRED</b>		<b>NEW PLANT</b>		
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.	Soften	Soften			
25. Aerators, type	Induced	Induced Draft Aeration			
26. Sedimentation					
27. Dimension of each settling basin	38 Sq. Feet	Diameter: 45' Depth: 15' (2 basins)			
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid	Rapid	Rapid			
31. Number of beds	4	4			
32. Open or covered	Open	Open			
33. Surface dimensions	12'x15'	18'x18'			
34. Capacity of beds - gallons per day (per bed)	1.5 MGD	1.47 MGD			
35. Mixing units, type	Rapid	Rapid			
36. Dimensions	180 Sq Feet	324 sq. ft.			
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	Disinfected	Disinfected			
40. Agent used (liquid, chlorine, etc.)	Chlorine/Ammonia	Chlorine/Ammonia			
41. Chlorinating equipment:	2 Units	4 Units			
42. Manufacturer	Capitol Controls	Verder Pumps/Jessco Pump Skids			
43. Type	Injection	Injection			
44. Points of application	Pre & Post	Pre & Post			
45. Pounds per million gallons	21	400 (12.5% Sodium Hypochlorite)			
46. Pressure filters	N/A	N/A			
47. Type of each	N/A	N/A			
48. Capacity of each	N/A	N/A			
49. Hardness of water treated	380	380			
50. Corrosion control, chemical agent	Phosphate (8500)	Phosphate (8500)			
51. Pound per million gallons	9	27			
52. Type of feeders (dry or slurry)	N/A	N/A			
53. Total H.P. of all motors used in plant	590	950			
54. How frequently is an analysis of water made?	Daily	Daily			

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PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
N/A					
1. Identification Number, Name, or description of each					
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	North Ground Storage Standpipe (OLD)	South Ground Storage Standpipe (NEW)			
11. Material (steel, wood, concrete, etc.)	Bolted Steel	Welded Steel			
12. Height of water column	38 ft	38 ft			
13. Diameter of tank	21 ft	30 ft			
14. Height of tank	40 ft	40 ft			
15. Elevation of inlet above pumping station	310 ft	310 ft			
16. Distance from pumping station	7,815 ft	7,815 ft			
17. Capacity of each in gallons	133,000 gallons	200,000 gallons			
<b>PRESSURE TANKS</b>					
N/A					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	Aeration 1/8 HP, 1512 CFM				
24. Function of plant-filter, soften, etc.	Iron/Manganese Removal				
25. Aerators, type	induced draft aerator				
26. Sedimentation	N/A				
27. Dimension of each settling basin	N/A				
28. Kind of coagulant	N/A				
29. Pounds per million gallons	N/A				
30. Sand filtration - slow or rapid	N/A				
31. Number of beds	N/A				
32. Open or covered	N/A				
33. Surface dimensions	N/A				
34. Capacity of beds - gallons per day (per bed)	N/A				
35. Mixing units, type	N/A				
36. Dimensions	N/A				
37. Flocculators, type	N/A				
38. Dimensions	N/A				
39. Sterilization - Is water sterilized?	Yes				
40. Agent used (liquid, chlorine, etc.)	Sodium Hypochlorite				
41. Chlorinating equipment:	feed pump				
42. Manufacturer					
43. Type	Raw water tank				
44. Points of application	3				
45. Pounds per million gallons					
46. Pressure filters	3				
47. Type of each	Vertical				
48. Capacity of each	150 gpm				
49. Hardness of water treated	282				
50. Corrosion control, chemical agent	N/A				
51. Pound per million gallons	N/A				
52. Type of feeders (dry or slurry)	N/A				
53. Total H.P. of all motors used in plant	194	Low Service HP 7.5 (2)	High Service HP 75 (2)	Well HP 15 (2)	
54. How frequently is an analysis of water made?	Daily				

**MISSOURI-AMERICAN WATER COMPANY**  
 For the Calendar Year January 1 - December 31, 2022  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	10,000 Gal standpipe				
11. Material (steel, wood, concrete, etc.)	steel				
12. Height of water column					
13. Diameter of tank	10'				
14. Height of tank	17'				
15. Elevation of inlet above pumping station (CL pumps = 1062.9')	Approx 7 feet above pumps				
16. Distance from pumping station	directly above				
17. Capacity of each in gallons	10,000 Gallons				
<b>PRESSURE TANKS</b>					
18. Identification number or description	119 Gal Amtrol Model WX-350	120 Gal Amtrol Model WX-350	121 Gal Amtrol Model WX-350	122 Gal Amtrol Model WX-350	123 Gal Amtrol Model WX-350
19. Material	steel	steel	steel	steel	steel
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons	119 Gallons	120 Gallons	121 Gallons	122 Gallons	123 Gallons
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	yes				
40. Agent used (liquid, chlorine, etc.)	12.5% NaOCl				
41. Chlorinating equipment:					
42. Manufacturer					
43. Type					
44. Points of application					
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated	234				
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					

**MISSOURI-AMERICAN WATER COMPANY**  
 For the Calendar Year January 1 - December 31, 2022  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	ST60232 Elevated Tank				
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column	Unable to find height of water column &				
13. Diameter of tank					
14. Height of tank	Overall height from ground to top of tank is 85ft				
15. Elevation of inlet above pumping station (CL pumps = 1062.9')	Unable to find				
16. Distance from pumping station	= 3,150 ft				
17. Capacity of each in gallons	50,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	Yes				
40. Agent used (liquid, chlorine, etc.)	12.5% Sodium Hypochlorite (Bleach)				
41. Chlorinating equipment:	Peristaltic Pump				
42. Manufacturer	Stenner				
43. Type	Peristaltic Pump				
44. Points of application	Well #2 Wellhouse				
45. Pounds per million gallons	0.41 lbs/MG				
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant	60 HP				
54. How frequently is an analysis of water made?	Daily				

MISSOURI-AMERICAN WATER COMPANY  
For the Calendar Year January 1 - December 31, 2022  
RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Redfield Stand Pipe				
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column	109				
13. Diameter of tank	8 ft.				
14. Height of tank	110 ft.				
15. Elevation of inlet above pumping station	990				
16. Distance from pumping station	25 ft.				
17. Capacity of each in gallons	44,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?					
40. Agent used (liquid, chlorine, etc.)	Bleach 12.5 %				
41. Chlorinating equipment:	Yes				
42. Manufacturer	Stener				
43. Type	Metering pump				
44. Points of application	Pre-Stand Pipe				
45. Pounds per million gallons	9 lbs.				
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated	264 mg/l				
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?	continuous on-line Cl2 monitor				



MISSOURI-AMERICAN WATER COMPANY  
 For the Calendar Year January 1 - December 31, 2022  
 RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Riverside (Ground level storage)				
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column	24'				
13. Diameter of tank	24'				
14. Height of tank	27'				
15. Elevation of inlet above pumping station (CL pumps = 1062.9')	2'				
16. Distance from pumping station	20'				
17. Capacity of each in gallons	100,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description	Riverside #1	Riverside #2	Riverside #3		
19. Material	Fiberglass	Fiberglass	Fiberglass		
20. Length of tank	5'	5'	5'		
21. Diameter of tank	2'	2'	2'		
22. Capacity in gallons	119	119	119		
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	yes, disinfection				
40. Agent used (liquid, chlorine, etc.)	liquid chlorine				
41. Chlorinating equipment:					
42. Manufacturer	Stenner				
43. Type	injection pump				
44. Points of application	well head				
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					

**MISSOURI-AMERICAN WATER COMPANY**  
 For the Calendar Year January 1 - December 31, 2022  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>Ground Storage</b>					
10. Identification Number or description of each	Ground Storage Highland Tank				
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column					
13. Diameter of tank	8 FT				
14. Length of tank	20 FT				
15. Elevation of inlet above pumping station					
16. Distance from pumping station					
17. Capacity of each in gallons	4,500				
<b>PRESSURE TANKS</b>					
18. Identification number or description	Pressure Tank Highland Tank				
19. Material	Steel				
20. Length of tank	20 FT				
21. Diameter of tank	8 FT				
22. Capacity in gallons	4,500 Gallon				
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	salt				
24. Function of plant-filter, soften, etc.	softener				
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?					
40. Agent used (liquid, chlorine, etc.)					
41. Chlorinating equipment:					
42. Manufacturer					
43. Type					
44. Points of application					
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					

Acquired in 2018

MISSOURI-AMERICAN WATER COMPANY  
 For the Calendar Year January 1 - December 31, 2022  
 RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
	N/A				
1. Identification Number, Name, or description of each					
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Saddlebrooke				
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column					
13. Diameter of tank					
14. Height of tank	80'				
15. Elevation of inlet above pumping station (CL pumps = 1062.9')					
16. Distance from pumping station					
17. Capacity of each in gallons	250,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	yes, disinfection				
40. Agent used (liquid, chlorine, etc.)	liquid chlorine				
41. Chlorinating equipment:					
42. Manufacturer	Stenner				
43. Type	injection pump				
44. Points of application	well head				
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					

**MISSOURI-AMERICAN WATER COMPANY**  
 For the Calendar Year January 1 - December 31, 2022  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Spokane (Ground level storage)				
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column	18'				
13. Diameter of tank	12'				
14. Height of tank	18'				
15. Elevation of inlet above pumping station (CL pumps = 1062.9')	10'				
16. Distance from pumping station	20'				
17. Capacity of each in gallons	15,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description	Spokane Bladder Tank #1	Spokane Bladder Tank #2			
19. Material	Steel	Steel			
20. Length of tank	5'	5'			
21. Diameter of tank	2'	2'			
22. Capacity in gallons	86	86			
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	yes, disinfection				
40. Agent used (liquid, chlorine, etc.)	liquid chlorine				
41. Chlorinating equipment:					
42. Manufacturer	Stenner				
43. Type	injection pump				
44. Points of application	well head				
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					

**MISSOURI-AMERICAN WATER COMPANY**  
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**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each					
11. Material (steel, wood, concrete, etc.)					
12. Height of water column					
13. Diameter of tank					
14. Height of tank					
15. Elevation of inlet above pumping station (CL pumps = 1062.9')					
16. Distance from pumping station					
17. Capacity of each in gallons					
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material	Spring Valley #1	Spring Valley #2	Spring Valley #3	Spring Valley #4	
20. Length of tank	Steel	Steel	Steel	Steel	
21. Diameter of tank	5'	5'	5'	5'	
22. Capacity in gallons	2'	2'	2'	2'	
	119	119	119	119	
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	Yes, disinfection				
40. Agent used (liquid, chlorine, etc.)	chlorine - liquid				
41. Chlorinating equipment:					
42. Manufacturer	Stenner				
43. Type	vacuum induction				
44. Points of application	well head				
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					

**MISSOURI-AMERICAN WATER COMPANY**  
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**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each	NA				
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station (CL pumps = 1062.9')					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Stonebridge tower (spheroid)	Forest Lake ground storage tank (cylindrical)			
11. Material (steel, wood, concrete, etc.)	Steel	Steel			
12. Height of water column	69'	14'			
13. Diameter of tank	40"	44"			
14. Height of tank	96'	22'			
15. Elevation of inlet above pumping station (CL pumps = 1062.9')					
16. Distance from pumping station					
17. Capacity of each in gallons	400,000	250,000			
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	Yes, disinfection	Yes, disinfection			
40. Agent used (liquid, chlorine, etc.)	Liquid	Liquid			
41. Chlorinating equipment:					
42. Manufacturer	Stenner	Stenner			
43. Type	Injection pump	Injection pump			
44. Points of application	Well head	Well head			
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					

**MISSOURI-AMERICAN WATER COMPANY**  
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**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Well #4 5024601104	Well #5 5024601105	Well #6		
11. Material (steel, wood, concrete, etc.)	Steel	Steel	Steel		
12. Height of water column					
13. Diameter of tank	30'	29'	27'		
14. Height of tank	68'	88'	118'		
15. Elevation of inlet above pumping station					
16. Distance from pumping station					
17. Capacity of each in gallons	400,000	445,000	500,000		
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	Yes, disinfection	Yes, disinfection	Yes, disinfection		
40. Agent used (liquid, chlorine, etc.)	Liquid	Gas	Liquid		
41. Chlorinating equipment:					
42. Manufacturer	Stenner	Regal	Stenner		
43. Type	Injection pump	Vacuum induction	Injection pump		
44. Points of application	Well head	Well head	Well head		
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?	daily	daily	daily		

**MISSOURI-AMERICAN WATER COMPANY**  
 For the Calendar Year January 1 - December 31, 2022  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	TRE Well MO5036232				
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column					
13. Diameter of tank	10'				
14. Height of tank	17'				
15. Elevation of inlet above pumping station					
16. Distance from pumping station	15'				
17. Capacity of each in gallons	10,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description	1	2	3		
19. Material					
20. Length of tank	48"	48"	60"		
21. Diameter of tank	18"	18"	18"		
22. Capacity in gallons	62	62	70		
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Disinfection - Is water disinfected?	Yes, disinfection				
40. Agent used (liquid, chlorine, etc.)	Liquid				
41. Chlorinating equipment:					
42. Manufacturer	Stenner				
43. Type	Injection pump				
44. Points of application	Well head				
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated	328 mg/L				
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					



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RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each	None				
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	EHLMANN RD	HARVESTER RD	HARVESTER RD	TOWERS RD	KNAUST RD
11. Material (steel, wood, concrete, etc.)	STEEL	STEEL	STEEL	STEEL	STEEL
12. Height of water column	35 FEET	100 FEET	100 FEET	85 FEET	133 FEET
13. Diameter of tank	48 FEET	78 FEET	50 FEET	65 FEET	98 FEET
14. Height of tank	35 FEET	100 FEET	100 FEET	85 FEET	140 FEET
15. Elevation of inlet above pumping station	74 FEET	164 FEET	165 FEET	175 FEET	238 FEET
16. Distance from pumping station	6.87 MILES	2.85 MILES	2.85 MILES	0.94 MILES	6.5 MILES
17. Capacity of each in gallons	500,000	3,500,000	1,500,000	2,000,000	2,000,000
<b>PRESSURE TANKS</b>					
18. Identification number or description	None				
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	None				
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?					
40. Agent used (liquid, chlorine, etc.)					
41. Chlorinating equipment:					
42. Manufacturer					
43. Type					
44. Points of application					
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?	Continuous monitoring for CL2 and Turbidity	Continuous monitoring for CL2 and Turbidity	Continuous monitoring for CL2 and Turbidity	Continuous monitoring for CL2 and Turbidity	Continuous monitoring for CL2 and Turbidity

MISSOURI-AMERICAN WATER COMPANY  
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RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Landis Standpipe	Union Stand Pipe	Agency Stand Pipe		
11. Material (steel, wood, concrete, etc.)	Steel	Steel	Steel		
12. Height of water column	110'	110'	120'		
13. Diameter of tank	10'	8'	10'		
14. Height of tank	110'	110'	120'		
15. Elevation of inlet above pumping station	262	257	228		
16. Distance from pumping station	10 Miles	6 Miles	8.5 Miles		
17. Capacity of each in gallons	.064 MG	.041MG	.070MG		
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?					
40. Agent used (liquid, chlorine, etc.)					
41. Chlorinating equipment:					
42. Manufacturer					
43. Type					
44. Points of application					
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					

**MISSOURI-AMERICAN WATER COMPANY**  
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**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each	King Hill North	King Hill South	Hill #1	Hill #2	Water Treatment Plant
2. Elevation or relief	35'	35'	39.5'	39.5'	18'
3. Use (source of supply or clear water)	Clear Water	Clear Water	Clear Water	Clear Water	Clear Water
4. Kind (earthen or masonry)	Steel	Steel	Steel	Steel	Concrete
5. Covered or open	Covered	Covered	Covered	Covered	Covered
6. Elevated above pumping station	246'	246'	326'	326'	0
7. Distance from pumping station	7.1 Miles	7.1 Miles	2600'	2600'	0
8. Total capacity in gallons	2.0 MG	2.0 MG	3.3 MG	3.3 MG	1.5 MG
9. Inside dimensions	100' x 35'	100' x 35'	120' x 40'	130' x 40'	109' x 52.7'
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Faucet	Belt Hwy	So. 22nd St. Tank	Industrial Park Tank	Karnes Road Tank
11. Material (steel, wood, concrete, etc.)	Sold 2014	Sold 2014	Steel	Steel	Steel
12. Height of water column	Not In service	Not In service	133'	13.7'	150'
13. Diameter of tank			56"	75.5"	64.5"
14. Height of tank			133'	137'	150'
15. Elevation of inlet above pumping station			188'	211.4'	222.1'
16. Distance from pumping station			2.4 Miles	5.0 Miles	2.5 Miles
17. Capacity of each in gallons			0.5 MG	1.0 MG	0.75 MG
<b>PRESSURE TANKS</b>					
18. Identification number or description	None				
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.	Soften, Oxidation, Sedimentation, Filtration, Disinfection				
25. Aerators, type	None				
26. Sedimentation	Clarifier #1	Clarifier #2	Clarifier #3		
27. Dimension of each settling basin	105' x 22'	105' x 22'	105' x 22'		
28. Kind of coagulant	NA	NA	NA		
29. Pounds per million gallons	0	0	0		
30. Sand filtration - slow or rapid	Rapid	Rapid	Rapid		
31. Number of beds	6 each	6 each	6 each		
32. Open or covered	Covered	Covered	Covered		
33. Surface dimensions	15' x 25'	15' x 25'	15' x 25'		
34. Capacity of beds - gallons per day (per bed)	6,000,000 each	6,000,000 each	6,000,000 each		
35. Mixing units, type	Rapid Mixer -2 each	Rapid Mixer -2 each	Rapid Mixer -2 each		
36. Dimensions	8' 4" x 5' 6" each	8' 4" x 5' 6" each	8' 4" x 5' 6" each		
37. Flocculators, type	Eurodrive, Vertical Floccul.	Eurodrive, Vertical Floccul.	Eurodrive, Vertical Floccul.		
38. Dimensions	9' 0" Diameter each	9' 0" Diameter each	9' 0" Diameter each		
39. Sterilization - Is water sterilized?	Disinfected				
40. Agent used (liquid, chlorine, etc.)	Chlorine, Ammonia				
41. Chlorinating equipment	5 ea. Capital, 2 ea. Capital				
42. Manufacturer	Capital Controls				
43. Type	Evaporator, Vacuum-Gas Feed-Automatic Control				
	Plant Influent Flume				
	Clarifier Influent Flume				
	Filter Influent Flume				
	Cleanwell Influent Flume				
44. Points of application	Chlorine - 49.82.0,				
	Ammonia 5.4				
45. Pounds per million gallons	No				
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated	340				
	Pebble Quick Lime, Poly-Ortho phosphate blend				
50. Corrosion control, chemical agent	Pebble Quick Lime 1044.0	Pebble Quick Lime			
51. Pound per million gallons	Gravimetric Dry	Pump Slurry	Pump Slurry		
52. Type of feeders (dry or slurry)	Well Pumps - 3,950				
	Plant Pumps - 1,000				
53. Total H.P. of all motors used in plant	Constantly to 1 year depending on parameter.				
54. How frequently is an analysis of water made?					

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**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each	Filter Plant Clearwell #1	Filter Plant Clearwell #2			
2. Elevation or relief	461.2 M.S.L	469.75 M.S.L			
3. Use (source of supply or clear water)	Clear Water	Clear Water			
4. Kind (earthen or masonry)	Masonry	Masonry			
5. Covered or open	Covered	Covered			
6. Elevated above pumping station	12.5'	9.5'			
7. Distance from pumping station	100'	15'			
8. Total capacity in gallons	261,000	670,000			
9. Inside dimensions	114.5' x 43.5' x 7'	138.5' x 50' x 13'			
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Wash Water Tank #1	Wash Water Tank #2	Wash Water Tank #3		
11. Material (steel, wood, concrete, etc.)	Steel	Steel	Steel		
12. Height of water column	52'	40'	40'		
13. Diameter of tank	34'	38'	90'		
14. Height of tank	65'	60'	28'		
15. Elevation of inlet above pumping station	30'	8'	8'		
16. Distance from pumping station	100'	75'	50'		
17. Capacity of each in gallons	160,000	1,270,000	1,333,000		
<b>PRESSURE TANKS</b>					
18. Identification number or description	None				
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	A Treatment Train - Coagulant & Chlorination	B Treatment Train - Coagulant & Chlorination	C/D/FP Treatment Train - Coagulant & Chlorination		
24. Function of plant-filter, soften, etc.	Soften, Clarification, Filtration, Disinfection	Soften, Clarification, Filtration, Disinfection	Soften, Clarification, Filtration, Disinfection		
25. Aerators, type	None	None	None		
26. Sedimentation	Horizontal Flow	Horizontal Flow	Horizontal Flow		
27. Dimension of each settling basin	Primary = 369' x 166.5' x 16', Secondary = 369' x 311' x 16'	Primary = 369' x 166.5' x 16', Secondary = 369' x 311' x 16'	Primary 1) 580' x 108' 1) 465' x 108' 1) 455' x 119' 1) 458' x 258' X Depth = 13.5' Secondary = 2) Irregular Shapes		
28. Kind of coagulant	Liquid Ferric Sulfate and Polymer	Liquid Ferric Sulfate and Polymer	Liquid Ferric Sulfate, and Polymer		
29. Pounds per million gallons	Total for all treatment trains - Liquid Ferric = 210, Polymer = 19	n/a	n/a		
30. Sand filtration - slow or rapid	Rapid	Rapid	Rapid		
31. Number of beds	6	6	22		
32. Open or covered	Open	Open	Covered		
33. Surface dimensions	50' x 32'	50' x 32'	16 @ 43.5' x 12' & 6 @ 50' x 20'		
34. Capacity of beds - gallons per day (per bed)	66,000,000	66,000,000	16 @ 49,000,000 & 6 @ 35,000,000		
35. Mixing units, type	Flash Mix	Flash Mix	Flash Mix		
36. Dimensions	A=34' X D=15'	A=36.5' X D=15'	2) A=105' X D 12'		
37. Flocculators, type	Paddle Type	Paddle Type	Paddle Type		
38. Dimensions	369' x 53.5.5' x 16'	369' x 53.5.5' x 16'	1) 78' x 98' 1) 72' x 108' 1) 70' x 119' 1) 88' x 253' X Depth = 13.5'		
39. Sterilization - Is water sterilized?	Yes	Yes	Yes		
40. Agent used (liquid, chlorine, etc.)	Chlorine	Chlorine	Chlorine		
41. Chlorinating equipment:	Evaporator	Evaporator	Evaporator		
42. Manufacturer	Wallace & Tiernan	Wallace & Tiernan	Wallace & Tiernan		
43. Type	Ejector	Ejector	Ejector		
44. Points of application	Flash Mix	Flash Mix	Flash Mix		
45. Pounds per million gallons	Total for all treatment trains = 37.4	n/a	n/a		
46. Pressure filters	None	None	None		
47. Type of each	None	None	None		
48. Capacity of each	None	None	None		
49. Hardness of water treated	232 mg/L (raw)	232 mg/L (raw)	232 mg/L (raw)		
50. Corrosion control, chemical agent	Polyphosphate	Polyphosphate	Polyphosphate		
51. Pound per million gallons	Total for all treatment trains = 9.9	n/a	n/a		
52. Type of feeders (dry or slurry)	Slurry & Liquid	Slurry & Liquid	Slurry & Liquid		
53. Total H.P. of all motors used in plant	30,500	n/a	n/a		
54. How frequently is an analysis of water made?	Continuous monitoring, lab tests twice daily and as needed.	Continuous monitoring, lab tests twice daily and as needed.	Continuous monitoring, lab tests twice daily and as needed.		

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PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each	None				
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Wash Water Tank				
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column	40'				
13. Diameter of tank	65'				
14. Height of tank	NA				
15. Elevation of inlet above pumping station	NA				
16. Distance from pumping station	142'				
17. Capacity of each in gallons	1,000,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description	None				
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	Coagulant & Chlorination	Coagulant & Chlorination	Coagulant & Chlorination	Coagulant & Chlorination	Coagulant & Chlorination
24. Function of plant-filter, soften, etc.	Softening, Clarification, Filtration, Disinfection	Softening, Clarification, Filtration, Disinfection	Softening, Clarification, Filtration, Disinfection	Softening, Clarification, Filtration, Disinfection	Softening, Clarification, Filtration, Disinfection
25. Aerators, type	None	None	None	None	None
26. Sedimentation	Horizontal Flow	Horizontal Flow	Horizontal Flow	Horizontal Flow	Horizontal Flow
27. Dimension of each settling basin	Softening - 90' diameter x 16' deep	Softening - 90' diameter x 16' deep	Softening - 90' diameter x 16' deep	Softening - 90' diameter x 16' deep	Softening - 90' diameter x 16' deep
28. Kind of coagulant	Primary Settling - 91.1' x 172' with sloped sides	Primary Settling - 91.1' x 172' with sloped sides	Primary Settling - 90.7' x 172' with sloped sides	Primary Settling - 90.7' x 172' with sloped sides	Primary Settling - 90.7' x 172' with sloped sides
29. Pounds per million gallons	Secondary Settling - 207' x 172' with sloped sides	Secondary Settling - 207' x 172' with sloped sides	Secondary Settling - 222.4' x 172' with sloped sides	Secondary Settling - 222.4' x 172' with sloped sides	Secondary Settling - 222.4' x 172' with sloped sides
30. Sand filtration - slow or rapid	Ferric Chloride	Ferric Chloride	Ferric Chloride	Ferric Chloride	Ferric Chloride
31. Number of beds	384	384	384	384	384
32. Open or covered	Rapid	Rapid	Rapid	Rapid	Rapid
33. Surface dimensions	2	2	2	2	2
34. Capacity of beds - gallons per day (per bed)	Open	Open	Open	Open	Open
35. Mixing units, type	1,408 Sq. Ft. per bed	1,408 Sq. Ft. per bed	1,456 Sq. Ft. per bed	1,456 Sq. Ft. per bed	1,456 Sq. Ft. per bed
36. Dimensions	6 MGD	6 MGD	6 MGD	6 MGD	6 MGD
37. Flocculators, type	Softener Turbine	Softener Turbine	Softener Turbine	Softener Turbine	Softener Turbine
38. Dimensions	NA	NA	NA	NA	NA
39. Sterilization - Is water sterilized?	Paddle Type - with Air Wheels	Paddle Type - with Air Wheels	Paddle Type - with Air Wheels	Paddle Type - with Air Wheels	Paddle Type - with Air Wheels
40. Agent used (liquid, chlorine, etc.)	49.6' x 172' x 16" high - with sloped sides	49.6' x 172' x 16" high - with sloped sides	49.6' x 172' x 16" high - with sloped sides	49.6' x 172' x 16" high - with sloped sides	49.6' x 172' x 16" high - with sloped sides
41. Chlorinating equipment:	Yes	Yes	Yes	Yes	Yes
42. Manufacturer	0.8% bleach	0.8% bleach	0.8% bleach	0.8% bleach	0.8% bleach
43. Type	Metering Pump	Metering Pump	Metering Pump	Metering Pump	Metering Pump
44. Points of application	Verder	Verder	Verder	Verder	Verder
45. Pounds per million gallons	Peristaltic (hose) pumps (VFD)	Peristaltic (hose) pumps (VFD)	Peristaltic (hose) pumps (VFD)	Peristaltic (hose) pumps (VFD)	Peristaltic (hose) pumps (VFD)
46. Pressure filters	Plant influent (primary)	Plant influent (primary)	Plant influent (primary)	Plant influent (primary)	Plant influent (primary)
47. Type of each	Mixing Zone (secondary)	Mixing Zone (secondary)	Mixing Zone (secondary)	Mixing Zone (secondary)	Mixing Zone (secondary)
48. Capacity of each	filter effluent (post)	filter effluent (post)	filter effluent (post)	filter effluent (post)	filter effluent (post)
49. Hardness of water treated	186.3 lb/MG (salt)	186.3 lb/MG (salt)	186.3 lb/MG (salt)	186.3 lb/MG (salt)	186.3 lb/MG (salt)
50. Corrosion control, chemical agent	None	None	None	None	None
51. Pound per million gallons	NA	NA	NA	NA	NA
52. Type of feeders (dry or slurry)	NA	NA	NA	NA	NA
53. Total H.P. of all motors used in plant	174 mg/L (raw)	174 mg/L (raw)	174 mg/L (raw)	174 mg/L (raw)	174 mg/L (raw)
54. How frequently is an analysis of water made?	Polyphosphate	Polyphosphate	Polyphosphate	Polyphosphate	Polyphosphate
	10	10	10	10	10
	Slurry	Slurry	Slurry	Slurry	Slurry
	Intakes - 1,800	Intakes - 1,800	Intakes - 1,800	Intakes - 1,800	Intakes - 1,800
	High Service - 4,800	High Service - 4,800	High Service - 4,800	High Service - 4,800	High Service - 4,800
	Continuous monitoring, lab tests twice daily and as needed.	Continuous monitoring, lab tests twice daily and as needed.	Continuous monitoring, lab tests twice daily and as needed.	Continuous monitoring, lab tests twice daily and as needed.	Continuous monitoring, lab tests twice daily and as needed.

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PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each	None				
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	West Wash Water Tank	East Wash Water Tank			
11. Material (steel, wood, concrete, etc.)	Steel	Steel			
12. Height of water column	29'	29'			
13. Diameter of tank	52'	57'			
14. Height of tank	33'	NA			
15. Elevation of inlet above pumping station	43.08 feet above	41 feet above			
16. Distance from pumping station	330'	420'			
17. Capacity of each in gallons	500,000	500,000			
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	Coagulant, Chlorination	Coagulant, Chlorination			
24. Function of plant-filter, soften, etc.	Soften, Clarification, Filtration, Disinfection	Soften, Clarification, Filtration, Disinfection			
25. Aerators, type	None	None			
26. Sedimentation	Horizontal flow	Horizontal flow			
27. Dimension of each settling basin	Pre-Sed - 200' dia Primary - 146.5' x 354' Secondary - 195.5' x 354'	Pre-Sed - 230' dia Primary - 180' x 372' Secondary - 316' x 372'			
28. Kind of coagulant	Ferric Sulfate, Polymer	Ferric Sulfate, Polymer			
29. Pounds per million gallons	Ferric = 250 Polymer = 18.2	Ferric = 250 Polymer = 18.2			
30. Sand filtration - slow or rapid	Rapid	Rapid			
31. Number of beds	6	6			
32. Open or covered	Open	Open			
33. Surface dimensions	30' x 48'	32' x 50'			
34. Capacity of beds - gallons per day (per bed)	6 MG	10 MG			
35. Mixing units, type	Flash Mix	Flash Mix			
36. Dimensions	9' x 3'	9' x 3'			
37. Flocculators, type	Paddle Type	Paddle Type			
38. Dimensions	Primary - 67' x 354' Secondary - 49' x 354'	Primary - 66.67' x 372' Secondary - 49.33' x 372'			
39. Sterilization - Is water sterilized?	Yes	Yes			
40. Agent used (liquid, chlorine, etc.)	Chlorine	Chlorine			
41. Chlorinating equipment:	Evaporator	Evaporator			
42. Manufacturer	Wallace Tiernan	Wallace Tiernan			
43. Type	Ejector	Ejector			
44. Points of application	Flash Mix	Flash Mix			
45. Pounds per million gallons	38	38			
46. Pressure filters	None	None			
47. Type of each	NA	NA			
48. Capacity of each	NA	NA			
49. Hardness of water treated	232 mg/L (raw)	232 mg/L (raw)			
50. Corrosion control, chemical agent	Polyphosphate	Polyphosphate			
51. Pound per million gallons	10	10			
52. Type of feeders (dry or slurry)	Liquid	Liquid			
53. Total H.P. of all motors used in plant	11,500				
54. How frequently is an analysis of water made?	Continuous monitoring, lab tests three times daily and as needed.	Continuous monitoring, lab tests three times daily and as needed.			

MISSOURI-AMERICAN WATER COMPANY  
 For the Calendar Year January 1 - December 31, 2022  
 RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each	None				
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Wash Water Tank				
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column	45'				
13. Diameter of tank	59'				
14. Height of tank	59'				
15. Elevation of inlet above pumping station	53.3'				
16. Distance from pumping station	0.1 mile				
17. Capacity of each in gallons	1,200,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description	None				
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	Coagulant & Chlorination	Coagulant & Chlorination			
24. Function of plant-filter, soften, etc.	Soften, Clarification, disinfection, and filtration	Clarification, disinfection, and filtration			
25. Aerators, type	None	None			
26. Sedimentation	Horizontal Flow	Horizontal Flow			
27. Dimension of each settling basin	34,000 sq. ft. top X 20,000 sq. ft. bottom X 15' deep	40,000 sq. ft. top X 32,000 sq. ft. bottom X 15' deep			
28. Kind of coagulant	Liquid Ferric Chloride	Liquid Ferric Chloride			
29. Pounds per million gallons	349	349			
30. Sand filtration - slow or rapid	Rapid	Rapid			
31. Number of beds	2	3			
32. Open or covered	Open	Open			
33. Surface dimensions	1,800 Sq. Ft. Each	1,564 Sq. Ft. Each			
34. Capacity of beds - gallons per day (per bed)	8.7 MGD	7.5 MGD			
35. Mixing units, type	Softener turbine	Softener turbine			
36. Dimensions	452 sq. ft. X 15' deep	1,500 sq. ft. X 15' deep			
37. Flocculators, type	Paddle Type	Paddle Type			
38. Dimensions	7,650 sq. ft. top X 4,500 sq. ft. bottom X 15' deep	10,000 sq. ft. top X 8,000 sq. ft. bottom X 15' deep			
39. Sterilization - Is water sterilized?	Yes	Yes			
40. Agent used (liquid, chlorine, etc.)	0.8% Bleach/13% Bleach	0.8% Bleach/13% Bleach			
41. Chlorinating equipment:	Metering pump	Metering pump			
42. Manufacturer	Baldor-Reliance	Baldor-Reliance			
43. Type	Centrifugal Pump (Mag Drive)	Centrifugal Pump (Mag Drive)			
44. Points of application	Plant influent (primary), Mixing Zone (secondary), filter effluent (post)	Plant influent (primary), Mixing Zone (secondary), filter effluent (post)			
45. Pounds per million gallons	6.38 lb as salt/331 (as 13% Bleach)	6.38 lb as salt/331 (as 13% Bleach)			
46. Pressure filters	None	None			
47. Type of each	N/A	N/A			
48. Capacity of each	N/A	N/A			
49. Hardness of water treated	177 mg/L (raw)	177 mg/L (raw)			
50. Corrosion control, chemical agent	Polyphosphate	Polyphosphate			
51. Pound per million gallons	10	10			
52. Type of feeders (dry or slurry)	Liquid	Liquid			
53. Total H.P. of all motors used in plant	5,500				
54. How frequently is an analysis of water made?	Continuous monitoring, lab tests twice daily and as needed.	Continuous monitoring, lab tests twice daily and as needed.			

**PgW-12\_Storage & Purif**  
**Missouri-American Water Company**  
**For the Calendar Year January 1 - December 31, 2022**  
**Standpipe, Elevated and Ground Tanks**  
**For the Calendar Year 2022**

Unit Name	Identification Number, Name or Description of Each	Material (steel, concrete, etc.)	Height of Water Column (Feet)	Diameter of Tank (Feet)	Height of Tank (Feet)	Elevation of Inlet above Pumping Station (Feet)	Distance from Pumping Station (Miles)	Capacity in (Gallons)
Affton No. 2	Ground	Steel	50.0	72	59.50	177	4.5	1,520,000
Affton No. 3	Ground	Steel	50.0	117	55.33	177	4.5	4,000,000
Baxter	Ground	Steel	44.5	175	52.17	184	4.0	8,000,000
Carman	Ground	Steel	50.0	117	55.33	183	8.0	4,000,000
Cherry Hills	Ground	Steel	50.0	117	55.33	331	10.0	4,000,000
Clayton	Ground	Steel	32.2	116	53.00	203	5.0	2,540,000
Crestview	Elevated	Steel	140.0	55.5	152.00	313	9.0	500,000
Fee Fee	Ground	Steel	46.0	172	55.50	180	4.0	8,000,000
Ferguson	Elevated	Steel	113.5	38	119.08	204	5.0	250,000
Florissant	Ground	Steel	34.0	114	50.50	111	3.0	2,500,000
Foerster	Ground	Steel	50.0	117	55.33	161	6.0	4,000,000
Hawkins	Ground	Steel	49.5	92	53.50	206	4.0	2,460,000
Hazelwood No. 1	Ground	Steel	47.3	120	69.83	139	8.0	4,000,000
Hazelwood No. 2	Ground	Steel	49.3	118	53.25	137	8.0	4,000,000
Kehr's Mill No. 1	Elevated	Steel	114.0	40	117.00	311	5.5	250,000
Kehr's Mill No. 2	Ground	Steel	49.5	92	61.17	308	5.5	2,460,000
Mehlville No. 2	Ground	Steel	60.5	75	73.17	193	5.0	2,000,000
Mehlville No. 3	Ground	Steel	60.5	75	70.75	193	5.0	2,000,000
Norwood	Ground	Steel	49.5	92	51.00	159	7.5	2,460,000
Oakville No. 1	Elevated	Steel	92.5	32	94.17	177	7.5	150,000
Oakville No. 2	Ground	Steel	50.0	72	53.75	172	7.5	1,500,000
Olds Halls Ferry	Ground	Steel	44.5	175	52.17	157	4.5	8,000,000
Paradise Valley	Ground	Steel	65.0	20	68.00	327	6.7	150,000
Rockwood	Elevated	Steel	106.0	23.5	107.00	379	11.5	50,000
Sappington No. 1	Ground	Steel	49.5	92	61.17	202	3.0	2,460,000
Sappington No. 2	Ground	Steel	49.5	92	61.17	202	3.0	2,460,000
Stratman No. 1	Ground	Steel	32.7	240	35.00	268	8.0	11,000,000
Stratman No. 2	Ground	Steel	27.3	264	30.00	273	8.0	11,260,000
Sunset	Elevated	Steel	95.0	40	99.25	235	1.5	250,000
Tesson Ferry 1	Ground	Steel	33.3	125	37.00	202	2.5	3,000,000
Tesson Ferry 2	Ground	Steel	33.3	125	37.00	202	2.5	3,000,000
Valley Park	Ground	Steel	50.0	50	55.00	84	11.5	750,000
Walton	Ground	Steel	50.0	117	55.33	204	8.4	4,000,000
Wild Horse	Ground	Steel	38.0	48	40.00	348	11	500,000

Out-of-Service



**MISSOURI-AMERICAN WATER COMPANY**  
 For the Calendar Year January 1 - December 31, 2022  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each		Ground Storage Well # 2			
2. Elevation or relief		752 elevation			
3. Use (source of supply or clear water)		source of supply			
4. Kind (earthen or masonry)		masonry			
5. Covered or open		covered			
6. Elevated above pumping station		level			
7. Distance from pumping station		50 Ft			
8. Total capacity in gallons		250000 Gal			
9. Inside dimensions		69.33' x44.75' x10'+16'x33.75' x10			
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each		Well #1 Church view			
11. Material (steel, wood, concrete, etc.)		Steel			
12. Height of water column		100'			
13. Diameter of tank		32'			
14. Height of tank		128 ft			
15. Elevation of inlet above pumping station		100'			
16. Distance from pumping station		75'			
17. Capacity of each in gallons		150000 Gal.			
<b>PRESSURE TANKS</b>					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?					
40. Agent used (liquid, chlorine, etc.)		liquid bleach 13%	liquid bleach 13%		
41. Chlorinating equipment:		Stenner pump, tank	Stenner pump, tank		
42. Manufacturer					
43. Type					
44. Points of application		point of entry	point of entry		
45. Pounds per million gallons		1.5 ppm	1.5 ppm		
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant		50	100		
54. How frequently is an analysis of water made?		continuous CL2 monitoring	continuous CL2 monitoring		

**MISSOURI-AMERICAN WATER COMPANY**  
 For the Calendar Year January 1 - December 31, 2022  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
None					
1. Identification Number, Name, or description of each					
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	ELEVATED TANK				
11. Material (steel, wood, concrete, etc.)	STEEL				
12. Height of water column	61 FEET				
13. Diameter of tank	36 FEET				
14. Height of tank	30 FEET				
15. Elevation of inlet above pumping station	60 FEET				
16. Distance from pumping station	60 FEET				
17. Capacity of each in gallons	200,000				
<b>PRESSURE TANKS</b>					
None					
18. Identification number or description					
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
None					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?					
40. Agent used (liquid, chlorine, etc.)					
41. Chlorinating equipment:					
42. Manufacturer					
43. Type					
44. Points of application					
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?	Continuous monitoring for CL2 and Turbidity				

**MISSOURI-AMERICAN WATER COMPANY**  
 For the Calendar Year January 1 - December 31, 2022  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description or each	Clear well	Enterprise Tank			
2. Elevation or relief	Relief	Relief			
3. Use (source of supply or clear water)	Clear water	Clear water			
4. Kind (earthen or masonry)	Concrete	Masonry			
5. Covered or open	Covered	Covered			
6. Elevated above pumping station	No	Yes			
7. Distance from pumping station	0	150'			
8. Total capacity in gallons	660,000	750,000			
9. Inside dimensions	95' x 13'	50' x 50'			
<b>STANDPIPES OR ELEVATED TANKS</b>					
	Elevated Tank	Elevated Tank			
10. Identification Number or description of each	North Tower	South Tower			
11. Material (steel, wood, concrete, etc.)	Steel	Steel			
12. Height of water column	120 Feet	125 Feet			
13. Diameter of tank	40 Feet	50 Feet			
14. Height of tank	123 Feet	128 Feet			
15. Elevation of inlet above pumping station					
16. Distance from pumping station	2 Miles	1 Mile			
17. Capacity of each in gallons	250,000	500,000			
<b>PRESSURE TANKS</b>					
18. Identification number or description	None				
19. Material					
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons					
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation	None				
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid	None				
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type	None				
36. Dimensions					
37. Flocculators, type	None				
38. Dimensions					
39. Sterilization - Is water sterilized?	Yes				
40. Agent used (liquid, chlorine, etc.)	Chlorine gas & Ozone				
41. Chlorinating equipment:	2 Units				
42. Manufacturer	Capital Controls				
43. Type	Injector				
44. Points of application	Post				
45. Pounds per million gallons	1.4 Residual; Finished				
46. Pressure filters	None				
47. Type of each					
48. Capacity of each					
49. Hardness of water treated	220 mg/L				
50. Corrosion control, chemical agent	Poly-phosphate				
51. Pound per million gallons	1.0 Residual; Finished				
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					

MISSOURI-AMERICAN WATER COMPANY  
For the Calendar Year January 1 - December 31, 2022  
RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description of each					
2. Elevation of relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station'					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Whitebranch #1 (Standpipe)				
11. Material (steel, wood, concrete, etc.)	Steel				
12. Height of water column					
13. Diameter of tank	11'				
14. Height of tank	119'				
15. Elevation of inlet above pumping station					
16. Distance from pumping station					
17. Capacity of each in gallons	80,000				
<b>PRESSURE TANKS</b>					
18. Identification number or description	Whitebranch #5				
19. Material	Steel				
20. Length of tank					
21. Diameter of tank					
22. Capacity in gallons	119				
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any					
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	Yes, disinfection				
40. Agent used (liquid, chlorine, etc.)	Chlorine, liquid				
41. Chlorinating equipment:					
42. Manufacturer	Stenner				
43. Type	injection pump				
44. Points of application	well head				
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated	386				
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?	daily				

**MISSOURI-AMERICAN WATER COMPANY**  
 For the Calendar Year January 1 - December 31, 2022  
**RESERVOIRS, STANDPIPES, PRESSURE TANKS, AND PURIFICATION SYSTEMS**

PARTICULARS (a)	UNIT (b)	UNIT (c)	UNIT (d)	UNIT (e)	UNIT (f)
<b>RESERVOIRS</b>					
1. Identification Number, Name, or description or each					
2. Elevation or relief					
3. Use (source of supply or clear water)					
4. Kind (earthen or masonry)					
5. Covered or open					
6. Elevated above pumping station					
7. Distance from pumping station					
8. Total capacity in gallons					
9. Inside dimensions					
<b>STANDPIPES OR ELEVATED TANKS</b>					
10. Identification Number or description of each	Well 2	Well 3 #1	Well 3 #2	Well 3 #3	
11. Material (steel, wood, concrete, etc.)	Steel	Steel	Steel	Steel	
12. Height of water column					
13. Diameter of tank	10'	10'	10'	10'	
14. Height of tank	18'	18'	18'	18'	
15. Elevation of inlet above pumping station	6'	6'	6'	6'	
16. Distance from pumping station	6'	10'	10'	10'	
17. Capacity of each in gallons	10,000	5,600	5,600	5,600	
<b>PRESSURE TANKS</b>					
18. Identification number or description	Well 2 #1	Well 2 #2	Well 3 #1	Well 3 #2	Well 3 #3
19. Material	Steel	Steel	Steel	Steel	Steel
20. Length of tank	6'	6'	6'	6'	6'
21. Diameter of tank	30"	30"	30"	30"	30"
22. Capacity in gallons	119	119	119	119	119
<b>PURIFICATION SYSTEMS</b>					
23. Describe pretreatment, if any	Well #2	Well #3			
24. Function of plant-filter, soften, etc.					
25. Aerators, type					
26. Sedimentation					
27. Dimension of each settling basin					
28. Kind of coagulant					
29. Pounds per million gallons					
30. Sand filtration - slow or rapid					
31. Number of beds					
32. Open or covered					
33. Surface dimensions					
34. Capacity of beds - gallons per day (per bed)					
35. Mixing units, type					
36. Dimensions					
37. Flocculators, type					
38. Dimensions					
39. Sterilization - Is water sterilized?	yes, disinfection	yes, disinfection			
40. Agent used (liquid, chlorine, etc.)	liquid chlorine	liquid chlorine			
41. Chlorinating equipment:					
42. Manufacturer	Stenner	Stenner			
43. Type	Chemical Injection Feed pump	Chemical Injection Feed pump			
44. Points of application	well head	well head			
45. Pounds per million gallons					
46. Pressure filters					
47. Type of each					
48. Capacity of each					
49. Hardness of water treated					
50. Corrosion control, chemical agent					
51. Pound per million gallons					
52. Type of feeders (dry or slurry)					
53. Total H.P. of all motors used in plant					
54. How frequently is an analysis of water made?					

**SOURCES OF WATER SUPPLY**

**Anna Meadows Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: NA  Lakes: NA  Streams: NA						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells: Anna Meadows - Well #1  Springs: NA  Infiltration Galleries or Collecting Wells: NA	MO 6031475	243	105	546	1540	1	380	Deep-well pump

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
N/A				

**SOURCES OF WATER SUPPLY**

**Brunswick Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: None  Lakes: None  Streams: None						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells								
NORTH WELL PARCEL TRACT 142 #1	1	27	5	52'	61' 8"	0.833'	180	Shallow well
SOUTH WELL PARCEL TRACT 142 #2	2	27	22	50'	65' 7"	0.833'	180	Shallow well
WELL NO 3	3	79'	1	80'	93'	1.333'	368	Shallow well
Springs: NA								
Infiltration Galleries or Collecting Wells: NA								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
NA				

**SOURCES OF WATER SUPPLY**

**Emerald Pointe**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: NA						
Lakes: NA						
Streams: NA						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells: Emerald Pointe Well 2 140 Emerald Pt Dr Hollister MO 65672 Emerald Pointe Well 1 140 Emerald Pt Dr Hollister MO 65672	MO5031148 MO5031148	515 488	50 30	819' 588'	1500' 1500'	1' 1'	450 385	Deep-well pump Deep-well pump
Springs: NA								
Infiltration Galleries or Collecting Wells: NA								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)



**SOURCES OF WATER SUPPLY**

**Eureka Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: NA						
Lakes: NA						
Streams: NA						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells								
Well #1 - Howerton	11748 / 028171	83	12	210	500	1	900	deep-well pump
Well #5 - Drewel Park	14554 / A023424	40	15	200	645	1	1,000	deep-well pump
Well #6 - Legends	14552 / A055130	261	195	596	1,235	1	500	deep-well pump
Well #8 - Viola	16828 / A116098	381	195	651	865	1	600	deep-well pump
Well #9 - Arbors	20024 / A200195	213	3	336	635	1	800	deep-well pump
Well #10 - West Main	18309 / A150587	185	240	546	695	1	500	deep-well pump
Springs: NA								
Infiltration Galleries or Collecting Wells: NA								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
NA				

**SOURCES OF WATER SUPPLY**

**Garden City Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs:  Lakes: New Lake Old Lake  Streams: Missouri River		0.182 mgd 0.69 mgd	110 ft approx	4 ft approx	6" Fiber Reinforced Rub	6" 60 ft approx

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells:  Springs:  Infiltration Galleries or Collecting Wells:								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per MG (d)	Purchased During Year - Gallons (e)

**SOURCES OF WATER SUPPLY**

**Golden Acres Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: None  Lakes: None  Streams: Missouri River						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells:  Golden Acres Well 1 - 2 Schooner Creek, Kimberling City MO Golden Acres Well 2 - 12 Golden Dr, Kimberling City MO  Springs:  Infiltration Galleries or Collecting Wells:	MO5036082 MO5036082	228	55	441	441 340	1 1	16 50	Deep Well Deep Well

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per MG (d)	Purchased During Year - Gallons (e)

**SOURCES OF WATER SUPPLY**

**Hickory Hills Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: None  Lakes: None  Streams: Missouri River						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells: Hickory Hill Well, 62427 Vaughan Dr.  Springs:  Infiltration Galleries or Collecting Wells:	TP 14149				605	0.5	30	

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per MG (d)	Purchased During Year - Gallons (e)
Ground water well	City of California	1,125	\$ 2,160.00	3,319,699

**SOURCES OF WATER SUPPLY**

**Jaxson Estates**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: None						
Lakes:						
Streams:						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells:	MO 6031461	172	135	462	1,550	1	510	Deep-well pump
Springs:								
Infiltration Galleries or Collecting Wells:								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)

**SOURCES OF WATER SUPPLY**

**Jefferson City Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: None  Lakes: None  Streams: Missouri River	River Mile 144	8.4 MGD		River Stage Varies	Ductile Iron	(2) 20", 220'

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells:        Springs: None  Infiltration Galleries or Collecting Wells: None								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per MG (d)	Purchased During Year - Gallons (e)
Well Water	Callaway PWSD#1	1,500	\$ 3,000.00	4,539,601

**SOURCES OF WATER SUPPLY**

**Joplin Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: NA						
Lakes: NA						
Streams: Shoal Creek (2-1/2 miles south of Joplin)	IN30058 IN30058	18 MGD 12 MGD	50' 25'	5' 5'	DI pipe DI pipe	190' @ 30" 200' @ 30"

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells: Deep Well - 2101 Picher Ave. Monitoring Well - 1815 Glendale Rd. Deep Well - 210 Buchanan Rd. Deep Well - 2930 S. Mississippi Ave. Deep Well - 8000 E. Alliance Parkway Dr. Deep Well - 14th & Rex Ave. Deep Well - 1505 Lark Rd. Deep Well - 2772 Kodiak Rd. Deep Well - 2401 Marten Rd. Deep Well - 15435 Highway FF Deep Well - 8583 Eland Rd. Deep Well - Butterfield & Foxfire Dr. Deep Well - Mark Dr.	Well #1 - A05144 Well #2 - A13158 Well #3 - A13157 Well #4 - A62273 Well #5 - A89974 Well #6 - A109430 Well #7 - A121711 Well #8 - A121712 Well #9 - A126427 Well #10 - A128853 Well #11 - PWS 17440 Well #12 - A008472 Well #13 - A008972	leak in bubbler line 64' below ground level 254' over pump 386' over pump 312' over pump 208' over pump 289' over pump 365' over pump 296' over pump 319' over pump 296' over pump 319' over pump 335' over pump N/A N/A	leak in bubbler line N/A 124' 194' 147' 143' 147' 127' 104' 181' 167" 162" N/A N/A	610' N/A 888' 966' 650' 800' 550' 750' 540.5' 750' 650' 500' 861'	1,255' 1,505' 1,505' 1,875' 1,444' 1,500' 1,505' 1,550' 1,495' 1,350' 1,580' 1,650' 1,205'	0.833' 0.833' 0.833' 1.167' 1.167' 1.167' 1.167' 1.167' 1.167' 1.167' 1.167' 0.833' 0.833'	0 NA 397 497 581 266 728 542 835 484 622 N/A N/A	Deep-well pump NA Deep-well pump Deep-well pump Deep-well pump Deep-well pump Deep-well pump Deep-well pump Deep-well pump Deep-well pump Deep-well pump Deep-well pump Deep-well pump Deep-well pump
Springs: None								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
NA				

**SOURCES OF WATER SUPPLY**

**Lake Carmel**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs:  NA						
Lakes:  NA						
Streams:  NA						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells: Lake Carmel	MO3031183	119'	52'	315'	345'	0.5'	55 gpm	Deep-well pump
Springs: NA								
Infiltration Galleries or Collecting Wells: NA								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)



**SOURCES OF WATER SUPPLY**

**Lawson Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: None						
Lakes: None						
Streams: None						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells:								
Springs: None								
Infiltration Galleries or Collecting Wells: None								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
Italian Way Excelsior Springs Mo	City of Excelsior Springs Mo.	1 pump at 400 gpm		
Italian Way Excelsior Springs Mo	City of Excelsior Springs Mo.	1 pump at 400 gpm		

**SOURCES OF WATER SUPPLY**

**Maplewood**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: NA  Lakes: NA  Streams: NA						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells: Maplewood # 1 2812 Monsees Dr Sedalia MO 65301 Maplewood # 2 2802 Brookview Ave, Sedalia MO 65301  Springs: NA  Infiltration Galleries or Collecting Wells: NA	MO3036131 MO3036131	206	58	378	810'	6 6	60 gpm 242 gpm	Deep-well pump Deep-well pump

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)

**SOURCES OF WATER SUPPLY**

**Mexico Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: None						
Lakes: None						
Streams: None						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells:								
MOAW Mexico Well #2	2673341	415	54	550	1,150	1.33	720	Deep well pump
MOAW Mexico Well #3	2474349	411	107	651	1.28	1.33	270	Deep well pump
MOAW Mexico Well #4	2584584	433	70	600	1,542	1.33	545	Deep well pump
MOAW Mexico Well #5	3522389	415	31	540	1,482	1.33	776	Deep well pump
MOAW Mexico Well #6	2979937	415	44	550	1,493	1.33	1,000	Deep well pump
MOAW Mexico Well #7	3218347	420	52	610	1.46	1.33	995	Deep well pump
Springs: None								
Infiltration Galleries or Collecting Wells: None								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
None				

**SOURCES OF WATER SUPPLY**

**Monsees Lake Estates Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: None  Lakes: None  Streams: None						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells: Well #1 - Monsees Subdivision Well #2 - Monsees Subdivision  Springs:  Infiltration Galleries or Collecting Wells:	ML 14131 ML 14132							

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per MG (d)	Purchased During Year - Gallons (e)
None				

**SOURCES OF WATER SUPPLY**

**Orrick Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: None						
Lakes: None						
Streams:						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells:								
Springs:								
Infiltration Galleries or Collecting Wells:								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per MG (d)	Purchased During Year - Gallons (e)
Ray County #2, meter vault at north end of town on Z highway and 210 highway (office in Richmond Mo.)	Ray County #2 PWS	100		

**SOURCES OF WATER SUPPLY**

**Parkville Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: None						
Lakes: None						
Streams: None						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells								
DEEP CITY PARK/LAKE VIEW - <b>RETIRED</b>	3	42'	13'	62.5	87	1.0'	278	WELL PUMPS
DEEP LIBERTY/ W OF MO	4	43'	4'	93	98.5	1.5'	317	WELL PUMPS
DEEP LAKEVIEW/ELMWOOD	6	38'	5'	73	100	2.0'	670	WELL PUMPS
DEEP LIBERTY/N ELMWOOD CEM	7	21'	12'	75	86.3	2.0'	2,100	WELL PUMPS
DEEP PLATTE LANDING PARK	8	21'	26'	91'	130'	24'	3,500	WELL PUMPS

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
Briarcliff Interconnect NW Platte Road (Riverside) Primary	City of Kansas City	6,944	\$ 3,301.92	30,900,183
Vivion Interconnect (1360 NW Vivion Road) Emergency Only	City of Kansas City	N/A		
North Congress Interconnect (7201 N 9 Hwy) Emergency Only	City of Kansas City	N/A		-
51st and Paradise Interconnect (5200 N Helena, Misty Woods) Emergency Only	City of Kansas City	N/A		
56st Interconnect (3415 NW 56th St., Houston Lake) Emergency Only	City of Kansas City	N/A		-

**SOURCES OF WATER SUPPLY**

**Pevely Farms**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: N/A						
Lakes: N/A						
Streams: N/A						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells: Well 1	107272337	404.47	14.7	378.47	54	0.666666667	250	Well
Well 2	107272352	400.16	5.2	379.56	60	0.666666667	300	Well
Springs: N/A								
Infiltration Galleries or Collecting Wells: N/A								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
N/A				

**SOURCES OF WATER SUPPLY**

**Pom-O-Sa**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs:						
Lakes:						
Streams:						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells: Well #1	WL 10305	Unkown	Unkown	Unkown	418	0.5	Unkown	deep-well pump
Well #2	WI 18109	100 Ft	Unkown	Unkown	420	0.5	250	deep-well pump
Springs: NA								
Infiltration Galleries or Collecting Wells: NA								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)



**SOURCES OF WATER SUPPLY**

**Purcell Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: None						
Lakes: None						
Streams:						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells:  Well #2 Owned 50% MAW and 50% City-Purcell Well #3 Park Well - Inactive at this time	WL 13009, TP 13009 WL 16762, TP 16762	91 111	No data No data	240 400	1100 1100	10 10	500 400	Deep Well Pump Deep Well Pump
Springs: None								
Infiltration Galleries or Collecting Wells: None								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per MG (d)	Purchased During Year - Gallons (e)
None	N/A	N/A		

**SOURCES OF WATER SUPPLY**

**Redfield Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: None  Lakes: None  Streams:						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells: Redfield Well , Eugene, MO  Springs:  Infiltration Galleries or Collecting Wells:	01	157'	180'		925	5'	300	Deep

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per MG (d)	Purchased During Year - Gallons (e)
N/A				

**SOURCES OF WATER SUPPLY**

**Rogue Creek**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs:						
Lakes:						
Streams:						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells: Church view Well one	none				286	42	25	deep-well pump
Friendship well 2								
Springs:								
Infiltration Galleries or Collecting Wells:								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)

**SOURCES OF WATER SUPPLY**

**St. Charles Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: NA						
Lakes: NA						
Streams: NA						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells: NA								
Springs: NA								
Infiltration Galleries or Collecting Wells: NA								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
No Purchased Water in 2022				

**SOURCES OF WATER SUPPLY**

**St. Joseph Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: N/A						
Lakes: N/A						
Streams: N/A						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells:								
Well - Vertical	1		9	82	106	3		Deep - Well Pump
Well - Vertical	2	9	8.7	82	105	3		Deep - Well Pump
Well - Vertical	3	11	8.3	82	105	3		Deep - Well Pump
Well - Vertical	4	11	9.4	82	104	3		Deep - Well Pump
Well - Vertical (retired)	5	10	9.6	82	106	3		Deep - Well Pump
Well - Vertical	6	10	8.9	82	106	3		Deep - Well Pump
Well - Vertical	7	10	8.3	82	111	3		Deep - Well Pump
Springs: N/A								
Infiltration Galleries or Collecting Wells: N/A								
Horizontal Collector	1	9	35	83	115	16	10500	3 Deep Well Pumps

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
N/A				

**SOURCES OF WATER SUPPLY**

**St. Louis County Operations**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: NA						
Lakes: NA						
Streams: Missouri River - Central Plant Missouri River - North Plant Meramec River - South Plant Meramec River - Meramec Plant	IN 30030 IN 30028 IN 30032 IN 30033	283,000 139,000 47,520 49,200	On shore On shore On shore On shore	Variable Variable In Channel In Channel	Ci & Conc. Conc & Steel CI Conc., CI & DI	4,168' variable 1,804'-30" & 35" 13,750' 30" 9,200' 30" & 36"

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells NA								
Springs: NA								
Infiltration Galleries or Collecting Wells: NA								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
Hog Hollow Booser, Central Plant	St. Louis Water Division	20,833	\$ 950.90	414,071,000
Old Bonhomme Interconnect, Distribution	St. Louis Water Division	13,889	\$ 1,349.00	-

**SOURCES OF WATER SUPPLY**

**Tri County District**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: NA						
Lakes: NA						
Streams: NA						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells:								
Tri State Well #6 1876 N State Hwy 265 Branson MO 65616	MO5024601	515	45'	714'	1302'	0.5'	885 gpm	Deep-well pump
Lake Taneycomo #1 - , Branson, MO	MO5036198	228	22	399	570'	0.5'	46 gpm	Deep-well pump
Lake Taneycomo #2 - , Branson, MO	MO5036198	203'	110'	483'	580'	0.5'	55 gpm	Deep-well pump
Lakewood Manor - HCR 1, Box 4007 Shell Knob, MO 65747	MO5036020	154	6	294	860'	0.667'	72 gpm	Deep-well pump
Ozark Mountain #1 - TM East Lot 092 Shell Knob, MO 65747	MO5036177	164	180	441'	553'	0.5'	95 gpm	Deep-well pump
Ozark Mountain #2 - TM East Lot 023 Shell Knob, MO 65747	MO5036163	303	33	483'	1,010'	0.833'	310 gpm	Deep-well pump
Ozark Mountain #2 (Backup) - TM East Lot 023 Shell Knob, MO 65747	MO5036163	218'	67'	357'	1200'	0.833'	52 gpm	Deep-well pump
Ozark Mountain #3 - LH Lot 273 Shell Knob, MO 65747	MO5036162	173	40	441'	1200	0.5'	340 gpm	Deep-well pump
Rankin Acres - 7306 West Belle Circle Republic, MO 65738	MO5036147	330	136	525'	550'	0.5'	60 gpm	Deep-well pump
Riverside Estates #2 - 153 Acacia Club Road Hollister, MO 65672	MO5036210	297	65	483'	1,110'	0.833'	260 gpm	Deep-well pump
Saddlebrooke Sunset, Saddlebrooke MO 65630	MO5031375	327	57	504'	1,400'	0.833'	680 gpm	Deep-well pump
Stonebridge Oak Lane, Branson West MO 65737	MO5031086	535	87	756'	1,310'	0.833'	315 gpm	Deep-well pump
Forest Lake (Stonebridge 2) 505 Chalcedony Ct Reeds Spring MO	MO5031086	525	52	735'	1320'	1.417'	337 gpm	Deep-well pump
Tri State Well #4 258 Skyline Rd Branson MO 65616	MO5024601	535	40'	798'	1591'	1'	625 gpm	Deep-well pump
Tri State Well #5 2690 N St Hwy 265 Branson MO 65616	MO5024601	545	95	945'	1665'	1.16'	870 gpm	Deep-well pump
Spokane Highlands	MO5031093	317'	6	483'	1002'	1'	87 gpm	Deep-well pump
Table Rock Estates Well 1 226 Hunt Club Cir, Galena MO 65656	MO5036232			357'	467"	1"	40 gpm	Deep-well pump
Table Rock E Well 2 226 Hunt Club Cir, Galena MO 65656 (back up)	MO5036232				245'	1"	35 gpm	Deep-well pump
Springs: NA								
Infiltration Galleries or Collecting Wells: NA								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
Spring Valley	Ozark Water System		\$ 4.95	5,350,000

**SOURCES OF WATER SUPPLY**

**Wardsville**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs:						
Lakes:						
Streams:						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells:								
Churchview Well 1	24476	274	284		925	18'of 12" @ 287' of 8"	153	submersible
Friendship Well 2	40414	157	180		1090	26' of 12" @300' of 8"	300	submersible
Springs:								
Infiltration Galleries or Collecting Wells:								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)



**SOURCES OF WATER SUPPLY**

**St. Charles Operations (Warren County)**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: NA  Lakes: NA  Streams: NA						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells:   Springs: NA  Infiltration Galleries or Collecting Wells: NA	MO 6036149	68	48	400	1,550	1.16	290	Deep-well pump

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
NA				

**SOURCES OF WATER SUPPLY**

**WARRENSBURG OPERATIONS**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: NA						
Lakes: NA						
Streams: NA						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells:								
PLANT SITE EAST OF CITY	5	158	37	250	712	10	660	DEEP WELL
1/4 MILE EAST OF PLANT	6	159	47	294	675	10	854	DEEP WELL
1/2 MILE EAST OF PLANT	7	171	50	303	705	12	1,017	DEEP WELL
3/4 MILE EAST OF PLANT	8	133	17	294	737	12	1,143	DEEP WELL
1 MILE EAST OF PLANT	9	145	5	197	800	12	1,058	DEEP WELL
Springs: NA								
Infiltration Galleries or Collecting Wells: NA								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
NA				

**SOURCES OF WATER SUPPLY**

**White Branch**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs: NA  Lakes: NA  Streams: NA						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells: Whitebranch #1 - 31625 Cardinal Ln Warsaw MO 65355 Whitebranch #5 31797 Stonecrest Ave Warsaw MO 65355  Springs: NA  Infiltration Galleries or Collecting Wells: NA	MO3036113 MO3036113	136'	4'	294'	850' 280'	8' 6"	150 gpm 9 gpm	Deep-well pump Deep-well pump

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)

**SOURCES OF WATER SUPPLY**

**Woodland Manor**

Show all data separately for each source of supply.

A. Surface Water						
Description and Location of Source (Give Names) (a)	Identification Number (b)	Capacity (c)	Distance of Intake From Shore (d)	Depth of Intake Port Below Surface of Water (e)	Kind of Conduit (f)	Length and Size of Conduit (g)
Impounding Reservoirs:  NA						
Lakes: NA						
Streams: NA						

B. Ground Water								
Description and Location of Source (a)	Identification Number (b)	Static Water Level Feet (c)	Draw Down Feet (d)	Pump Setting Feet (e)	Depth Feet (f)	Diameter Feet (g)	Yield in Gallons Per Minute (h)	Pumping Method (direct suction, air-lift or deep-well pump) (i)
Wells: Woodland Manor Well 2 Woodland Manor Well 3	MO5036111 MO5036111	160	45	390 357	661 775	1' 1'	31 gpm 150 gpm	deep well pump deep well pump
Springs: NA								
Infiltration Galleries or Collecting Wells: NA								

C. Purchased Water				
Description and Location of Source (Give Name) (a)	Name of Vendor (b)	Capacity of Source Gallons per Minute (c)	Cost Per M. Gallons (d)	Purchased During Year - Gallons (e)
N/A				

**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Anna Meadows**

1. Explain any important items included in Column (h).
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Company Name Missouri-American Water Company

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
Transmission & Distribution Mains:					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
<b>Total Transmission &amp; Distribution Mains</b>		-	-	-	-	-	-	-
Distribution Mains:								
Ductile Iron	6	398	-	-	-	-	-	398
Plastic (PVC)	6	6,246	-	-	-	-	-	6,246
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
<b>Total Distribution Mains</b>		6,644	-	-	-	-	-	6,644

<b>SERVICES</b>					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Single Service 3/4"	-		-	-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
<b>Total</b>	-	-	-	-	

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.

**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Brunswick**

1. Explain any important items included in Column (h).
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Company Name  
Missouri-American Water Company

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
Transmission Mains:								
DI	8	200			-			200
PVC	8	9,570			-			9,570
	4	25			-			25
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
<b>Total Transmission Mains</b>		<b>9,795</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>9,795</b>
Distribution Mains:								
CI/DI	8	2,941			-			2,941
	6	3,717			-	7		3,710
	4	10,938			-	1,432		9,506
	2	129			-			129
Gal	14	40			-			40
Asbestos	6	12,972			-	470		12,502
	4	5,255			-	2,115		3,140
PVC	8	15,950	2,010	4,238	6,248			22,198
	6	9,694		95	95	80		9,709
	4	629			-			629
	2	6,828			-			6,828
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
<b>Total Distribution Mains</b>		<b>69,093</b>	<b>2,010</b>	<b>4,333</b>	<b>6,343</b>	<b>4,104</b>	<b>-</b>	<b>71,332</b>

SERVICES					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Single Service 3/4"	458			458	
Multiple Service 3/4"	47	13	5	55	
Service 1"	15			15	
Service 1-1/2"	10			10	
Service 2"	2			2	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
<b>Total</b>	<b>532</b>	<b>13</b>	<b>5</b>	<b>540</b>	<b>-</b>

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.

**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Garden City**

1. Explain any important items included in Column (h).
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
Transmission & Distribution Mains: PVC	8		8,500		8,500			8,500
	6		5,900		5,900			5,900
	4		5,480	13	5,493	13		5,480
	3		5,350		5,350			5,350
	2		23,860		23,860			23,860
CI	2	-	1,350		1,350			1,350
	4		24,660		24,660			24,660
	6		30,500		30,500			30,500
<b>Total Transmission &amp; Distribution Mains</b>		-	105,600	13	105,613	13	-	105,600
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-

SERVICES					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Service 3/4"	648	32	23	657	
Service 1"	1	6	7	-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
<b>Total</b>	649	38	30	657	-

Company Name **Missouri-American Water Company**

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.

**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Hickory Hills**

1. Explain any important items included in Column (h).  
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
Transmission & Distribution Mains: PVC	8	8,330		-	-	-		8,330
	4	-		-	-	-		-
	3	-	3	-	3	-	3	-
	2	-		-	-	-		-
DI	8	176		-	-	-		176
	4	9		-	-	-		9
		-		-	-	-		-
Unknown Type	4	44		-	-	-		44
Total Transmission & Distribution Mains		8,559	3	-	3	3	-	8,559
		-		-	-	-		-
		-		-	-	-		-
		-		-	-	-		-
		-		-	-	-		-
		-		-	-	-		-
		-		-	-	-		-
		-		-	-	-		-
		-		-	-	-		-
		-		-	-	-		-
		-		-	-	-		-
		-		-	-	-		-
		-		-	-	-		-
		-		-	-	-		-
		-		-	-	-		-

SERVICES					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Service 5/8"	50	-	-	50	-
Service 3/4"	56	-	-	56	-
Total	106	-	-	106	-

Indicates formula cell.



**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Jaxson Estates**

- Explain any important items included in Column (h).
- New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Company Name Missouri-American Water Company

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
Transmission & Distribution Mains:								
Ductile Iron	6	407			-			407
	8	579	25		25			604
Plastic (PVC)	12	1,279						1,279
	10	168						168
	8	6,070	1,445		1,445			7,515
	2	500						500
								-
								-
								-
Total Transmission & Distribution Mains		9,003	1,470	-	1,470	-	-	10,473
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
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								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-

SERVICES					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Single Service 3/4"	151	21	-	172	
Multiple Service 3/4"					
Service 1"					
Service 1 3/4"					
Total	151	21	-	172	-

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.

**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Jefferson City**

1. Explain any important items included in Column (h)  
 2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains rep

Company Name Missouri American Water Company

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
<b>Transmission &amp; Distribution Mains</b>								
CI, DI	24	1,061			-			1,061
	20	15,525			-			15,525
	16	24,976			-			24,976
	14	3,545			-			3,545
	12	35,736		38	38	2,382		33,392
	10	23,719		8	8	6		23,721
	8	152,381	18	612	630	543		152,468
	6	237,203		84	84	13,812		223,475
	4	17,645		1	1	147		17,499
	2	9,714			-			9,714
	2	14,057			-	778		13,279
Asbestos	12	12,198			-			12,198
	8	34,341			-		81	34,260
	6	42,140			-	15		42,125
Steel Casing	36	34			-			34
	30	180			-			180
	24	599			-			599
	20	399			-			399
	18	428			-			428
	16	250			-			250
	14	552			-			552
	12	632			-			632
	10	540			-			540
Lead	1	76			-			76
WR/Galv Iron	2	11,455			-	5		11,450
	2	937			-			937
	1	250			-			250
	1	229			-			229
	1	35			-			35
Copper	2	831			-			831
	1	5,822			-			5,822
	1	1,455			-	129		1,326
PVC	16	320			-			320
	14	14			-			14
	12	21,107		1,555	1,555			22,662
	10	2,428		6	6			2,434
	8	110,328	945	13,945	14,890			125,218
	6	54,315	5	2,097	2,102	2		56,415
	4	1,472		24	24			1,496
	3	7,217			-			7,217
	1	3,150		181	181	802		2,529
	1	50			-			50
	2	318			-			318
HDPE	12	295			-			295
	2	-		5	5			5
Poly	12	670		392	392			1,062
	2	12			-			12
	3	306			-			306
<b>Total Transmission &amp; Distribution Main</b>		<b>850,945</b>	<b>968</b>	<b>18,948</b>	<b>19,916</b>	<b>18,702</b>	<b>-</b>	<b>852,159</b>

<b>SERVICES</b>					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Service 1" & 3/4"	596	1,259	249	1,606	
Service 2"	17	366	3	380	
Service 3"	1			1	
Service 4"	61	8		69	
Service 6"	10	1		11	
Service 8"	1	1		2	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
<b>Total</b>	<b>686</b>	<b>1,635</b>	<b>252</b>	<b>2,069</b>	<b>-</b>

Indicates formula cell.

For the calendar year of January 1 - December 31 2022

**FEET OF TRANSMISSION AND DISTRIBUTION MAIN:  
Joplin**

1. Explain any important items included in Column (h).  
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Company Name: Missouri-American Water Company

Kind of Pipe (case iron, galvanized, steel, concrete asbestos, plastic, etc.) (a)	Diameter in inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
<b>Transmission Mains:</b>								
Cast Iron	36	44	-	-	-	-	-	44
	24	34	-	-	-	-	-	34
	20	11,101	-	-	-	-	-	11,101
	16	11,132	-	-	-	-	-	11,132
	12	73	-	-	-	-	-	73
Concrete	36	257	-	-	-	-	-	257
	30	49	-	-	-	-	-	49
	24	11,144	-	-	-	-	-	11,144
	20	23	-	-	-	-	-	23
								-
<b>Total Transmission Mains</b>		<b>33,857</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>33,857</b>
<b>Distribution Mains:</b>								
Cast Iron/Gal	24	220	-	-	-	-	-	220
	20	7,620	-	-	-	-	-	7,620
	16	766	-	-	-	-	-	766
	12	57,791	-	-	-	4	-	57,787
	10	8,504	-	-	-	-	-	8,504
	8	247,435	-	-	-	529	-	246,906
	6	222,917	-	-	-	1,216	-	221,701
	4	68,146	-	-	-	632	-	67,514
	3	381	-	-	-	-	-	381
Concrete	2	92,543	-	-	-	11,295	-	81,248
	30	150	-	-	-	-	-	150
	24	1,142	-	-	-	-	-	1,142
	16	16,360	-	-	-	-	-	16,360
	12	(1)	-	-	-	-	-	(1)
Asbestos	16	(235)	-	-	-	-	-	(235)
	12	73,341	-	-	-	-	-	73,341
	8	284,754	-	-	-	47	-	284,707
	6	53,915	-	-	-	-	-	53,915
	2	16,668	-	-	-	-	-	16,668
PVC	12	12,575	1,677	7	1,684	-	-	14,259
	8	118,339	4,646	107	4,753	1,738	-	121,354
	6	8,253	-	64	64	-	-	8,317
	4	58,447	340	38	378	-	-	58,825
	3	5	-	-	-	-	-	5
	3	174	-	-	-	-	-	174
	2	97,097	-	133	133	109	-	97,121
Ductile Iron	1	201	-	-	-	-	-	201
	30	451	-	-	-	-	-	451
	24	7,721	-	-	-	-	-	7,721
	20	14,310	-	-	-	-	-	14,310
	16	50,918	-	-	-	-	-	50,918
	12	261,372	2,168	2,756	4,924	3	-	266,299
	10	24	-	-	-	-	-	24
	8	680,606	908	14,314	15,222	2,473	-	693,355
	6	113,796	-	3,520	3,520	22	-	117,294
	4	142,000	-	14	14	2	-	142,012
PE	2	127	-	-	-	-	-	127
HDPE	12	-	-	-	-	-	-	-
	8	1,602	-	326	326	326	-	1,602
	4	120	-	-	-	-	-	120
	2	3,617	542	96	638	-	-	4,255
<b>Total Distribution Mains</b>		<b>2,724,169</b>	<b>10,281</b>	<b>21,375</b>	<b>31,656</b>	<b>18,396</b>	<b>-</b>	<b>2,737,429</b>

<b>SERVICES</b>					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Service 5/8"	(4)	-	-	-	(4)
Single Service 3/4"	1,867	417	309	1,975	
Service 1"	345	169	83	431	
Service 1 1/2"	22	-	-	22	
Service 2"	105	26	5	126	
Service 4"	4	-	-	4	
Service 6"	5	-	-	5	
Service 8"	1	-	-	1	
	-	-	-	-	
	-	-	-	-	
	-	-	-	-	
	-	-	-	-	
	-	-	-	-	
	-	-	-	-	
	-	-	-	-	
<b>Total</b>	<b>2,345</b>	<b>612</b>	<b>397</b>	<b>2,560</b>	<b>-</b>

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.

**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Lake Carmel**

1. Explain any important items included in Column (h).  
 2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Company Name Missouri-American Water Company

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
Transmission & Distribution Mains: Plastic (PVC)	3 & 2 4 6	20 10,480	8		- 8	8	20 10,480	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
					-		-	
Total Transmission & Distribution Mains		10,500	8	-	8	8	10,500	
					-		-	
					-		-	

SERVICES					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Single Service 3/4" Service 4"	1 3	3	-	4 3	
				-	-
				-	-
				-	-
				-	-
				-	-
				-	-
				-	-
				-	-
				-	-
				-	-
				-	-
				-	-
				-	-
				-	-
				-	-
				-	-
Total	4	3	-	7	-
				-	-

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.





**FEET OF TRANSMISSION AND DISTRIBUTION MAINS**  
**Mexico**

1. Explain any important items included in Column (h)  
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replace

Company Name: Missouri American Water Company

Kind of Pipe (case iron, galvanized, steel, concrete asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
<b>Transmission &amp; Distribution Mains</b>								
Cast Iron	12	6,238			-			6,238
Asbestos Concrete	10	4,665			-			4,665
Ductile Iron	16	1,206			-			1,206
	12	5,163			-			5,163
	10	60			-			60
Plastic (PVC)	12	3,728			-			3,728
	10	8,436			-			8,436
Concrete	8	60			-			60
					-			-
					-			-
<b>Total Transmission &amp; Distribution Mains:</b>		<b>29,556</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>29,556</b>
<b>Distribution Mains</b>								
Cast Iron	12	9,100			-			9,100
	10	8,367			-	1,758		6,609
	8	19,982			-	34		19,948
	6	155,433		8	8	10,821		144,620
	4	36,702			-	5,676		31,026
	2	11,345			-	34		11,311
Ductile Iron	12	7,936		28	28			7,964
	10	581		261	356			581
	8	1,517	95	100	100			1,873
	6	1,628		100	100			1,728
	4	(165)			-			(165)
Asbestos	12	2,296			-			2,296
	10	7,457			-	5		7,452
	8	3,860		5	5			3,865
	6	7,974			-	34		7,940
Plastic (PVC)	12	23,810		1,092	1,092			24,902
	10	11,276		13	13			11,289
	8	94,390	2,924	16,837	19,761	108		114,043
	6	45,934	6	236	242			46,176
	4	4,841		50	50	107		4,784
Tyton	2	14,786		34	34			14,820
	6	612			-			612
	4	334			-			334
Copper	2	235			-			235
	1	574			-			574
	0.75	338			-			338
Wrought Iron	3	30			-			30
	2.5	157			-			157
	2	2,752			-			2,752
	1.5	22			-			22
	1	16			-			16
Asbestos Cement	3	25			-			25
Miscellaneous		67		177	177			244
HDPE	2	-		20	20			20
	8	3,007		989	989			3,996
	12	1,306		559	559			1,865
					-			-
<b>Total Distribution Mains</b>		<b>478,524</b>	<b>3,025</b>	<b>20,409</b>	<b>23,434</b>	<b>18,577</b>	<b>-</b>	<b>483,381</b>

**SERVICES**

Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Single Service 3/4"	3,610	457	446	3,621	
Multiple Service 3/4"	755			755	
Service 1"	133	27	21	139	
Service 1 1/2"	7			7	
Service 2"	44	5	5	44	
Service 3"	5			5	
Service 4"	26	1	1	26	
Service 6"	13	2	2	13	
Special Service 1"	1			1	
Special Service 2"	53			53	
Special Service SVC 2"	1			1	
Service 8"	3			3	
Service 5/8"	19			19	
<b>Total</b>	<b>4,670</b>	<b>492</b>	<b>475</b>	<b>4,687</b>	<b>-</b>

Indicates formula cell.

For the calendar year of January 1 - December 31, 2022

**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Orrick**

1. Explain any important items included in Column (h).
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Company Name Missouri-American Water Company

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
Transmission & Distribution Mains:								
PVC	8	-	2,318		2,318			2,318
	6	-	560		560			560
	4	-	1,500		1,500			1,500
CI	3	-	860		860			860
AC	4	-	14,585		14,585			14,585
	6	-	17,547		17,547			17,547
GAL	1	-	1,082		1,082			1,082
	2	-	1,351		1,351			1,351
<b>Total Transmission &amp; Distribution Mains</b>			<b>39,803</b>	<b>-</b>	<b>39,803</b>	<b>-</b>	<b>-</b>	<b>39,803</b>
<b>Total Distribution Mains</b>			<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

<b>SERVICES</b>					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Service 3/4"	-	321	1	320	
Service 1"	-	11	1	10	
Service 2"	-	5		5	
Service 3"	-	1		1	
<b>Total</b>	<b>-</b>	<b>338</b>	<b>2</b>	<b>336</b>	<b>-</b>

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.



**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Parkville**

1. Explain any important items included in Column (h).
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Company Name Missouri-American Water Company

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
<b>Transmission Mains:</b>								
Asbestos	20	2,711			-			2,711
Ductile Iron	24	6,005			-			6,005
	20	6,716			-			6,716
Cast Iron	12	340			-			340
PVC	12	9,700			-			9,700
	10	600			-			600
Steel Pipe	8	1,300			-			1,300
DIP	8	948			-			948
	24	8,570			-			8,570
		-			-			-
<b>Total Transmission Mains</b>		<b>36,890</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>36,890</b>
<b>Distribution Mains:</b>								
Ductile Iron	24	6,002			-			6,002
	16	10,490			-			10,490
	12	65,150	560	249	809			65,959
	10	3,371		4	4			3,375
	8	44,761	3,285	5,369	8,654			53,415
	6	3,492		16	16			3,508
	4	333		333	333	20		646
Cast Iron	12	20,336			-			20,336
	10	9,814			-			9,814
	8	39,571			-	56		39,515
	6	47,339			-	31		47,308
	4	53,088			-	14		53,074
	2	12,971			-	31		12,940
PVC	12	48,124			-			48,124
	10	13,284			-	4		13,280
	8	35,640		687	687	154		36,173
	6	71,321		109	109	28		71,402
	4	9,954		53	53			10,007
	2	16,454		42	42	1,631		14,865
Asbestos	12	13,074			-	190		12,884
	10	4,229			-			4,229
	8	2,065			-	203		1,862
	6	7,135			-	1,196		5,939
HDPE	12	-			-	3,452		(3,452)
	8	986			-			986
	6	1,928			-			1,928
	4	430			-			430
	4	430			-			430
<b>Total Distribution Mains</b>		<b>541,772</b>	<b>3,845</b>	<b>6,862</b>	<b>10,707</b>	<b>7,010</b>	<b>-</b>	<b>545,469</b>

<b>SERVICES</b>					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Single Service 3/4"	1,846	67	3	1,910	
Multiple Service 3/4"	1,309			1,309	
Single Service 1"	1,565	363	25	1,903	
Service 5/8"	50			50	
Service 1 1/2"	10			10	
Service 2"	143	6		149	
Service 3"	3			3	
Service 4"	8			8	
Service 6"	32	1		33	
Service 8"	32			32	
Service 10"	5			5	
Service 12"	20			20	
	-			-	
	-			-	
	-			-	
	-			-	
<b>Total</b>	<b>5,023</b>	<b>437</b>	<b>28</b>	<b>5,432</b>	<b>-</b>

Indicates formula cell.

**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Pevely Farms**

1. Explain any important items included in Column (h).
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Company Name: **Missouri-American Water Company**

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
Transmission & Distribution Mains:								
Plastic (PVC)	8	17,796			-			17,796
Ductile Iron	12	1,100	511		511			1,611
	10	-	6		6			6
	8	-	4		4			4
	6	-	10		10			10
					-			-
					-			-
					-			-
					-			-
<b>Total Transmission &amp; Distribution Mains</b>		<b>18,896</b>	<b>531</b>	<b>-</b>	<b>531</b>	<b>-</b>	<b>-</b>	<b>19,427</b>
Distribution Mains:					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
<b>Total Distribution Mains</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

<b>SERVICES</b>					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
				-	
				-	
				-	
				-	
				-	
<b>Total</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.

**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Purcell**

1. Explain any important items included in Column (h).
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Company Name **Missouri-American Water Company**

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
Transmission & Distribution Mains:		8	-	6,325		6,325		6,325
PVC	4	-		7,504		7,504		7,504
CI	8	-	7,946		7,946			7,946
	4	-	5,155		5,155			5,155
		-						-
		-						-
		-						-
<b>Total Transmission &amp; Distribution Mains</b>		-	26,930	-	26,930	-	-	26,930
Distribution Mains:								
<b>Total Distribution Mains</b>		-	-	-	-	-	-	-

SERVICES					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Service 3/4"	-	164		164	
5/8"		164		164	
<b>Total</b>	-	328	-	328	-

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.

**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Redfield**

1. Explain any important items included in Column (h).
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
Transmission & Distribution Mains: PVC	6	6,309		8	8	8		6,309
	4	528			-			528
	2	1,589			-			1,589
					-			-
<b>Total Transmission &amp; Distribution Mains</b>		<b>8,426</b>	<b>-</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>-</b>	<b>8,426</b>
<b>Total Distribution Mains</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

<b>SERVICES</b>					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Service 5/8"				-	
Single Service 3/4"	10			10	
Multiple Service 3/4"	-			-	
Service 1"	13			13	
Service 1 1/2"	8			8	
Service 2"	2			2	
Service 4"	3			3	
Service 6"	1			1	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
<b>Total</b>	<b>37</b>	<b>-</b>	<b>-</b>	<b>37</b>	<b>-</b>

Indicates formula cell.



**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
St. Charles/Warren County**

1. Explain any important items included in Column (h)
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replace

Company Name Missouri American Water Company

Kind of Pipe (case iron, galvanized, steel, concrete asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
<b>Transmission &amp; Distribution Mains</b>								
Cast Iron	18	358			-			358
	14	120			-			120
	12	1,346			-			1,346
	10	468			-			468
	8	9,656			-			9,656
	6	2,924			-			2,924
	4	4,036			-			4,036
Ductile Iron	36	3,672			-			3,672
	30	16,265			-			16,265
	24	53,072	240		240	100		53,212
	20	21,487			-			21,487
	18	43,583			-			43,583
	16	28,061	301	106	407			28,468
	14	456			-			456
	12	47,192	321	15	336			47,528
	10	3,374			-			3,374
	8	40,683	3,456	40	3,496			44,179
	6	13,757	1,833	20	1,853			15,610
	4	261			-			261
Asbestos	18	3,502			-			3,502
	16	33			-			33
	14	2,086			-			2,086
	12	43,786			-			43,786
	10	15,870			-			15,870
	8	106,850			-			106,850
	6	16,580			-	460		16,120
	4	97,449			-			97,449
	3	901			-			901
Plastic (PVC)	20	2,610			-			2,610
	18	20			-			20
	16	-	502	455	957			957
	12	149,496	3,077	15	3,092			152,588
	10	139,637			-			139,637
	8	741,466	5,452	134	5,586	380		746,672
	6	513,298	231	248	479	250		513,527
	4	17,736		55	55			17,791
	2	214,497		11	11	198		214,310
	1.5	415			-			415
PCCP	1.25	2,540	1,261		1,261			3,801
Steel Pipe	36	7,418			-			7,418
	36	13,565			-			13,565
	14	32			-			32
Galvanized	2	460			-			460
Copper	20	-	135		135			135
	2	50			-			50
	1	1,125			-			1,125
HDPE	20	-			-			430
	12	4,284		430	430			4,284
	8	1,041			-			1,041
	6	1,036			-			1,036
<b>Total Transmission &amp; Distribution Mains</b>		<b>2,388,550</b>	<b>16,809</b>	<b>1,529</b>	<b>18,338</b>	<b>1,388</b>	<b>-</b>	<b>2,405,500</b>

<b>SERVICES</b>					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Single Service 3/4"	8,746	53	29	8,770	
Multiple Service 1"	10,321			10,321	
Service 5/8"	112			112	
Service 1"	1,941	49	53	1,937	
Service 1 1/2"	231			231	
Service 2"	251	7		258	
Service 3"	23			23	
Service 4"	13			13	
Service 6"	20	1		21	
Service 8"	12			12	
Service 10"	4			4	
Service 12"	2			2	
				-	
				-	
				-	
<b>Total</b>	<b>21,676</b>	<b>110</b>	<b>82</b>	<b>21,704</b>	<b>-</b>

Indicates formula cell.

For the calendar year of January 1 - December 31, 2022

**FEET OF TRANSMISSION AND DISTRIBUTION MAIN:  
St. Joseph**

1. Explain any important items included in Column (h).  
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Company Name: Missouri-American Water Company

Kind of Pipe (case iron, galvanized, steel, concrete asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
<b>Supply Mains:</b>								
Ductile Iron	36	32,780			-			32,780
	30	2,969			-			2,969
	24	1,198			-			1,198
Cast Iron	35	291			-			291
	30	5,570			-			5,570
	24	2,072			-			2,072
	20	27,686			-			27,686
Concrete	16	1,531			-			1,531
	30	2,277			-			2,277
	20	48			-			48
<b>Total Supply Mains</b>		<b>76,422</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>76,422</b>
<b>Transmission &amp; Distribution Mains:</b>								
Cast Iron	30	8,534			-	43		8,491
	24	9			-	38		(27)
	20	15,081			-	134		14,947
	16	72,933			-	469		72,464
	14	36			-			36
	12	153,422			-	42		153,380
	10	9,484			-	5		9,479
	8	192,826			-	146		192,680
	6	568,185			-	6,784		561,401
	5	140			-			140
	4	28,765			-	47		28,718
	3	(1,307)			-	2		(1,309)
	2.5	109			-			109
Ductile Iron	2	92,705			-	12,584		80,121
	36	18,275			-			18,275
	30	1,918		109	109			2,027
	24	3,496		36	36			3,532
	20	8,025		67	67			8,092
	16	53,416		605	605	10		54,011
	12	191,702		-	-	81		191,621
	10	57		5	5			62
	8	257,590	23	14	37	3,261		254,366
	6	17,425		-	-			17,425
Concrete	4	3,893			-	45		3,848
	30	4,554			-			4,554
	24	14,813			-			14,813
	20	14,168			-			14,168
	16	22,398			-			22,398
Asbestos Cement	12	5,307			-	21		5,286
	8	408,668			-	61		408,607
	6	92,948			-	2,873		90,075
Plastic (PVC)	12	56,081		14	14			56,095
	8	84,112		149	149			84,261
	6	58,644	2,281	29,688	31,969	4		90,609
	5	101,662	6	693	709	928		101,533
	4	136,220		-	-			136,220
	3	202,050	452	3,443	3,895	59		205,886
	2.5	161,374		12	12	106		161,280
	2	230,028		-	-	5		230,023
Copper	2	3,493		729	729	5,167		(945)
Wrought Iron	2	20,868			-			20,868
Steel	1&2	(91)			-	8,449		(8,540)
Miscellaneous	1 & less	2,366			-			2,366
HDPE		8,461			-	290		8,171
	4	4,086		35	35	4		4,117
	6	1,623		239	239	4		1,858
	8	4,685		7	7	7		4,685
	12	337		1,011	1,011			1,348
		-			-			-
<b>Total Transmission &amp; Distribution Mains</b>		<b>3,335,571</b>	<b>2,762</b>	<b>37,056</b>	<b>39,818</b>	<b>41,667</b>	<b>-</b>	<b>3,333,722</b>

For the calendar year of January 1 - December 31, 2022

SERVICES					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Service 5/8"	-	7		7	
Single Service 3/4"	-			-	
Multiple Service 3/4"	882	1,031	36	1,877	
Service 1"	51	7	4	54	
Service 1 1/2"	181			181	
Service 2"	23	30	1	52	
Service 3"	57			57	
Service 4"	8	1		9	
Service 6"	19	3		22	
Service 8"	9	6		15	
Service 10"	2			2	
Service 12"	-	1		-	
	1			-	
				-	
<b>Total</b>	<b>1,233</b>	<b>1,065</b>	<b>41</b>	<b>2,277</b>	<b>-</b>

Indicates formula cell.

**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
St. Louis**

Company Name Missouri-American Water Company

1. Explain any important items included in Column (h).
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
<b>Transmission Mains:</b>								
DI, CI, HDPE, PVC	16	436,889		31,412	31,412	6,159		462,141
DI, CI	18	1,106		-	-			1,106
DI, CI, PVC	20	817,830		6,316	6,316	10,526		813,620
DI, CI, HDPE	24	388,913		12,142	12,142	1,447		399,608
DI, CI	30	263,989		557	557	458		264,088
HDPE	32	1,275		530	530			1,805
DI, CI, AC	36	276,499		799	799	30		277,268
DI, CI	42	69,709		849	849	184		70,374
DI, CI, Gal	48	-		87	87			87
Gal	54	89		89	89			178
DI, CI, AC	54	6,998		-	-			6,998
DI, CI, AC	60	4,938		-	-			4,938
<b>Total Transmission Mains</b>		<b>2,268,236</b>	<b>-</b>	<b>52,780</b>	<b>52,780</b>	<b>18,803</b>	<b>-</b>	<b>2,302,213</b>
<b>Distribution Mains:</b>								
DI, CI, PVC, AC, Galv	4	478,826	6,352	1,135	7,487	13,279		473,035
DI, CI, PVC, AC	6	11,601,297	114,624	18,088	132,712	208,075		11,525,934
DI, CI, PVC, AC	8	6,799,689	140,983	192,629	333,612	69,770		7,063,531
HDPE	8	25,192			-			25,192
DI, CI, PVC	10	50,119	59,138	64	59,202	890		108,431
DI, CI, PVC	12	2,710,900	6,550	73,658	80,208	24,724		2,766,384
HDPE	12	13,022		728	728	4		13,746
DI, CI, PVC, Galv	3 or less	26,987	6,338	52	6,390	2,981		30,396
Misc		642			-			642
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
<b>Total Distribution Mains</b>		<b>21,706,675</b>	<b>333,985</b>	<b>286,353</b>	<b>620,338</b>	<b>319,722</b>	<b>-</b>	<b>22,007,291</b>

SERVICES						
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)	
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)		
1" Copper	1,665	12,668		14,333		
1-1/2" Copper	246	771	1	1,016		
1-1/4" Copper	12	41		53		
2" Copper	46	210		256		
3" Copper	-	17		17		
4" Copper	-	7		7		
3/4" Copper	585	1,706	4	2,287		
12" Ductile Iron	3	2		5		
10" Ductile Iron	-	4		4		
8" Ductil Iron	20	53		73		
6" Ductile	15	50		65		
4" Ductile Iron	6	14		20		
3" Ductil Iron	-	1		1		
				-		
				-		
				-		
<b>Total</b>	<b>2,598</b>	<b>15,544</b>	<b>5</b>	<b>18,137</b>	<b>-</b>	

Indicates formula cell.

For the calendar year of January 1 - December 31, 2022



**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Branson Metro**

1. Explain any important items included in Column (h).
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
<b>Transmission Mains:</b>								
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
<b>Total Transmission Mains</b>		-	-	-	-	-	-	-
<b>Distribution Mains:</b>								
Ductile Iron	16-10	-			-			-
	8	8,954	1,154		1,154			10,108
	6	892			-			892
	4	3,279	121	2,138	2,259			5,538
	2	6			-			6
Cast Iron	42348	-			-			-
PVC	12-10	9,810			-			9,810
	8	236,610	441	9	450	9		237,051
	6	167,350		62	62	62		167,350
	4	147,383		1,224	1,224	2,691		145,916
	3 & 2	69,883	51	2,067	2,118	3,971		68,030
	3/4"-1.5"	4,568			-			4,568
Galvanized	2	10,545			-			10,545
HDPE	2	22			-			22
	4	2,899			-			2,899
PE	3/4"-4"	3			-			3
		-			-			-
		-			-			-
		-			-			-
		-			-			-
<b>Total Distribution Mains</b>		662,204	1,767	5,500	7,267	6,733	-	662,738

Company Name: Missouri-American Water Company

SERVICES					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
PE 3/4"	424	84	34	474	
Plastic	225			225	
PVC 3/4"	6,460	36	36	6,460	
PVC 1"	3,980	3		3,983	
5/8 Copper, PVC, SDR 9, 1"Copper, 3/4" Copper, 1-1/2"	1,980			1,980	
PVC 2"	255	1	1	255	
				-	
				-	
				-	
				-	
				-	
				-	
				-	
<b>Total</b>	13,324	124	71	13,377	-

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.

SCHEDULE ATTACHED TO AND MADE AS PART OF  
ANNUAL REPORT TO THE PUBLIC SERVICE COMMISSION OF MISSOURI  
Page W-14 Missouri-American Water Company Branson Metro

2020 Miles of Main in Use at End of Year by Operation, Pipe Type & Size																
	Emerald Pointe	Golden Acres	Lake Taneycomo (LTA)	Lakewood Manor	Ozark Mountain	Rankin Acres	Riverside Estates	Spring Valley	Saddlebrooke	Spokane	Stonebridge	Table Rock Estates	Tri-States	Woodland Manor	Totals	
<b>PVC</b>																
3/4"-1.5"		915.00											3,653.00		4,568.00	
3 & 2		1,190.00	11,680.00	5,947.00	6,191.00	(2,315.00)	11,112.00	6,556.00			975.00	5,500.00	26,138.00	2,410.00	75,383.00	
4		525.00	100.00	3,162.00	46,830.00	811.00	21,421.00	2,101.00			5,103.00		66,650.00	680.00	147,383.00	
6	6	1,000.00			81,478.00		650.00	1,200.00		12,672.00	18,782.00		50,612.00	950.00	167,350.00	
8	70,134.00								80,242.00		10,989.00		75,245.00		236,610.00	
12-10													4,310.00		4,310.00	
<b>Total</b>	<b>70,140.00</b>	<b>3,630.00</b>	<b>11,780.00</b>	<b>9,109.00</b>	<b>134,499.00</b>	<b>(1,504.00)</b>	<b>33,183.00</b>	<b>9,857.00</b>	<b>80,242.00</b>	<b>12,672.00</b>	<b>35,849.00</b>		<b>226,608.00</b>	<b>4,040.00</b>	<b>635,604.00</b>	
<b>Galvanized</b>																
2						5,950.00							5,500.00		4,595.00	
<b>Total</b>			-	-	-	<b>5,950.00</b>	-	-	-	-	-		-	<b>4,595.00</b>	<b>10,545.00</b>	
<b>Ductile Iron</b>																
2													6.00		6.00	
4			-	-	-	5,316.5	-	-	-		-		100.00	121.00	5,537.5	
6											46.0		846.00		892.00	
8									20.0		454.0		8,480.00	1,154.00	10,108.00	
<b>Total</b>			-	-	-	<b>5,316.5</b>	-	-	<b>20.0</b>		<b>500.0</b>		<b>9,432.00</b>	<b>1,275.00</b>	<b>16,543.5</b>	
<b>PE</b>																
3/4-4			6.0	-	3.0	-	-	-	-		-		(6.0)		3.0	
<b>Total</b>			<b>6.0</b>	-	<b>3.0</b>	-	-	-	-		-		<b>(6.0)</b>		<b>3.0</b>	
<b>HDPE</b>																
2			-	-	-	19.0	-	-	-		-		3.0		22.0	
4						2,899.0									2,899.0	
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,918.00</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>3</b>	<b>0</b>	<b>2,921.0</b>	
<b>Grand Total</b>	<b>70,140.00</b>	<b>3,630.00</b>	<b>11,786.0</b>	<b>9,109.0</b>	<b>134,502.0</b>	<b>12,680.5</b>	<b>33,183.0</b>	<b>9,857.0</b>	<b>80,262.0</b>	<b>12,672.0</b>	<b>36,349.0</b>		<b>5,500.0</b>	<b>236,037.0</b>	<b>9,910.0</b>	<b>665,616.5</b>

**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Wardsville**

1. Explain any important items included in Column (h).
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Company Name  
Missouri-American Water Company

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
Transmission & Distribution Mains Ductile Iron	6	13,890			-			13,890
	8	25,300		13	13	4		25,309
Plastic (PVC)	2	8,460			6	6		8,460
	3	12,530						12,530
	4	19,860						19,860
								-
<b>Total Transmission &amp; Distribution Mains</b>		<b>80,040</b>	<b>-</b>	<b>19</b>	<b>19</b>	<b>10</b>	<b>-</b>	<b>80,049</b>
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
								-
<b>Total Distribution Mains</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

SERVICES					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Single Service 3/4"	472	1	-	473	
Service 1"	28		-	28	
Service 1-1/2"	1		-	1	
Service 2"	7		-	7	
Service 3"	2		-	2	
Service 4"	4	1	-	5	
					-
					-
					-
					-
					-
					-
					-
					-
					-
					-
<b>Total</b>	<b>514</b>	<b>2</b>	<b>-</b>	<b>516</b>	<b>-</b>

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.

**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
Warrensburg**

Company Name Missouri-American Water Company

1. Explain any important items included in Column (h).
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Kind of Pipe (case iron, galvanized, steel, concrete asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
Supply Mains								
Asbestos Concrete	12	4,256			-			4,256
	10	1,192			-			1,192
Plastic (PVC)	12	2,194			-			2,194
	8	248			-			248
Ductile Iron	12	1,420			-			1,420
	6	240			-			240
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
<b>Total Supply Mains</b>		<b>9,550</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>9,550</b>
Transmission & Distribution Mains								
Asbestos Concrete	12	2,922			-			2,922
	10	813			-			813
	8	8,720			-	3		8,717
	6	43,214			-	7		43,207
Ductile Iron	16	7,690			-			7,690
	14	3,691		4	4	4		3,691
	12	29,565			-	12		29,553
	10	52			-			52
	8	30,638	192	1,688	1,880			32,518
	6	3,820			-	3		3,817
	4	272		8	8			280
Plastic (PVC)	12	33,724		11	11			33,735
	10	27,925			-			27,925
	8	128,329	1,269	3,214	4,483	51		132,761
	6	76,304		134	134	64		76,374
	4	1,754		22	22			1,776
	2	18,464		3	3			18,467
Cast Iron	12	9,975			-			9,975
	10	13,016			-			13,016
	8	17,253			-			17,253
	6	89,366			-	1,008		88,358
	4	33,278			-	4,576		28,702
	1	1,659			-			1,659
	2	3,248			-	3		3,245
	2.25	5,033			-			5,033
Copper	2	215			-			215
	1	258			-			258
	0.75	642			-			642
Galvanized	1.25	1,442			-			1,442
	1	2,111			-			2,111
Steel	24	80			-			80
PE	2	7			-			7
HDPE	2	190			-			190
	6	1,677			-			1,677
	8	640			-			640
					-			-
<b>Total Transmission &amp; Distribution Mains</b>		<b>597,887</b>	<b>1,461</b>	<b>5,084</b>	<b>6,545</b>	<b>5,731</b>	<b>-</b>	<b>598,701</b>

SERVICES					
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)	
Single Service 3/4"	1,985				1,985
Multiple Service 3/4"	1,557	73	61		1,569
Service 1"	678	446	150		974
Service 1 3/4"	1,035				1,035
Service 2"	200	1	1		200
Service 3"	3				3
Service 4"	132				132
Service 6"	59				59
Service 8"	62				62
					-
					-
					-
					-
					-
					-
					-
					-
<b>Total</b>	<b>5,711</b>	<b>520</b>	<b>212</b>	<b>6,019</b>	<b>-</b>

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.

**FEET OF TRANSMISSION AND DISTRIBUTION MAINS  
White Branch**

1. Explain any important items included in Column (h).
2. New mains are those laid primarily for the purpose of serving new customers; replacements are mains laid to serve customers already receiving water service, regardless of the size of mains replaced.

Company Name: Missourian-American Water Company

Kind of Pipe (case iron, galvanized, steel, concrete, asbestos, plastic, etc.) (a)	Diameter in Inches (b)	In Use at Beginning of Year (in feet) (c)	Added During the Year (in feet)			Retirements During the Year (in feet) (g)	Adjustments Debit (Credit) (in feet) (h)	In Use at End of Year (in feet) (i)
			New Mains (d)	Replacements (e)	Total (f)			
Transmission Mains:								
Ductile Iron	6	(131)			-			(131)
PE	3/4-1	18,390			-	60		18,230
		-			-			-
Plastic (PVC)	3 or less	3,061		129	129	69		3,061
	4	3,940			-			4,100
	6	450			-			450
		-			-			-
		-			-			-
<b>Total Transmission Mains</b>		<b>25,710</b>	<b>-</b>	<b>129</b>	<b>129</b>	<b>129</b>	<b>-</b>	<b>25,710</b>
Distribution Mains:								
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
					-			-
<b>Total Distribution Mains</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

SERVICES						
Size and Kind of Pipe (a)	Utility Owned Services In Use				Services In Use at End of Year not Included in Plant Accts. (f)	
	Beginning of Year (b)	Added During the Year (c)	Removed or Disconnected During the Year (d)	End of Year (e)		
Single Service 3/4"	10	6	6	10		
Service 6"	5			5		
				-		
				-		
				-		
				-		
				-		
				-		
				-		
				-		
				-		
<b>Total</b>	<b>15</b>	<b>6</b>	<b>6</b>	<b>15</b>	<b>-</b>	

For the calendar year of January 1 - December 31, 2022

Indicates formula cell.

**Anna Meadows**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)	
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)		
In Residential Use:	5/8	158	-	-	158		
					-		
					-		
					-		
<b>Total in Residential Use</b>			158	-	-	158	
In Commercial Use:						-	
						-	
						-	
<b>Total in Commercial Use</b>			-	-	-	-	
In Industrial Use:						-	
					-		
					-		
<b>Total in Industrial Use</b>		-	-	-	-		
In Public Use:					-		
					-		
<b>Total in Public Use</b>		-	-	-	-		
In Company Use		1			1		
					-		
<b>Total in Company Use</b>		1	-	-	1		
Changes in/out of stock					-		
<b>Total All Meters</b>		159	-	-	159		

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:	9			9	
				-	
<b>Total Public Fire Protection</b>	9	-	-	9	
Private Fire Protection:				-	
				-	
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>				-	
<b>Total Hydrants</b>	9	-	-	9	

Indicates formula cell.

**Brunswick Operations**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:	5/8"	364	-	1	363	
	1"	2	-	-	2	
	2"	-	-	-	-	
<b>Total in Residential Use</b>		366	-	1	365	
In Commercial Use:	5/8"	53	-	2	51	
	1"	11	-	-	11	
	2"	5	-	-	5	
<b>Total in Commercial Use</b>		69	-	2	67	
In Industrial Use:						
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:	5/8"	8	-	-	8	
	2"	1	-	-	1	
<b>Total in Public Use</b>		9	-	-	9	
In Wholesale Use:	5/8"	-	-	-	-	
	1"	1	-	-	1	
	2"	1	-	-	1	
<b>Total in Wholesale Use</b>		2	-	-	2	
Changes in/out of stock						
<b>Total All Meters</b>		446	-	3	443	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:	71	12	10	73	
<b>Total Public Fire Protection</b>	71	12	10	73	
Private Fire Protection:					
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>	7			7	
<b>Total Hydrants</b>	78	12	10	80	

Indicates formula cell.

**Emerald Pointe Operations**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential/Commercial Use:						
	5/8"	462	8	-	470	
	1"	9	1	-	10	
	2"	26	-	-	26	
					-	
					-	
<b>Total in Residential/Commercial Use</b>		497	9	-	506	
					-	
					-	
					-	
					-	
					-	
In Industrial Use:						
					-	
					-	
					-	
					-	
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:						
					-	
					-	
<b>Total in Public Use</b>		-	-	-	-	
In Wholesale Use						
					-	
					-	
<b>Total in Wholesale Use</b>		-	-	-	-	
Changes in/out of stock					-	
<b>Total All Meters</b>		497	9	-	506	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
	115	-	-	115	
<b>Total Public Fire Protection</b>	115	-	-	115	
Private Fire Protection:					
				-	
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>				-	
<b>Total Hydrants</b>	115	-	-	115	

Indicates formula cell.



**Garden City**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:						
	1"	2	-	1	1	
	1-1/2"	1	-	1	-	
	2"	1	1	-	2	
	5/8"	705	-	32	673	
					-	
					-	
<b>Total in Residential Use</b>		709	1	34	676	
In Commercial Use:						
	1"	2	2	-	4	
	1-1/2"	3	-	1	2	
	2"	3	-	-	3	
	5/8"	59	-	1	58	
					-	
					-	
<b>Total in Commercial Use</b>		67	2	2	67	
In Industrial Use:						
					-	
					-	
					-	
					-	
					-	
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:						
					-	
					-	
<b>Total in Public Use</b>		-	-	-	-	
In Wholesale Use:						
					-	
					-	
					-	
<b>Total in Wholesale Use</b>		-	-	-	-	
Changes in/out of stock					-	
<b>Total All Meters</b>		776	3	36	743	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
	-	3	3	-	
<b>Total Public Fire Protection</b>	-	3	3	-	
Private Fire Protection:					
				-	
				-	
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>					
				-	
<b>Total Hydrants</b>	-	3	3	-	

Indicates formula cell.

**Golden Acres**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:						
	5/8"	31	-	-	31	
	1"	2	-	1	1	
					-	
					-	
					-	
<b>Total in Residential Use</b>		33	-	1	32	
In Commercial Use:					-	
					-	
					-	
					-	
<b>Total in Commercial Use</b>		-	-	-	-	
In Industrial Use:					-	
					-	
					-	
					-	
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:					-	
					-	
<b>Total in Public Use</b>		-	-	-	-	
In Wholesale Use:					-	
					-	
					-	
<b>Total in Wholesale Use</b>		-	-	-	-	
Changes in/out of stock					-	
<b>Total All Meters</b>		33	-	1	32	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:				-	
				-	
<b>Total Public Fire Protection</b>	-	-	-	-	
Private Fire Protection:				-	
				-	
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>				-	
<b>Total Hydrants</b>	-	-	-	-	

Indicates formula cell.

**Hickory Hills**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:	5/8"	50	1	-	51	
					-	
					-	
					-	
<b>Total in Residential Use</b>		50	1	-	51	
In Commercial Use:	5/8"	1	-	-	1	
					-	
					-	
					-	
<b>Total in Commercial Use</b>		1	-	-	1	
In Industrial Use:						
					-	
					-	
					-	
					-	
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:						
					-	
					-	
<b>Total in Public Use</b>		-	-	-	-	
In Wholesale Use:						
					-	
					-	
<b>Total in Wholesale Use</b>		-	-	-	-	
Changes in/out of stock					-	
<b>Total All Meters</b>		51	1	-	52	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
					-
<b>Total Public Fire Protection</b>	-	-	-	-	-
Private Fire Protection:					
					-
<b>Total Private Fire Protection</b>	-	-	-	-	-
<b>Total Hydrants Other than Fire:</b>					-
<b>Total Hydrants</b>	-	-	-	-	-

Indicates formula cell.

**Jaxson Estates**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:	5/8"	165	25	-	190	
					-	
					-	
					-	
<b>Total in Residential Use</b>		165	25	-	190	
In Commercial Use:					-	
					-	
					-	
<b>Total in Commercial Use</b>		-	-	-	-	
In Industrial Use:					-	
				-		
				-		
<b>Total in Industrial Use</b>	-	-	-	-		
In Public Use:				-		
				-		
<b>Total in Public Use</b>	-	-	-	-		
In Wholesale Use:				-		
				-		
<b>Total in Wholesale Use</b>	-	-	-	-		
Changes in/out of stock				-		
<b>Total All Meters</b>		165	25	-	190	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:	16	3	-	19	
				-	
<b>Total Public Fire Protection</b>	16	3	-	19	
Private Fire Protection:				-	
				-	
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>				-	
<b>Total Hydrants</b>	16	3	-	19	

Indicates formula cell.

**Jefferson City Operations**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:						
	5/8"	9,191	-	9	9,182	
	1"	180	2	-	182	
	1 1/2"	3	-	-	3	
	2"	5	-	1	4	
					-	
<b>Total in Residential Use</b>		9,379	2	10	9,371	
In Commercial Use:						
	5/8"	895	-	-	895	
	1"	325	5	-	330	
	1 1/2"	83	-	-	83	
	2"	192	-	-	192	
	3"	10	-	-	10	
	4"	11	-	-	11	
	6"	2	-	-	2	
	10"	1	-	-	1	
					-	
<b>Total in Commercial Use</b>		1,519	5	-	1,524	
In Industrial Use:						
					-	
					-	
					-	
					-	
					-	
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:						
	5/8"	62	-	7	55	
	1"	65	-	3	62	
	1 1/2"	44	-	1	43	
	2"	108	1	-	109	
	3"	14	-	-	14	
	4"	10	-	-	10	
					-	
<b>Total in Public Use</b>		303	1	11	293	
In Private Fire Use						
	1"	4	-	-	4	
	2"	2	-	-	2	
	5/8"	53	6	-	59	
<b>Total in Private Fire Use</b>		59	6	-	65	
In Company Use		6				6
<b>Total All Meters</b>		11,266	14	21	11,259	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
5-1/4"	1,079	32	29	1,082	
4"	8	-		8	
<b>Total Public Fire Protection</b>	1,087	32	29	1,090	
Private Fire Protection:					
5-1/4"				-	42
4"				-	1
<b>Total Private Fire Protection</b>	-	-	-	-	43
<b>Total Hydrants Other than Fire:</b>				-	
<b>Total Hydrants</b>	1,087	32	29	1,090	43

Indicates formula cell.

**Joplin Operations**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:						
	5/8"	21,076	173	-	21,249	
	1"	2,485	29	-	2,514	
	1 1/2"	2	-	-	2	
	2"	41	3	-	44	
	3"	-	-	-	-	
	4"	-	-	-	-	
<b>Total in Residential Use</b>		<b>23,604</b>	<b>205</b>	<b>-</b>	<b>23,809</b>	
In Commercial/Industrial Use:						
	5/8"	1,747	-	2	1,745	
	3/4"	-	-	-	-	
	1"	660	5	-	665	
	1 1/2"	8	-	-	8	
	2"	539	21	-	560	
	4"	41	-	1	40	
	6"	16	-	-	16	
	8"	7	-	-	7	
	10"	1	-	-	1	
<b>Total in Commercial/Industrial Use</b>		<b>3,019</b>	<b>26</b>	<b>3</b>	<b>3,042</b>	
In Public Use (OPA):						
	5/8"	55	-	10	45	
	1"	42	-	4	38	
	2"	64	-	5	59	
	4"	7	-	-	7	
	6"	1	-	-	1	
	8"	1	-	-	1	
<b>Total in Public Use (OPA)</b>		<b>170</b>	<b>-</b>	<b>19</b>	<b>151</b>	
In Wholesale Use						
	1"	-	-	-	-	
	2"	1	-	-	1	
	4"	1	-	-	1	
	6"	2	-	-	2	
	8"	1	-	-	1	
<b>Total in Wholesale Use</b>		<b>5</b>	<b>-</b>	<b>-</b>	<b>5</b>	
Private Fire Meters						
	5/8"	201	37	-	238	
	4"	-	1	-	1	
<b>Total Private Fire Meters</b>		<b>201</b>	<b>38</b>	<b>-</b>	<b>239</b>	
Free Meters						
	5/8"	5	-	-	5	
	1"	7	-	-	7	
	2"	2	-	-	2	
<b>Total Free Meters</b>		<b>14</b>	<b>-</b>	<b>-</b>	<b>14</b>	
Company Use Meters						
		1	-	-	1	
<b>Total All Meters</b>		<b>27,014</b>	<b>269</b>	<b>22</b>	<b>27,261</b>	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
	517	45	13	549	
<b>Total Public Fire Protection</b>	<b>517</b>	<b>45</b>	<b>13</b>	<b>549</b>	
Private Fire Protection:					
	104	75	-	179	
<b>Total Private Fire Protection</b>	<b>104</b>	<b>75</b>	<b>-</b>	<b>179</b>	
<b>Total Hydrants Other than Fire:</b>					
<b>Total Hydrants</b>	<b>621</b>	<b>120</b>	<b>13</b>	<b>728</b>	

Indicates formula cell.

**Lake Carmel**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential/Commercial Use:						
	5/8"	68	2	-	70	
	1"	-	1	-	1	
					-	
					-	
					-	
<b>Total in Residential/Commercial Use</b>		68	3	-	71	
					-	
					-	
					-	
					-	
In Industrial Use:						
					-	
					-	
					-	
					-	
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:						
					-	
<b>Total in Public Use</b>		-	-	-	-	
In Wholesale Use						
					-	
					-	
<b>Total in Wholesale Use</b>		-	-	-	-	
Changes in/out of stock					-	
<b>Total All Meters</b>		68	3	-	71	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
				-	
<b>Total Public Fire Protection</b>	-	-	-	-	
Private Fire Protection:					
				-	
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>				-	
<b>Total Hydrants</b>	-	-	-	-	

Indicates formula cell.

**Lawson  
METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential/Commercial Use:						
	5/8"	980	10	-	990	
	1"	17	-	-	17	
	1-1/2"	5	-	-	5	
	2"	19	-	-	19	
	3"	1	-	-	1	
<b>Total in Residential/Commercial Use</b>		1,022	10	-	1,032	
In Industrial Use:						
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:						
<b>Total in Public Use</b>		-	-	-	-	
In Wholesale Use						
<b>Total in Wholesale Use</b>		-	-	-	-	
Changes in/out of stock						
<b>Total All Meters</b>		1,022	10	-	1,032	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
	142	4	2	144	
<b>Total Public Fire Protection</b>	142	4	2	144	
Private Fire Protection:					
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>					
<b>Total Hydrants</b>	142	4	2	144	

Indicates formula cell.



**Maplewood  
METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential/Commercial Use:						
	5/8"	398	-	6	392	
	2"	2	-	-	2	
	3"	1	-	-	1	
					-	
					-	
<b>Total in Residential/Commercial Use</b>		401	-	6	395	
In Commercial Use:					-	
					-	
					-	
					-	
					-	
<b>Total in Commercial Use</b>		-	-	-	-	
In Industrial Use:					-	
					-	
					-	
					-	
					-	
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:					-	
					-	
<b>Total in Public Use</b>		-	-	-	-	
In Wholesale Use:					-	
					-	
					-	
<b>Total in Wholesale Use</b>		-	-	-	-	
Changes in/out of stock					-	
<b>Total All Meters</b>		401	-	6	395	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
				-	
		-		-	
<b>Total Public Fire Protection</b>	-	-	-	-	
Private Fire Protection:				-	
				-	
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>				-	
<b>Total Hydrants</b>	-	-	-	-	

Indicates formula cell.

**Mexico  
METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:						
	5/8"	4,500	-	-	4,500	
	3/4"	4	-	-	4	
	1"	38	-	-	38	
	1-1/2"	-	-	-	-	
	2"	2	-	-	2	
	3"	2	-	-	2	
	4"	-	-	-	-	
	6"	-	-	-	-	
<b>Total in Residential Use</b>		<b>4,546</b>	<b>-</b>	<b>-</b>	<b>4,546</b>	
In Commercial/Industrial Use:						
	5/8"	329	-	-	329	
	3/4"	5	-	-	5	
	1"	93	-	-	93	
	1 1/2"	1	-	-	1	
	2"	66	-	-	66	
	3"	7	-	-	7	
	4"	3	-	-	3	
	6"	3	-	-	3	
<b>Total in Commercial/Industrial Use</b>		<b>507</b>	<b>-</b>	<b>-</b>	<b>507</b>	
In Public Use:						
	5/8"	28	-	-	28	
	3/4"	3	-	-	3	
	1"	24	-	-	24	
	1 1/2"	3	-	-	3	
	2"	36	-	-	36	
	3"	5	-	-	5	
<b>Total in Public Use</b>		<b>99</b>	<b>-</b>	<b>-</b>	<b>99</b>	
In Wholesale Use						
	2"	1	-	-	1	
	3"	1	-	-	1	
	6"	-	-	-	-	
<b>Total in Wholesale Use</b>		<b>2</b>	<b>-</b>	<b>-</b>	<b>2</b>	
In Private Fire Use						
	5/8"	4,748	-	4,701	47	
<b>Total in Private Fire Use</b>		<b>4,748</b>	<b>-</b>	<b>4,701</b>	<b>47</b>	
Company Meters		9	-	-	9	
<b>Total All Meters</b>		<b>9,911</b>	<b>-</b>	<b>4,701</b>	<b>5,210</b>	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
	583	25	21	587	
<b>Total Public Fire Protection</b>	<b>583</b>	<b>25</b>	<b>21</b>	<b>587</b>	
Private Fire Protection:					
	-	-	-	-	
<b>Total Private Fire Protection</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Total Hydrants Other than Fire:</b>					
	-	-	-	-	
<b>Total Hydrants</b>	<b>583</b>	<b>25</b>	<b>21</b>	<b>587</b>	

Indicates formula cell.

**Orrick  
METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:						
	5/8"	-	321	-	321	
	1"		2	-	2	
	2"		1	-	1	
	3"		1	-	1	
					-	
					-	
<b>Total in Residential Use</b>		-	325	-	325	
In Commercial/Industrial Use:						
	5/8"		31	-	31	
	1"		3	-	3	
	2"		5	-	5	
	3"		1	-	1	
					-	
					-	
					-	
<b>Total in Commercial/Industrial Use</b>		-	40	-	40	
					-	
					-	
					-	
					-	
					-	
In Public Use:						
	5/8"		6	-	6	
	2"		2	-	2	
					-	
<b>Total in Public Use</b>		-	8	-	8	
In Wholesale Use						
	5/8"		-	-	-	
	1"		-	-	-	
	2"		-	-	-	
					-	
<b>Total in Wholesale Use</b>		-	-	-	-	
Changes in/out of stock						
					-	
<b>Total All Meters</b>		-	373	-	373	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
	-	48	-	48	
					-
<b>Total Public Fire Protection</b>	-	48	-	48	
Private Fire Protection:					
					-
					-
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>					-
					-
<b>Total Hydrants</b>	-	48	-	48	

Indicates formula cell.

**Parkville Operations**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:						
	5/8"	5,502	190	-	5,692	
	1"	680	9	-	689	
	1 1/2"	13	-	-	13	
	2"	6	1	-	7	
					-	
					-	
<b>Total in Residential Use</b>		6,201	200	-	6,401	
In Commercial/Industrial Use:						
	5/8"	283	1	-	284	
	1"	95	2	-	97	
	1 1/2"	43	1	-	44	
	2"	105	1	-	106	
	3"	9	-	-	9	
	4"	5	-	-	5	
	6"	5	1	-	6	
	8"	2	-	-	2	
<b>Total in Commercial/Industrial Use</b>		547	6	-	553	
In Public Use (OPA):						
	5/8"	19	-	3	16	
	1"	4	1	-	5	
	1 1/2"	8	-	-	8	
	2"	9	-	-	9	
	3"	1	-	-	1	
	4"	-	-	-	-	
	6"	1	-	-	1	
<b>Total in Public Use (OPA)</b>		42	1	3	40	
In Wholesale Use						
	3"	2	-	-	2	
	4"	1	-	-	1	
					-	
<b>Total in Wholesale Use</b>		3	-	-	3	
In Private Fire Use						
	5/8"	65	1	-	66	
	1"	1	-	-	1	
	1-1/2"	1	-	-	1	
	4"	1	-	-	1	
					-	
<b>Total in Private Fire Use</b>		68	1	-	69	
Free Meters	2"	1	-	-	1	
<b>Total All Meters</b>		6,862	208	3	7,067	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
	940	28	11	957	
<b>Total Public Fire Protection</b>	940	28	11	957	
Private Fire Protection:					
	34	-	23	11	
<b>Total Private Fire Protection</b>	34	-	23	11	
<b>Total Hydrants Other than Fire:</b>					
<b>Total Hydrants</b>	974	28	34	968	

Indicates formula cell.

**Pevely Farms**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:						
	5/8"	9	-	-	9	
	3/4"	9	-	-	9	
	1"	147	1	-	148	
	1-1/2"	4	-	-	4	
					-	
					-	
<b>Total in Residential Use</b>		169	1	-	170	
In Commercial Use:						
	5/8"	1	-	-	1	
	1"	2	-	-	2	
					-	
					-	
					-	
<b>Total in Commercial Use</b>		3	-	-	3	
In Industrial Use:						
					-	
					-	
					-	
					-	
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:						
					-	
					-	
<b>Total in Public Use</b>		-	-	-	-	
In Wholesale Use:						
					-	
					-	
<b>Total in Wholesale Use</b>		-	-	-	-	
Changes in/out of stock					-	
<b>Total All Meters</b>		172	1	-	173	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
	29	-	-	29	
<b>Total Public Fire Protection</b>	29	-	-	29	
Private Fire Protection:					
				-	
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>				-	
<b>Total Hydrants</b>	29	-	-	29	

Indicates formula cell.

**Purcell  
METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:	5/8"		182	-	182	
<b>Total in Residential Use</b>		-	182	-	182	
In Commercial Use:		5/8"		6	-	6
<b>Total in Commercial Use</b>	-		6	-	6	
In Industrial Use:	5/8"					
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:		5/8"		1	-	1
<b>Total in Public Use</b>	-		1	-	1	
In Wholesale Use						
<b>Total in Wholesale Use</b>		-	-	-	-	
Changes in/out of stock						
<b>Total All Meters</b>		-	189	-	189	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:	-	28	-	28	
<b>Total Public Fire Protection</b>	-	28	-	28	
Private Fire Protection:					
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>					
<b>Total Hydrants</b>	-	28	-	28	

Indicates formula cell.

**Redfield  
METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential/Commercial Use:						
	5/8"	19	1	-	20	
	1"	14	-	-	14	
	2"	2	-	-	2	
					-	
					-	
<b>Total in Residential/Commercial Use</b>		35	1	-	36	
					-	
					-	
					-	
					-	
					-	
In Industrial Use:						
					-	
					-	
					-	
					-	
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:						
					-	
					-	
<b>Total in Public Use</b>		-	-	-	-	
In Wholesale Use						
					-	
					-	
<b>Total in Wholesale Use</b>		-	-	-	-	
Changes in/out of stock						
					-	
<b>Total All Meters</b>		35	1	-	36	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
	3			3	
<b>Total Public Fire Protection</b>	3	-	-	3	
Private Fire Protection:					
				-	
				-	
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>					
				-	
<b>Total Hydrants</b>	3	-	-	3	

Indicates formula cell.

**Rogue Creek  
METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:	5/8"	117	-	-	117	
					-	
					-	
					-	
<b>Total in Residential Use</b>		117	-	-	117	
In Commercial Use:					-	
					-	
					-	
<b>Total in Commercial Use</b>		-	-	-	-	
In Industrial Use:					-	
				-		
				-		
<b>Total in Industrial Use</b>	-	-	-	-		
In Public Use:				-		
				-		
<b>Total in Public Use</b>	-	-	-	-		
In Wholesale Use:				-		
				-		
				-		
<b>Total in Wholesale Use</b>	-	-	-	-		
Changes in/out of stock				-		
<b>Total All Meters</b>		117	-	-	117	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:				-	
				-	
<b>Total Public Fire Protection</b>	-	-	-	-	
Private Fire Protection:				-	
				-	
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>				-	
<b>Total Hydrants</b>	-	-	-	-	

Indicates formula cell.



**St. Charles/Warren County Operations**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential/Commercial Use:	5/8"	29,179	-	535	28,644	
	1"	1,871	11	-	1,882	
	1 1/2"	229	1	-	230	
	2"	250	5	-	255	
	3"	28	-	1	27	
	4"	21	-	-	21	
	6"	11	-	1	10	
	8"	16	-	-	16	
	10"	3	-	-	3	
<b>Total in Residential/Commercial Use</b>		31,608	17	537	31,088	
					-	
					-	
					-	
					-	
					-	
In Industrial Use:					-	
					-	
					-	
					-	
					-	
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:					-	
					-	
<b>Total in Public Use</b>		-	-	-	-	
In Private Fire Use	5/8"	46	3	-	49	
					-	
<b>Total in Private Fire Use</b>		46	3	-	49	
Changes in/out of stock					-	
<b>Total All Meters</b>		31,654	20	537	31,137	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:	3,194	54	21	3,227	
<b>Total Public Fire Protection</b>	3,194	54	21	3,227	
Private Fire Protection:				-	
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>				-	
<b>Total Hydrants</b>	3,194	54	21	3,227	

Indicates formula cell.

**St. Joseph Operations**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:	5/8"	27,964	2	-	27,966	
	3/4"	1,592	-	4	1,588	
	1"	716	10	-	726	
	1 1/2"	6	-	-	6	
	2"	16	3	-	19	
	3"	-	-	-	-	
	4"	-	-	-	-	
	6"	-	-	-	-	
	8"	-	-	-	-	
<b>Total in Residential Use</b>		<b>30,294</b>	<b>15</b>	<b>4</b>	<b>30,305</b>	
In Commercial/Industrial Use:	5/8"	1,693	-	15	1,678	
	3/4"	169	-	-	169	
	1"	502	7	-	509	
	1 1/2"	72	-	1	71	
	2"	430	16	-	446	
	3"	14	-	-	14	
	4"	23	2	-	25	
	6"	9	1	-	10	
	8"	7	1	-	8	
<b>Total in Commercial/Industrial Use</b>		<b>2,919</b>	<b>27</b>	<b>16</b>	<b>2,930</b>	
In Public Use (OPA):	5/8"	51	-	3	48	
	3/4"	15	-	-	15	
	1"	32	3	-	35	
	1 1/2"	16	-	-	16	
	2"	88	2	-	90	
	3"	4	-	-	4	
	4"	4	-	-	4	
	6"	1	-	-	1	
	8"	2	-	1	1	
<b>Total in Public Use (OPA)</b>		<b>213</b>	<b>5</b>	<b>4</b>	<b>214</b>	
In Wholesale Use	2"	5	-	-	5	
	4"	5	-	-	5	
	6"	3	-	-	3	
	5/8"	1	-	1	-	
<b>Total in Wholesale Use</b>		<b>14</b>	<b>-</b>	<b>1</b>	<b>13</b>	
In Private Fire Use	5/8"	297	19	-	316	
	2"	1	-	-	1	
<b>Total in Private Fire Use</b>		<b>298</b>	<b>19</b>	<b>-</b>	<b>317</b>	
Changes in/out of stock					-	
<b>Total All Meters</b>		<b>33,738</b>	<b>66</b>	<b>25</b>	<b>33,779</b>	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:	3,196	134	132	3,198	
<b>Total Public Fire Protection</b>	<b>3,196</b>	<b>134</b>	<b>132</b>	<b>3,198</b>	
Private Fire Protection:				-	
<b>Total Private Fire Protection</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Total Hydrants Other than Fire:</b>				-	
<b>Total Hydrants</b>	<b>3,196</b>	<b>134</b>	<b>132</b>	<b>3,198</b>	

Indicates formula cell.

**St. Louis Operations**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential/Commercial Use:						
	5/8"	299,491	1,891	-	301,382	
	3/4"	31,028	198	-	31,226	
	1"	11,059	1,131	-	12,190	
	1 1/2"	1,486	443	-	1,929	
	2"	4,334	117	-	4,451	
	3"	349	22	-	371	
	4"	273	11	-	284	
	6"	262	7	-	269	
	8"	305	6	-	311	
	10"	72	1	-	73	
					-	
					-	
					-	
<b>Total in Residential/Commercial Use</b>		348,659	3,827	-	352,486	
In Industrial Use:					-	
					-	
					-	
					-	
					-	
					-	
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:					-	
					-	
<b>Total in Public Use</b>		-	-	-	-	
In Wholesale Use					-	
					-	
					-	
<b>Total in Wholesale Use</b>		-	-	-	-	
Changes in/out of stock					-	
					-	
<b>Total All Meters</b>		348,659	3,827	-	352,486	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
	32,438	1,297	584	33,151	
<b>Total Public Fire Protection</b>	32,438	1,297	584	33,151	
Private Fire Protection:					
				-	
				-	
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>					
				-	
<b>Total Hydrants</b>	32,438	1,297	584	33,151	

Indicates formula cell.

Tri-County METERS

Use (a)	Size (b)	Number of Utility Owned Meters											Total
		Saddlebrook	Tri States	Spring Valley	Spokane	Stonebridge /Roark	Riverside	Lakewood Manor	LTA	Ozark Mountain 1	Ozark Mountain 2	Ozark Mountain 3	
In Residential Use:	5/8"	56	3,277	105	53	706	310	39	106	155	212	123	5,142
	1"	99	19	1		2	3			1			125
	1-1/2"												2
	2"		2										-
<b>Total In Residential Use</b>		155	3,298	106	53	708	313	39	106	156	212	123	5,269
In Commercial/Industrial Use:	5/8"	4	132	1		41							178
	1"	1	30	1		47							79
	1 1/2"					13							13
	2"		105			11							116
	3"		7										7
	4"		6										6
	6"		1										1
	8"		1										1
<b>Total In Commercial/Industrial Use</b>		5	282	2	-	112	-	-	-	-	-	-	401
In Private Fire Use:	5/8"		5										5
<b>Total In Private Fire Use</b>		-	5	-	-	-	-	-	-	-	-	-	5
In Company Use:	2"		1										1
<b>Total In Company Use</b>		-	1	-	-	-	-	-	-	-	-	-	1
Changes in/out of stock													-
<b>Total All Meters</b>		160	3,586	108	53	820	313	39	106	156	212	123	5,676

HYDRANTS

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants										No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)							Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:											-
<b>Total Public Fire Protection</b>	-	-	-	-	-	-	-	-	-	-	-
Private Fire Protection:											-
<b>Total Private Fire Protection</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Total Hydrants Other than Fire:</b>											-
<b>Total Hydrants</b>	-	-	-	-	-	-	-	-	-	-	-

Indicates formula cell.

**Wardsville  
METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential/Commercial Use:						
	5/8"	482	2	-	484	
	1"	21	-	-	21	
	1-1/2"	3	-	-	3	
	2"	6	-	-	6	
	3"	3	-	-	3	
		-	-	-	-	
<b>Total in Residential/Commercial Use</b>		515	2	-	517	
					-	
					-	
					-	
					-	
					-	
In Industrial Use:						
		-	-	-	-	
					-	
					-	
					-	
					-	
<b>Total in Industrial Use</b>		-	-	-	-	
In Public Use:						
					-	
					-	
<b>Total in Public Use</b>		-	-	-	-	
In Wholesale Use						
					-	
					-	
<b>Total in Wholesale Use</b>		-	-	-	-	
Changes in/out of stock						
					-	
<b>Total All Meters</b>		515	2	-	517	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
	63	1	1	63	
<b>Total Public Fire Protection</b>	63	1	1	63	
Private Fire Protection:					
				-	
				-	
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>					
				-	
<b>Total Hydrants</b>	63	1	1	63	

Indicates formula cell.

**Warrensburg Operations**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:						
	5/8"	7,165	60	-	7,225	
	3/4"	3	-	-	3	
	1"	30	-	-	30	
	2"	1	-	-	1	
		-	-	-	-	
		-	-	-	-	
<b>Total in Residential Use</b>		7,199	60	-	7,259	
In Commercial/Industrial Use:						
	5/8"	539	8	-	547	
	3/4"	5	-	1	4	
	1"	96	-	-	96	
	1 1/2"	29	-	-	29	
	2"	130	-	-	130	
	3"	4	-	-	4	
	4"	8	-	-	8	
	6"	1	-	-	1	
	8"	1	-	-	1	
	12"	-	1	-	1	
<b>Total in Commercial/Industrial Use</b>		813	9	1	821	
In Public Use (OPA):						
	5/8"	96	-	4	92	
	3/4"	-	-	-	-	
	1"	8	-	-	8	
	1 1/2"	4	-	-	4	
	2"	39	-	-	39	
	3"	5	-	1	4	
	4"	13	-	-	13	
	8"	1	-	-	1	
<b>Total in Public Use (OPA)</b>		166	-	5	161	
In Sales for Resale Use						
	4"	1	-	-	1	
<b>Total in Sales for Resale Use</b>		1	-	-	1	
In Private Fire Use						
	5/8"	98	1	-	99	
<b>Total in Private Fire Use</b>		98	1	-	99	
Changes in/out of stock					-	
<b>Total All Meters</b>		8,277	70	6	8,341	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:					
	814	21	22	813	
<b>Total Public Fire Protection</b>	814	21	22	813	
Private Fire Protection:					
	16	-	-	16	
<b>Total Private Fire Protection</b>	16	-	-	16	
<b>Total Hydrants Other than Fire:</b>				-	
<b>Total Hydrants</b>	830	21	22	829	

Indicates formula cell.

**Woodland Manor**  
**METERS**

Use (a)	Size (b)	Number of Utility Owned Meters				Number of Meters Owned by Customers in Use at End of Year (g)
		Beginning of Year (c)	Added During the Year (d)	Removed or Disconnected During the Year (e)	End of the Year (f)	
In Residential Use:	5/8"	171	2	-	173	
	1"	2	-	1	1	
	2"	1	-	-	1	
					-	
					-	
<b>Total in Residential Use</b>		174	2	1	175	
In Commercial/Industrial Use:	5/8"	19	-	-	19	
	3/4"	1	-	-	1	
	1"	4	1	-	5	
	1-1/2"	3	-	-	3	
	2"	3	-	-	3	
					-	
					-	
<b>Total in Commercial/Industrial Use</b>		30	1	-	31	
					-	
					-	
					-	
					-	
					-	
In Public Use:					-	
					-	
<b>Total in Public Use</b>		-	-	-	-	
Inventory	5/8" & 3/4"	70	-	-	70	
	1" & 1.5"	10	-	-	10	
					-	
<b>Total in Inventory</b>		80	-	-	80	
Changes in/out of stock					-	
<b>Total All Meters</b>		284	3	1	286	

**HYDRANTS**

Description (size of branch or valve opening, manufacturer type, number and size of nozzles, etc.) (a)	Number of Utility Owned Hydrants				No. of Customer Owned Hydrants in Service End of Year (f)
	No. in Service at Beginning of the Year (b)	Added During the Year (c)	Removed During the Year (d)	No. in Service at End of Year (e)	
Public Fire Protection:	1			1	
				-	
<b>Total Public Fire Protection</b>	1	-	-	1	
Private Fire Protection:				-	
				-	
<b>Total Private Fire Protection</b>	-	-	-	-	
<b>Total Hydrants Other than Fire:</b>				-	
<b>Total Hydrants</b>	1	-	-	1	

Indicates formula cell.

Company Name **Missouri-American Water Company**

**Anna Meadows**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (e) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		487	487
February		431	431
March		439	439
April		422	422
May		422	422
June		165	165
July		528	528
August		442	442
September		389	389
October		368	368
November		396	396
December		429	429
<b>Total for Year</b>	<b>0</b>	<b>4,917</b>	<b>4,917</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

  Indicates formula cell.



Company Name **Missouri-American Water Company**

**Brunswick**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		4,706	4,706
February		4,226	4,226
March		4,090	4,090
April		3,985	3,985
May		4,575	4,575
June		4,580	4,580
July		4,712	4,712
August		4,156	4,156
September		3,967	3,967
October		4,324	4,324
November		3,903	3,903
December		4,237	4,237
Total for Year	0	51,461	51,461

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts: \$

Total amount paid for electric energy-kilowatt hours: \$

Total amount paid for electricity for pumping during year: \$

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

 Indicates formula cell.

Company Name **Missouri-American Water Company**

**Emerald Pointe  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		4,615,000	4,615,000
February		4,304,000	4,304,000
March		5,152,000	5,152,000
April		5,010,000	5,010,000
May		5,955,000	5,955,000
June		8,079,000	8,079,000
July		11,067,000	11,067,000
August		9,696,000	9,696,000
September		8,692,000	8,692,000
October		7,593,000	7,593,000
November		5,836,000	5,836,000
December		6,782,000	6,782,000
<b>Total for Year</b>	<b>0</b>	<b>82,781,000</b>	<b>82,781,000</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

  Indicates formula cell.

**Eureka**

**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January	0	34,502	34,502
February	0	32,670	32,670
March	0	35,969	35,969
April	0	35,384	35,384
May	0	46,280	46,280
June	0	66,501	66,501
July	0	83,599	83,599
August	0	79,017	79,017
September	0	63,191	63,191
October	0	51,668	51,668
November	0	38,269	38,269
December	0	40,526	40,526
<b>Total for Year</b>	<b>0</b>	<b>607,575</b>	<b>607,575</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

Company Name **Missouri-American Water Company**

**Garden City  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Surface Water Pumping into Distribution Main:			
January		2,995	2,995
February		2,685	2,685
March		2,819	2,819
April		2,748	2,748
May		2,896	2,896
June		3,251	3,251
July		3,238	3,238
August		3,109	3,109
September		3,015	3,015
October		3,282	3,282
November		3,088	3,088
December		2,643	3,288
	645		
Total for Year	645	35,769	36,414

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

Company Name **Missouri-American Water Company**

**Golden Acres  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		104,000	104,000
February		140,000	140,000
March		105,000	105,000
April		108,000	108,000
May		170,000	170,000
June		136,000	136,000
July		189,000	189,000
August		143,000	143,000
September		121,000	121,000
October		117,000	117,000
November		127,000	127,000
December		178,000	178,000
<b>Total for Year</b>	<b>0</b>	<b>1,638,000</b>	<b>1,638,000</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:

Vendor:

Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

Company Name **Missouri-American Water Company**

**Hickory Hills  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:		No electric used in production	
January	198,900		198,900
February	257,500		257,500
March	198,900		198,900
April	257,500		257,500
May	226,000		226,000
June	309,900		309,900
July	385,200		385,200
August	304,800		304,800
September	252,600		252,600
October	291,000		291,000
November	241,000		241,000
December	529,800		529,800
<b>Total for Year</b>	<b>3,453,100</b>	<b>0</b>	<b>3,453,100</b>

Maximum gallons pumped by all methods in any one day: **Weekly reading**  Date

Minimum gallons pumped by all methods in any one day: **Weekly reading**  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

  Indicates formula cell.

Company Name **Missouri-American Water Company**

**Jaxson Estates**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		875	875
February		922	922
March		864	864
April		829	829
May		1,103	1,103
June		1,503	1,503
July		1,436	1,436
August		1,624	1,624
September		1,279	1,279
October		805	805
November		888	888
December		865	865
<b>Total for Year</b>	<b>0</b>	<b>12,991</b>	<b>12,991</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

 Indicates formula cell.

Company Name **Missouri-American Water Company**

**Jefferson City  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		214,920	214,920
February		254,400	254,400
March		220,800	220,800
April		214,080	214,080
May		236,160	236,160
June		272,640	272,640
July		284,160	284,160
August		267,840	267,840
September		273,600	273,600
October		226,560	226,560
November		245,760	245,760
December		258,240	258,240
<b>Total for Year</b>	<b>0</b>	<b>2,969,160</b>	<b>2,969,160</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts: \$

Total amount paid for electric energy-kilowatt hours: \$

Total amount paid for electricity for pumping during year: \$

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.



Company Name **Missouri-American Water Company**

**Joplin**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Natural Gas Power (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January	448	397,158	397,606
February	656	344,584	345,240
March	8,034	402,065	410,099
April	12,487	366,825	379,312
May	25,186	389,416	414,602
June	6,200	466,440	472,640
July	1,625	514,077	515,702
August	9,178	496,392	505,570
September	7	512,927	512,934
October	7,265	450,800	458,065
November	4,022	401,793	405,815
December	7,880	438,052	445,932
<b>Total for Year</b>	<b>82,988</b>	<b>5,180,529</b>	<b>5,263,517</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:

Vendor:

Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

Webb City, MO.

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

  Indicates formula cell.

Company Name **Missouri-American Water Company**

**Lake Carmel**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		3,030	3,030
February		2,607	2,607
March		1,930	1,930
April		1,505	1,505
May		1,205	1,205
June		1,704	1,704
July		1,084	1,084
August		1,075	1,075
September		615	615
October		826	826
November		2,263	2,263
December		3,696	3,696
<b>Total for Year</b>	<b>0</b>	<b>21,540</b>	<b>21,540</b>

Maximum gallons pumped by all methods in any one day:(Per Week)	121,173	8/29/2022
Minimum gallons pumped by all methods in any one day:(Per Week)	49,627	4/11/2022
Total gallons of water passed through customers' meters during year:	3,131,700	
Total gallons of first stage pumping (estimated if not metered)*:	3,632,992	
Type of power used for first stage pumping:	Electric	
Utility supplying electricity for pumping:	Three Rivers	
Total amount paid for electric demand - kilowatts:		
Total amount paid for electric energy-kilowatt hours:	\$ -	
Total amount paid for electricity for pumping during year:	\$ 2,310.99	
Total amount of electricity used for pumping - kilowatt hours:	21,540	
Measured or estimated gallons of water used in backwashing during year:	N/A	
Measured or estimated gallons of water in blowing settling basin:	N/A	
Range of pressure on mains as measured at station: (ordinary)		
Average static head against which pumps work: (in fact)	41	
If water is purchased for resale, indicate the following:		
Vendor:	n/a	
Point of Delivery:		
If water is sold to other water utilities for redistribution, list names of such utilities below:	n/a	

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

Company Name **Missouri-American Water Company**

**Lawson**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main: purchased water no wells			
January	4,993		0
February	4,482		0
March	5,039		0
April	4,945		0
May	5,256		5,256
June	4,794		4,794
July	5,216		5,216
August	5,462		5,462
September	5,234		5,234
October	5,319		5,319
November	4,541		4,541
December	4,814		4,814
<b>Total for Year</b>	<b>60,096</b>	<b>0</b>	<b>40,637</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

Company Name **Missouri-American Water Company**

**Maplewood  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		2,383,427	2,383,427
February		2,111,828	2,111,828
March		2,222,682	2,222,682
April		2,202,411	2,202,411
May		2,685,245	2,685,245
June		2,656,297	2,656,297
July		2,503,630	2,503,630
August		2,639,243	2,639,243
September		2,440,574	2,440,574
October		2,242,130	2,242,130
November		2,244,673	2,244,673
December		2,217,595	2,217,595
<b>Total for Year</b>	<b>0</b>	<b>28,549,735</b>	<b>28,549,735</b>

Maximum gallons pumped by all methods in any one day:(Per Week)	110,704	6/17/2022
Minimum gallons pumped by all methods in any one day:(Per Week)	52,285	11/30/2022
Total gallons of water passed through customers' meters during year:	27,317,528	
Total gallons of first stage pumping (estimated if not metered)*:		
Type of power used for first stage pumping:		
Utility supplying electricity for pumping:		
Total amount paid for electric demand - kilowatts:		
Total amount paid for electric energy-kilowatt hours:	N/A	
Total amount paid for electricity for pumping during year:	\$ 9,538.88	
Total amount of electricity used for pumping - kilowatt hours:	83,170	
Measured or estimated gallons of water used in backwashing during year:	N/A	
Measured or estimated gallons of water in blowing settling basin:	N/A	
Range of pressure on mains as measured at station: (ordinary)		
Average static head against which pumps work: (in fact)		
If water is purchased for resale, indicate the following:		
Vendor:	n/a	
Point of Delivery:		
If water is sold to other water utilities for redistribution, list names of such utilities below:		
n/a		

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

**Mexico**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January	0	45,470,000	45,470,000
February	0	41,498,000	41,498,000
March	0	44,258,000	44,258,000
April	0	43,302,000	43,302,000
May	0	50,079,000	50,079,000
June	0	52,734,000	52,734,000
July	0	54,016,000	54,016,000
August	0	50,764,000	50,764,000
September	0	45,255,000	45,255,000
October	0	47,990,000	47,990,000
November	0	46,938,000	46,938,000
December	0	48,309,000	48,309,000
<b>Total for Year</b>	<b>0</b>	<b>570,613,000</b>	<b>570,613,000</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

**Monsees Lake Estates  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January			0
February			0
March			0
April			0
May			0
June			0
July			0
August			0
September			0
October - system owned for 1/2 month	126,500	438	126,938
November	299,600	2,055	301,655
December	326,180	2,801	328,981
<b>Total for Year</b>	<b>752,280</b>	<b>5,294</b>	<b>757,574</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

  Indicates formula cell.

Company Name **Missouri-American Water Company**

**Orrick  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January			0
February			0
March	2,250		2,250
April	3,003		3,003
May	2,720		2,720
June	1,961		1,961
July	1,684		1,684
August	1,255		1,255
September	1,737		1,737
October	1,798		1,798
November	3,725		3,725
December	1,668		1,668
<b>Total for Year</b>	<b>21,801</b>	<b>0</b>	<b>21,801</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:

  Vendor:

  Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

**Parkville  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Do to acquiring Pevely Farms December 2017 no information is available at this time			
Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January	758	70,281	71,039
February	1,011	61,381	62,392
March		70,643	70,643
April		73,548	73,548
May		82,557	82,557
June	2,816	99,217	102,033
July	6,303	122,697	129,000
August	9,135	133,253	142,388
1160085	8,279	131,602	139,881
October	2,597	120,664	123,261
November		75,164	75,164
December		66,953	66,953
Total for Year	29,130	1,107,960	1,138,859

Maximum gallons pumped by all methods in any one day:	6,832,000	8/28/2022
Minimum gallons pumped by all methods in any one day	1,786,400	Date 11/24/2022
Total gallons of water passed through customers' meters during year:	997,979	
Total gallons of first stage pumping (estimated if not metered)*: <b>(Estimated Well Flow)</b>	1,197,033,000	
Type of power used for first stage pumping:	Electric	
Utility supplying electricity for pumping:	Evergy (Formerly KCP&L)	
Total amount paid for electric demand - kilowatts:	N/A	
Total amount paid for electric energy-kilowatt hours:	N/A	
Total amount paid for electricity for pumping during year:	\$ 327,296.12	
Total amount of electricity used for pumping - kilowatt hours:	3,205,419	
Measured or estimated gallons of water used in backwashing during year:	18,315,760	
Measured or estimated gallons of water in blowing settling basin:	8,887,750	
Range of pressure on mains as measured at station: (ordinary)	95-125 PSI	
Average static head against which pumps work: (in fact)	110 PSI	
If water is purchased for resale, indicate the following:		
Vendor:	City of Kansas City	
Point of Delivery:	Briarcliff Interconnection	

If water is sold to other water utilities for redistribution, list names of such utilities below:  
 City of Lake Waukomis  
 Kansas City Missouri Water Department  
 Public Water Supply District #6

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.



Company Name **Missouri-American Water Company**

**Pevely Farms  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Do to acquiring Pevely Farms December 2017 no information is available at this time			
Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		970,461	970,461
February		1,178,129	1,178,129
March		1,625,229	1,625,229
April		1,614,622	1,614,622
May		2,139,979	2,139,979
June		4,480,438	4,480,438
July		5,153,487	5,153,487
August		5,012,904	5,012,904
1160085		4,281,533	4,281,533
October		2,982,785	2,982,785
November		1,113,337	1,113,337
December		1,160,085	1,160,085
Total for Year	0	31,712,989	31,712,989

Maximum gallons pumped by all methods in any one day:	290,600	Date	9/30/2023
Minimum gallons pumped by all methods in any one day	-	Date	Multiple Days
Total gallons of water passed through customers' meters during year:	23,700,000		
Total gallons of first stage pumping (estimated if not metered)*: <b>(Estimated Well Flow)</b>	34,114,105		
Type of power used for first stage pumping:	Electric		
Utility supplying electricity for pumping:	Ameren MO		
Total amount paid for electric demand - kilowatts:	N/A		
Total amount paid for electric energy-kilowatt hours:	\$ 29,384.33		
Total amount paid for electricity for pumping during year:	\$ 29,867.10		
Total amount of electricity used for pumping - kilowatt hours:	298,729		
Measured or estimated gallons of water used in backwashing during year:	2,401,116		
Measured or estimated gallons of water in blowing settling basin:	N/A		
Range of pressure on mains as measured at station: (ordinary)	150 psi		
Average static head against which pumps work: (in fact)	347'		
If water is purchased for resale, indicate the following:			
Vendor:	N/A		
Point of Delivery:			
If water is sold to other water utilities for redistribution, list names of such utilities below:			

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

Company Name **Missouri-American Water Company**

**Pom-O-Sa  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January			0
February			0
March			0
April			0
May			0
June			0
July			0
August			0
September			0
October			0
November			0
December			0
	137,900		137,900
<b>Total for Year</b>	<b>137,900</b>	<b>0</b>	<b>137,900</b>

Maximum gallons pumped by all methods in any one day:(Per Week)	6,600	12/16/2022
Minimum gallons pumped by all methods in any one day:(Per Week)	2,100	12/2/2022
Total gallons of water passed through customers' meters during year:	N/A	
Total gallons of first stage pumping (estimated if not metered)*:	N/A	
Type of power used for first stage pumping:		
Utility supplying electricity for pumping:		
Total amount paid for electric demand - kilowatts:		
Total amount paid for electric energy-kilowatt hours:		
Total amount paid for electricity for pumping during year:		
Total amount of electricity used for pumping - kilowatt hours:		
Measured or estimated gallons of water used in backwashing during year:		
Measured or estimated gallons of water in blowing settling basin:		
Range of pressure on mains as measured at station: (ordinary)		
Average static head against which pumps work: (in fact)		
If water is purchased for resale, indicate the following:		
Vendor:		
Point of Delivery:		
If water is sold to other water utilities for redistribution, list names of such utilities below:		
n/a		

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

  Indicates formula cell.

Company Name **Missouri-American Water Company**

**Purcell**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January			0
February			0
March			0
April			0
May			0
June			0
July			0
August			0
September			0
October			0
November		4,535	4,535
December		5,476	5,476
<b>Total for Year</b>	<b>0</b>	<b>10,011</b>	<b>10,011</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:

Vendor:

Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

 Indicates formula cell.

Company Name **Missouri-American Water Company**

**Redfield**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		5,887	5,887
February		3,175	3,175
March		2,600	2,600
April		1,675	1,675
May		1,100	1,100
June		1,625	1,625
July		1,950	1,950
August		1,700	1,700
September		6,503	6,503
October		1,625	1,625
November		2,300	2,300
December		6,503	6,503
<b>Total for Year</b>	<b>0</b>	<b>36,643</b>	<b>36,643</b>

Maximum gallons pumped by all methods in any one day:(Per Week)  Date

Minimum gallons pumped by all methods in any one day:(Per Week)  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts: \$

Total amount paid for electric energy-kilowatt hours: \$

Total amount paid for electricity for pumping during year: \$

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

**Rogue Creek  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		844	844
February		751	751
March		624	624
April		610	610
May		488	488
June		716	716
July		710	710
August		707	707
September		820	820
October		767	767
November		788	788
December		810	810
<b>Total for Year</b>	<b>0</b>	<b>8,635</b>	<b>8,635</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

Company Name **Missouri-American Water Company**

**St Charles  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		4,567	4,567
February		4,283	4,283
March		4,549	4,549
April		4,208	4,208
May		4,603	4,603
June		6,154	6,154
July		6,849	6,849
August		5,963	5,963
September		6,809	6,809
October		4,685	4,685
November		4,682	4,682
December		5,707	5,707
<b>Total for Year</b>	<b>0</b>	<b>63,059</b>	<b>63,059</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:  Includes Warren County

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:  
 PWSD #2 City of St. Peters

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

 Indicates formula cell.

Company Name **Missouri-American Water Company**

**St Joseph**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons) MGD
Gallons Well Pumping into Distribution Main:			
January	0	557	557
February	0	515	515
March	0	556	556
April	0	528	528
May	0	563	563
June	0	579	579
July	0	609	609
August	0	654	654
September	0	627	627
October	0	621	621
November	0	551	551
December	0	548	548
<b>Total for Year</b>	<b>0</b>	<b>6,906</b>	<b>6,906</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day:  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:  
 Buchanan

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

     Indicates formula cell.

Company Name **Missouri-American Water Company**

**St Louis**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January	23,005	3,899,474	3,922,479
February	23,011	3,570,475	3,593,486
March	23,007	3,780,742	3,803,749
April	23,010	3,789,782	3,812,792
May	45,999	4,490,163	4,536,162
June	46,006	5,816,533	5,862,539
July	46,016	6,498,666	6,544,682
August	46,003	5,901,624	5,947,627
September	45,993	5,423,971	5,469,964
October	46,018	5,047,802	5,093,820
November	23,006	3,794,067	3,817,073
December	22,997	4,153,237	4,176,234
<b>Total for Year</b>	<b>414,071</b>	<b>56,166,536</b>	<b>56,580,607</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:  (includes DS kWh)

Measured or estimated gallons of water used in backwashing during year:  (estimated)

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:

Vendor:

Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

1. City of Kirkwood
2. Public Water District #1 - Jefferson County
3. Public Water District #3 - Jefferson County
4. Public Water District #10 - Jefferson County
5. C-1 Jefferson County

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.



**Tri States**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January	699,000	49,959,000	50,658,000
February	688,000	52,802,000	53,490,000
March	690,000	53,256,000	53,946,000
April	633,000	51,329,000	51,962,000
May	625,000	53,810,000	54,435,000
June	632,000	68,220,000	68,852,000
July	679,000	86,228,000	86,907,000
August	614,000	69,394,000	70,008,000
September	652,000	61,305,000	61,957,000
October	619,000	62,362,000	62,981,000
November	550,000	51,588,000	52,138,000
December	1,064,000	55,897,000	56,961,000
<b>Total for Year</b>	<b>8,145,000</b>	<b>716,150,000</b>	<b>724,295,000</b>

Maximum gallons pumped by all methods in any one day:  Date

Minimum gallons pumped by all methods in any one day  Date

Total gallons of water passed through customers' meters during year:  \*Rankin Acres not metered

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

**Wardsville**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		23,451	23,451
February		20,416	20,416
March		14,765	14,765
April		13,025	13,025
May		12,193	12,193
June		20,161	20,161
July		20,954	20,954
August		19,831	19,831
September		18,151	18,151
October		15,944	15,944
November		13,975	13,975
December		16,617	16,617
<b>Total for Year</b>	<b>0</b>	<b>209,482</b>	<b>209,482</b>

Maximum gallons pumped by all methods in any one day: **WEEKLY**  Date

Minimum gallons pumped by all methods in any one day **WEEKLY**  Date

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:  
 Vendor:   
 Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

Company Name **Missouri-American Water Company**

**St. Charles Operations (Warren County)**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		1,057	1,057
February		1,072	1,072
March		835	835
April		763	763
May		845	845
June		965	965
July		1,017	1,017
August		936	936
September		854	854
October		835	835
November		834	834
December		916	916
<b>Total for Year</b>	<b>0</b>	<b>10,928</b>	<b>10,928</b>

Maximum gallons pumped by all methods in any one day:	281,000	9/13/2022
Minimum gallons pumped by all methods in any one day	36,000	12/22/2022
Total gallons of water passed through customers' meters during year:	35,326,400	
Total gallons of first stage pumping (estimated if not metered)*:	N/A	
Type of power used for first stage pumping:	Electric	
Utility supplying electricity for pumping:	Cuivre River Electric Cooperative	
Total amount paid for electric demand - kilowatts:	NA	
Total amount paid for electric energy-kilowatt hours:	NA	
Total amount paid for electricity for pumping during year:	\$ 10,928.00	
Total amount of electricity used for pumping - kilowatt hours:	147,040	
Measured or estimated gallons of water used in backwashing during year:	NA	
Measured or estimated gallons of water in blowing settling basin:	NA	
Range of pressure on mains as measured at station: (ordinary)	36-90	
Average static head against which pumps work: (in fact)	36	
If water is purchased for resale, indicate the following:		
Vendor:	NA	
Point of Delivery:		
If water is sold to other water utilities for redistribution, list names of such utilities below:		
NA		

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

Company Name **Missouri-American Water Company**

**Warrensburg**  
**POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		54	54
February		49	49
March		52	52
April		59	59
May		78	78
June		83	83
July		80	80
August		76	76
September		73	73
October		64	64
November		53	53
December		54	54
<b>Total for Year</b>	<b>0</b>	<b>774</b>	<b>774</b>

Maximum gallons pumped by all methods in any one day:	3.375	Date	9/24/2022
Minimum gallons pumped by all methods in any one day	1	Date	11/24/2022
Total gallons of water passed through customers' meters during year:	653,795,867		
Total gallons of first stage pumping (estimated if not metered)*:			
Type of power used for first stage pumping:	Electric		
Utility supplying electricity for pumping:	Evergy		
Total amount paid for electric demand - kilowatts:	n/a		
Total amount paid for electric energy-kilowatt hours:	n/a		
Total amount paid for electricity for pumping during year:	\$ 248,493.12		
Total amount of electricity used for pumping - kilowatt hours:	2,239,257		
Measured or estimated gallons of water used in backwashing during year:	n/a		
Measured or estimated gallons of water in blowing settling basin:	n/a		
Range of pressure on mains as measured at station: (ordinary)			
Average static head against which pumps work: (in fact)			
If water is purchased for resale, indicate the following:			
Vendor:	n/a		
Point of Delivery:			
If water is sold to other water utilities for redistribution, list names of such utilities below:			

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Company Name **Missouri-American Water Company**

**Whitebranch  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		578,900	578,900
February		517,680	517,680
March		795,170	795,170
April		455,440	455,440
May		557,300	557,300
June		652,260	652,260
July		570,670	570,670
August		492,050	492,050
September		486,410	486,410
October		425,730	425,730
November		384,000	384,000
December		521,460	521,460
Total for Year	0	6,437,070	6,437,070

Maximum gallons pumped by all methods in any one day: (Per Week)	52,700	12/12/2022
Minimum gallons pumped by all methods in any one day: (Per Week)	7,800	11/2/2022
Total gallons of water passed through customers' meters during year:		
Total gallons of first stage pumping (estimated if not metered)*:	6,522,975	
Type of power used for first stage pumping:		
Utility supplying electricity for pumping:		
Total amount paid for electric demand - kilowatts:		
Total amount paid for electric energy-kilowatt hours:	N/A	
Total amount paid for electricity for pumping during year:	\$ 15,392.63	
Total amount of electricity used for pumping - kilowatt hours:	99,474	
Measured or estimated gallons of water used in backwashing during year:		
Measured or estimated gallons of water in blowing settling basin:		
Range of pressure on mains as measured at station: (ordinary)		
Average static head against which pumps work: (in fact)		
If water is purchased for resale, indicate the following:		
Vendor:		
Point of Delivery:		
If water is sold to other water utilities for redistribution, list names of such utilities below:		
n/a		

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

Indicates formula cell.

Company Name **Missouri-American Water Company**

**Woodland Manor  
POWER, PUMPING AND PURCHASED WATER STATISTICS**

Particulars (a)	Purchased Water (b) (000 gallons)	Electric Power (c) (000 gallons)	Total All Methods (d) (000 gallons)
Gallons Well Pumping into Distribution Main:			
January		1,212,000	1,212,000
February		1,078,000	1,078,000
March		1,180,000	1,180,000
April		1,204,000	1,204,000
May		1,340,000	1,340,000
June		1,695,000	1,695,000
July		1,804,000	1,804,000
August		1,766,000	1,766,000
September		1,579,000	1,579,000
October		1,587,000	1,587,000
November		1,401,000	1,401,000
December		1,576,000	1,576,000
Total for Year	0	17,422,000	17,422,000

Maximum gallons pumped by all methods in any one day:

Minimum gallons pumped by all methods in any one day:

Total gallons of water passed through customers' meters during year:

Total gallons of first stage pumping (estimated if not metered)\*:

Type of power used for first stage pumping:

Utility supplying electricity for pumping:

Total amount paid for electric demand - kilowatts:

Total amount paid for electric energy-kilowatt hours:

Total amount paid for electricity for pumping during year:

Total amount of electricity used for pumping - kilowatt hours:

Measured or estimated gallons of water used in backwashing during year:

Measured or estimated gallons of water in blowing settling basin:

Range of pressure on mains as measured at station: (ordinary)

Average static head against which pumps work: (in fact)

If water is purchased for resale, indicate the following:

Vendor:

Point of Delivery:

If water is sold to other water utilities for redistribution, list names of such utilities below:

\* First stage pumping applies only when water is pumped twice before entering distribution system and the term is defined as pumping from source of supply to suction well or reservoir from which water is pumped into distribution mains.

     Indicates formula cell.

**PUMPING STATION EQUIPMENT**

**Anna Meadows Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Deep well pump			
Identification number, description, etc of each pump:	Submersible pump			
Type (displacement, centrifugal, air life, turbine, etc.):	Turbine			
Purpose of pump (low lift, distribution, etc.):	Groundwater supply			
Manufacturer:	Grundfos			
Rated Capacity (gallons per minute):	380			
Discharge Head (in feet):	546			
Revolutions or Strokes Per Minute:	3,525 rpm			
Number of Stages:	9			
Connection (belt, gear or direct, etc.):	Direct			
Number of Hours Operated During Year:	516			
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):	Electric Motor			
Type	3 phase AC			
Manufacturer	Franklin			
Rated Horsepower	75			
Boiler Data:	N/A			
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:	N/A			
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:	N/A			
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Brunswick Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	WELL #1	WELL #2	WELL #3	
Identification number, description, etc of each pump:	WL01	WL02	WL03	
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible Centrifugal	Submersible Centrifugal	Submersible Centrifugal	
Purpose of pump (low lift, distribution, etc.):	Source of supply	Source of supply	Source of supply	
Manufacturer:	Webtrol	Webtrol	Sulzer	
Rated Capacity (gallons per minute):	140	140	400	
Discharge Head (in feet):	100	100	180	
Revolutions or Strokes Per Minute:	3,450	3,450	3,450	
Number of Stages:	3	3	3	
Connection (belt, gear or direct, etc.):	DIRECT	DIRECT	DIRECT	
Number of Hours Operated During Year:	3750.4	3670.3	21.2	
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric	Electric	Electric	
Manufacturer	Franklin	Franklin	Franklin	
Rated Horsepower	7.5	7.5	25	
Boiler Data:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description	Well 1 Generator	NA	NA	NA
Manufacturer	Kohler			
Motive Power (steam, gas or oil, hydraulic)	Diesel			
Connection (belt, gear or direct)	direct			
Rated Capacity (in kilowatt-amperes)	38.8			
Air Compressors:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022



**PUMPING STATION EQUIPMENT**

**Brunswick Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Plant High Service #1	Plant High Service #2	Plant High Service #3	
Identification number, description, etc of each pump:	HS#1	HS#2	HS#3	
Type (displacement, centrifugal, air life, turbine, etc.):	Vertical centrifugal	Vertical centriugal	Vertical centrifugal	
Purpose of pump (low lift, distribution, etc.):	Distribution	Distribution	Distribution	
Manufacturer:	Layne	Layne	Layne	
Rated Capacity (gallons per minute):	235	250	240	
Discharge Head (in feet):	264	260	235	
Revolutions or Strokes Per Minute:	1760	1750	1765	
Number of Stages:	10	11	11	
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	
Number of Hours Operated During Year:	1,380.30	1,429.40	1,161	
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric	Electric	Electric	
Manufacturer	US Motors	US Motors	GE	
Rated Horsepower	25	25	25	
Boiler Data:				
Identification Number or Description	NA	NA	NA	
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description	NA	NA	NA	
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description	NA	NA	NA	
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**  
**Tri County District - Emerald Pointe Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i>Pumping Equipment</i>				
Identification number or description of well or other source of supply to which pump is connected:				
Identification number, description, etc of each pump:	Emerald Pointe Well 1	Emerald Pointe Well 2		
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible	Submersible		
Purpose of pump (low lift, distribution, etc.):	Deep Well	Deep Well		
Manufacturer:	Groundfos	Groundfos		
Rated Capacity (gallons per minute):	400 gpm	500 gpm		
Discharge Head (in feet):				
Revolutions or Strokes Per Minute:				
Number of Stages:				
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:				
<i>Power Equipment</i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric	Electric		
Manufacturer	Franklin	Hitachi		
Rated Horsepower	100 hp	100 hp		
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Eureka Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i>Pumping Equipment</i>				
Identification number or description of well or other source of supply to which pump is connected:	Well #1 - Howerton	Well #5 - Drewel Park	Well #6 - Legends	Well #8 - Viola
Identification number, description, etc of each pump:	Well Pump #1 (11748 / 028171)	Well Pump #5 (14554 / A023424)	Well Pump #6 (14552 / A055130)	Well Pump #8 (16828 / A116098)
Type (displacement, centrifugal, air life, turbine, etc.):	Turbine (deep-well pump)	Turbine (deep-well pump)	Turbine (deep-well pump)	Turbine (deep-well pump)
Purpose of pump (low lift, distribution, etc.):	Well - Source of Supply	Well - Source of Supply	Well - Source of Supply	Well - Source of Supply
Manufacturer:	Grundfos	Grundfos	Grundfos	Grundfos
Rated Capacity (gallons per minute):	800 gpm	1,150 gpm	670 gpm	660 gpm
Discharge Head (in feet):	380 tdh	290 tdh	460 tdh	625 tdh
Revolutions or Strokes Per Minute:	3510 rpm	3525 rpm	3525 rpm	3525 rpm
Number of Stages:	4	4	5	5
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	Direct
Number of Hours Operated During Year:	2,934	2,859	2,455	2,812
<i>Power Equipment</i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	electric motor	electric motor	electric motor	electric motor
Manufacturer	Hitachi	Hitachi	Franklin	Hitachi
Rated Horsepower	100	100	100	125
Boiler Data:				
Identification Number or Description	N/A	N/A	N/A	N/A
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description	796231	796230	J9606	379975
Manufacturer	Kohler	Kohler	Onan	Kohler
Motive Power (steam, gas or oil, hydraulic)	diesel	diesel	diesel	diesel
Connection (belt, gear or direct)	direct	direct	direct	direct
Rated Capacity (in kilowatt-amperes)	150	150	500	500
Air Compressors:				
Identification Number or Description	N/A	N/A	N/A	N/A
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Eureka Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Well #9 - Arbors	Well #10 - West Main	<b>See Pg W-17 Attachment for Boster Stations</b>	
Identification number, description, etc of each pump:	Well Pump #9 (20024 / A200195)	Well Pump #10 (18309 / A150587)		
Type (displacement, centrifugal, air life, turbine, etc.):	Turbine (deep-well pump)	Turbine (deep-well pump)		
Purpose of pump (low lift, distribution, etc.):	Well - Source of Supply	Well - Source of Supply		
Manufacturer:	Grundfos	Grundfos		
Rated Capacity (gallons per minute):	800 gpm	450 gpm		
Discharge Head (in feet):	380 tdh	730 tdh		
Revolutions or Strokes Per Minute:	3,525 rpm	3,525 rpm		
Number of Stages:	4	11		
Connection (belt, gear or direct, etc.):	Direct	Direct		
Number of Hours Operated During Year:	1,077	3,018		
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	electric motor	electric motor		
Manufacturer	Franklin	Franklin		
Rated Horsepower	100	100		
Boiler Data:				
Identification Number or Description	N/A	N/A		
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description	450DFEJ	2176938		
Manufacturer	Onan	Kohler		
Motive Power (steam, gas or oil, hydraulic)	diesel	diesel		
Connection (belt, gear or direct)	direct	direct		
Rated Capacity (in kilowatt-amperes)	450	250		
Air Compressors:				
Identification Number or Description	N/A	N/A		
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**MISSOURI-AMERICAN WATER COMPANY  
FOR THE YEAR ENDED DECEMBER 31, 2022  
EUREKA BOOSTER STATION EQUIPMENT**

PUMP	USE	MFR.	CAPACITY gpm	HEAD (FT.)	RPM	PRIME MOVER	MFR.	HORSE POWER	Purpose of Pump	Hours
<b>Old Viola Booster</b>										
#1	Booster	Peerless	600	158	3,402	Elec.	Baldor	30	Distribution Booster	3,031
#2	Booster	Peerless	600	158	3,402	Elec.	Baldor	30	Distribution Booster	5,050
#3 - High Flow	Booster	Peerless	1,000	120	1,765	Elec.	U.S.	50	Distribution Booster	2
<b>New Viola Booster</b>										
Jockey Pump	Booster	Peerless	50	250	3,500	Elec.	Baldor	7.5	Distribution Booster	0
#1	Booster	Peerless	250	250	3,500	Elec.	Baldor	30	Distribution Booster	2,073
#2	Booster	Peerless	250	250	3,500	Elec.	Baldor	30	Distribution Booster	6,461
#3 - High Flow	Booster	Peerless	600	250	3,500	Elec.	Baldor	75	Distribution Booster	2
<b>Legends Booster</b>										
#1 - Jockey Pump	Booster	Cornell	250	250	3,525	Elec.	Baldor	25	Distribution Booster	100
#2	Booster	Cornell	1,100	250	3,555	Elec.	Baldor	100	Distribution Booster	5,271
#3	Booster	Cornell	1,100	250	3,555	Elec.	Baldor	100	Distribution Booster	2,842
#4 - High Flow	Booster	Cornell	1,100	250	3,550	Elec.	Marathon	100	Distribution Booster	2
<b>Arbors Booster</b>										
#1	Booster	Grundfos	140	266	3,530	Elec.	Baldor	20	Distribution Booster	4,427
#2	Booster	Grundfos	140	266	3,530	Elec.	Baldor	20	Distribution Booster	4,386
#3	Booster	Grundfos	490	266	3,550	Elec.	Baldor	50	Distribution Booster	330
#4	Booster	Grundfos	490	266	3,550	Elec.	Baldor	50	Distribution Booster	312
#5	Booster	Cornell	1,500	264	1,785	Elec.	Baldor	150	Distribution Booster	1
<b>Forby Booster</b>										
#1	Booster	Peerless	80	155	3,600	Elec.	Baldor	7.5	Distribution Booster	4,031
#2	Booster	Peerless	80	155	3,600	Elec.	Baldor	7.5	Distribution Booster	4,007
#3 - High Flow	Booster	Peerless	1,000	85	1,800	Elec.	Baldor	30	Distribution Booster	0
<b>Electric Generator</b>	<b>ID Number or Description</b>	<b>Manufacturer</b>	<b>Motive Power (steam, gas or oil, hydraulic)</b>			<b>Connection (belt, gear or direct)</b>		<b>Rated Capacity (in kilowatt-amperes)</b>		
	G050801857	Cummins	diesel			direct		75		
<b>Neihoff Booster</b>										
#1	Booster	Grundfos	339	290	3,521	Elec.	Baldor	25	Distribution Booster	2,659
#2	Booster	Grundfos	339	290	3,521	Elec.	Baldor	25	Distribution Booster	2,654
#3 - High Flow	Booster	Grundfos	339	290	3,521	Elec.	Baldor	25	Distribution Booster	2,637
<b>Electric Generator</b>	<b>ID Number or Description</b>	<b>Manufacturer</b>	<b>Motive Power (steam, gas or oil, hydraulic)</b>			<b>Connection (belt, gear or direct)</b>		<b>Rated Capacity (in kilowatt-amperes)</b>		
	CAT00C66VN6D03191	Olympian	diesel			direct		125		
<b>Brock Booster</b>										
#1 - Jockey Pump	Booster	Grundfos	20	300	3,550	Elec.	Baldor	3	Distribution Booster	0
#2	Booster	Peerless	75	264	3,500	Elec.	U.S.	15	Distribution Booster	7,967
#3	Booster	Peerless	75	264	3,500	Elec.	U.S.	15	Distribution Booster	186
#4 - High Flow	Booster	Peerless	1,050	228	3,500	Elec.	U.S.	100	Distribution Booster	0
<b>Electric Generator</b>	<b>ID Number or Description</b>	<b>Manufacturer</b>	<b>Motive Power (steam, gas or oil, hydraulic)</b>			<b>Connection (belt, gear or direct)</b>		<b>Rated Capacity (in kilowatt-amperes)</b>		
	I030542459	Onan	diesel			direct		300		
<b>Emerald Forrest Booster</b>										
#1 - Jockey Pump	Booster	Grundfos	13	120	3,500	Elec.	Baldor	1	Distribution Booster	0
#2	Booster	Grundfos	60	150	3,500	Elec.	Baldor	5	Distribution Booster	831
#3	Booster	Grundfos	60	150	3,500	Elec.	Baldor	5	Distribution Booster	7,338
#4 - High Flow	Booster	Cornell	1,000	135	1,800	Elec.	Baldor	50	Distribution Booster	0
<b>Electric Generator</b>	<b>ID Number or Description</b>	<b>Manufacturer</b>	<b>Motive Power (steam, gas or oil, hydraulic)</b>			<b>Connection (belt, gear or direct)</b>		<b>Rated Capacity (in kilowatt-amperes)</b>		
	386625	Kohler	diesel			direct		100		

**PUMPING STATION EQUIPMENT**

**Garden City**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Old Lake Pump #1 & #2	New Lake Pump #1 & #2	UF Feed Pumps 1 & 2	UF Backwash Pump 1 & 2
Identification number, description, etc of each pump:				
Type (displacement, centrifugal, air life, turbine, etc.):	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Purpose of pump (low lift, distribution, etc.):	Intake	Intake	UF Membrane Feed Pumps	UF Membrane Backwash Pumps
Manufacturer:	Aurora	Carver	Goulds Pumps	Goulds Pumps
Rated Capacity (gallons per minute):	300	300	471	650
Discharge Head (in feet):	19	250	92	92
Revolutions or Strokes Per Minute:	1,750	3,600	1,775	1,780
Number of Stages:	Single	Single	Single	Single
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:	0 (Emergency use only)	3285	3285	182.5
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric Motor	Electric Motor	Electric Motor	Electric Motor
Manufacturer	US Electric	Web	US Electric	US Electric
Rated Horsepower	3 HP	40 HP	20 HP	30 HP
Boiler Data:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description	Garden City Water Plant		Garden City Water Plant	Garden City Water Plant
Manufacturer	Cummins	NA	Cummins	Cummins
Motive Power (steam, gas or oil, hydraulic)	Diesel		Diesel	Diesel
Connection (belt, gear or direct)	Unknown			
Rated Capacity (in kilowatt-amperes)	Unknown			
Air Compressors:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Garden City**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Transfer Pump 1	Transfer Pump 2	High Service Pump 1	High Service Pump 2
Identification number, description, etc of each pump:				
Type (displacement, centrifugal, air life, turbine, etc.):	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Purpose of pump (low lift, distribution, etc.):	Transfer to Clearwell	Transfer to Clearwell	System Demand	System Demand
Manufacturer:	Weiman	Unknown	PACO Pump	PACO Pump
Rated Capacity (gallons per minute):	Unknown	400		
Discharge Head (in feet):	Unknown	5.5		
Revolutions or Strokes Per Minute:	1.75	1,800		
Number of Stages:	Single	Single	Single	Single
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:	0 (Not in Service)	2,920	1,825	
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric Motor	Electric Motor	Electric Motor	Electric Motor
Manufacturer	Baldor - Relianced	US Electric	WEG	Baldor
Rated Horsepower	7.5	10 HP	25 HP	25 HP
Boiler Data:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description	Garden City Water Plant	Garden City Water Plant	Garden City Water Plant	Garden City Water Plant
Manufacturer	Cummins	Cummins	Cummins	Cummins
Motive Power (steam, gas or oil, hydraulic)	Diesel	Diesel	Diesel	Diesel
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**  
**Branson Metro - Golden Acres**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:				
Identification number, description, etc of each pump:	Golden Acres Well 1	Golden Acres Well 2		
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible	Submersible		
Purpose of pump (low lift, distribution, etc.):	Deep Well	Deep Well		
Manufacturer:	Grundfos	Grundfos		
Rated Capacity (gallons per minute):	100 gpm	50 gpm		
Discharge Head (in feet):				
Revolutions or Strokes Per Minute:				
Number of Stages:				
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:				
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric	Electric		
Manufacturer	Franklin	Franklin		
Rated Horsepower	2hp	5hp		
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022



**PUMPING STATION EQUIPMENT**  
**HICKORY HILLS OPERATIONS**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:				
Identification number, description, etc of each pump:	Well #1			
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible			
Purpose of pump (low lift, distribution, etc.):	Well pump			
Manufacturer:	Grundfos/Franklin			
Rated Capacity (gallons per minute):	30			
Discharge Head (in feet):	NA			
Revolutions or Strokes Per Minute:	NA			
Number of Stages:	1			
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:	15			
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric			
Manufacturer	Grundfos/Franklin			
Rated Horsepower	5			
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Jaxson Estates Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<u>Pumping Equipment</u>				
Identification number or description of well or other source of supply to which pump is connected:	Jaxson Estates well			
Identification number, description, etc of each pump:	Grundfos 800S1250-5			
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible			
Purpose of pump (low lift, distribution, etc.):				
Manufacturer:	Grundfos			
Rated Capacity (gallons per minute):	800			
Discharge Head (in feet):	120			
Revolutions or Strokes Per Minute:	3,525			
Number of Stages:	5			
Connection (belt, gear or direct, etc.):	direct			
Number of Hours Operated During Year:	approx. 200			
<u>Power Equipment</u>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):	None			
Type				
Manufacturer				
Rated Horsepower				
Boiler Data:	None			
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)	o			
Rated Horsepower				
Electric Generators:	None			
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:	None			
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT  
JEFFERSON CITY OPERATIONS**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i>Pumping Equipment</i>				
Identification number or description of well or other source of supply to which pump is connected:				
Identification number, description, etc of each pump:	L.S. #1 - RW-PVD-110	L.S. #2 - RW-PVD-120	L.S. #3 - RW-PVD-130	L.S. #4 - RW-PVD-140
Type (displacement, centrifugal, air life, turbine, etc.):	Vertical Turbine	Vertical Turbine	Vertical Turbine	Vertical Turbine
Purpose of pump (low lift, distribution, etc.):	Raw Water	Raw Water	Raw Water	Raw Water
Manufacturer:	Sulzer	Sulzer	Sulzer	Sulzer
Rated Capacity (gallons per minute):	1965	1965	1965	1965
Discharge Head (in feet):	150	120	150	
Revolutions or Strokes Per Minute:	1,195	1,195	1,195	1,195
Number of Stages:				
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:	4,069	4,620	4,065	4,613
<i>Power Equipment</i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	TEFC	TEFC	TEFC	TEFC
Manufacturer	US Motor	US Motor	US Motor	US Motor
Rated Horsepower	100	100	100	100
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer	FG Wilson	FG Wilson	FG Wilson	FG Wilson
Motive Power (steam, gas or oil, hydraulic)	Diesel	Diesel	Diesel	Diesel
Connection (belt, gear or direct)	Direct	Direct	Direct	Direct
Rated Capacity (in kilowatt-amperes)	350	350	350	350
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT  
JEFFERSON CITY OPERATIONS**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<u>Pumping Equipment</u>				
Identification number or description of well or other source of supply to which pump is connected:				
Identification number, description, etc of each pump:	HS#1	HS#2	HS#3	HS#4
Type (displacement, centrifugal, air life, turbine, etc.):	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Purpose of pump (low lift, distribution, etc.):	Distribution	Distribution	Distribution	Distribution
Manufacturer:	Patterson pump	Patterson pump	Patterson pump	Patterson pump
Rated Capacity (gallons per minute):	1,736	1,736	1,736	1,736
Discharge Head (in feet):	225	225	225	225
Revolutions or Strokes Per Minute:	1,790	1,790	1,790	1,790
Number of Stages:				
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:	2,500	2,555	5,828	1,544
<u>Power Equipment</u>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	TKKH	TKKH	TKKH	TKKH
Manufacturer	Toshiba	Toshiba	Toshiba	Toshiba
Rated Horsepower	150	150	150	150
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT  
JEFFERSON CITY OPERATIONS**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<u>Pumping Equipment</u>				
Identification number or description of well or other source of supply to which pump is connected:				
Identification number, description, etc of each pump:	Schellridge # 1	Schellridge # 2	Schellridge # 3	Southwest Bst # 1
Type (displacement, centrifugal, air life, turbine, etc.):	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Purpose of pump (low lift, distribution, etc.):	Distribution	Distribution	Distribution	Distribution
Manufacturer:	Peerless	Peerless	Peerless	Cornell
Rated Capacity (gallons per minute):	300	300	300	900
Discharge Head (in feet):	60	60	60	225
Revolutions or Strokes Per Minute:	1,750	1,750	1,750	1,775
Number of Stages:				
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:	501	637	1064	2105
<u>Power Equipment</u>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	K	K	K	TC
Manufacturer	GE	GE	GE	Baldor
Rated Horsepower	7.5	7.5	7.5	75
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT  
JEFFERSON CITY OPERATIONS**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<u>Pumping Equipment</u>				
Identification number or description of well or other source of supply to which pump is connected:				
Identification number, description, etc of each pump:	Southwest Bst # 2	Southwest Bst # 3	Ellis Bst # 1	Ellis Bst # 2
Type (displacement, centrifugal, air life, turbine, etc.):	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Purpose of pump (low lift, distribution, etc.):	Distribution	Distribution	Distribution	Distribution
Manufacturer:	Cornell	Cornell	Berkley	Berkley
Rated Capacity (gallons per minute):	900	900	600	600
Discharge Head (in feet):	225	225	150	150
Revolutions or Strokes Per Minute:	1,775	1,775	1,800	1,800
Number of Stages:				
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:	5715	3011	4653	4712
<u>Power Equipment</u>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	TC	TC	TC	TC
Manufacturer	Baldor	Baldor	Baldor	Baldor
Rated Horsepower	75	75	40	40
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT  
JEFFERSON CITY OPERATIONS**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<u>Pumping Equipment</u>				
Identification number or description of well or other source of supply to which pump is connected:				
Identification number, description, etc of each pump:	Bald Hill Bst # 1	Bald Hill Bst # 2		
Type (displacement, centrifugal, air life, turbine, etc.):	Centrifugal	Centrifugal		
Purpose of pump (low lift, distribution, etc.):	Distribution	Distribution		
Manufacturer:	G&L pumps	Goulds		
Rated Capacity (gallons per minute):	300	500		
Discharge Head (in feet):	120	150		
Revolutions or Strokes Per Minute:	1,755	1,775		
Number of Stages:				
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:	1,557	2,706		
<u>Power Equipment</u>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	TC	OPD		
Manufacturer	AC	Unknown		
Rated Horsepower	40	20		
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Joplin Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Clearwell 2	Clearwell 2	Clearwell 2	Clearwell 2
Identification number, description, etc of each pump:	#12 HS Pump	#11 HS Pump	#9 HS Pump	#8 HS
Type (displacement, centrifugal, air life, turbine, etc.):	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Purpose of pump (low lift, distribution, etc.):	High Service	High Service	High Service	High Service
Manufacturer:	Peerless	Peerless	Aurora	Gould
Rated Capacity (gallons per minute):	6,250 gpm	2,800 gpm	3,200 gpm	4,200 gpm
Discharge Head (in feet):	110 feet	110 feet	150 feet	150 feet
Revolutions or Strokes Per Minute:	1,770 rpm	1,780 rpm	1,800 rpm	1,780 rpm
Number of Stages:	1 stage	1 stage	1 stage	1 stage
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	Direct
Number of Hours Operated During Year:	7,890	4,691	3,063	1,296
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric motor	Electric motor	Electric motor	Electric motor
Manufacturer	Toshiba	GE	US Motors	Westinghouse
Rated Horsepower	250 hp	100 hp	125 hp	200 hp
Boiler Data:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Type (water tube, tube vertical, tube horizontal)	NA	NA	NA	NA
Rated Horsepower	NA	NA	NA	NA
Electric Generators:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Motive Power (steam, gas or oil, hydraulic)	NA	NA	NA	NA
Connection (belt, gear or direct)	NA	NA	NA	NA
Rated Capacity (in kilowatt-amperes)	NA	NA	NA	NA
Air Compressors:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Bore or Stroke	NA	NA	NA	NA
Size or Air Discharge Head	NA	NA	NA	NA
Submergence of Air Lift Head (in feet when not pumping)	NA	NA	NA	NA
Estimated Average Draw-Down During Operation	NA	NA	NA	NA
Pounds of Pressure Required to Blow Well	NA	NA	NA	NA
Pounds of Pressure Required After Air Lift Begins Operating	NA	NA	NA	NA

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022



**PUMPING STATION EQUIPMENT**

**Joplin Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Company Name **Missouri-American Water Company**

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Cleawell 2	Shoal Creek	Shoal Creek	Shoal Creek
Identification number, description, etc of each pump:	#6 HS Pump	#1 Intake Pump	#2 Intake Pump	#3 Intake Pump
Type (displacement, centrifugal, air life, turbine, etc.):	Centrifugal	Turbine	Turbine	Turbine
Purpose of pump (low lift, distribution, etc.):	High Service	Low service	Low service	Low service
Manufacturer:	DeLaval	FlowServe	FlowServe	FlowServe
Rated Capacity (gallons per minute):	5,550 gpm	5,560 gpm	5,560 gpm	4,170 gpm
Discharge Head (in feet):	205 feet	252 feet	252 feet	250 feet
Revolutions or Strokes Per Minute:	1,169 rpm	1,780 rpm	1,780 rpm	1,780 rpm
Number of Stages:	1 stage	3 stage	3 stage	3 stage
Connection (belt, gear or direct, etc.):	Centrifugal clutch	Direct	Direct	Direct
Number of Hours Operated During Year:	207	1,476	3,164	5,685
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Natural gas engine	Electric motor	Electric motor	Electric motor
Manufacturer	Caterpillar	US	US	US
Rated Horsepower	365 hp	500 hp	500 hp	350 hp
Boiler Data:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Type (water tube, tube vertical, tube horizontal)	NA	NA	NA	NA
Rated Horsepower	NA	NA	NA	NA
Electric Generators:				
Identification Number or Description	NA	Shoal Creek	NA	Same as for #1 Intake Pump
Manufacturer	NA	Caterpillar	NA	Same as for #1 Intake Pump
Motive Power (steam, gas or oil, hydraulic)	NA	Diesel	NA	Same as for #1 Intake Pump
Connection (belt, gear or direct)	NA	Direct	NA	Same as for #1 Intake Pump
Rated Capacity (in kilowatt-amperes)	NA	Unknown	NA	Same as for #1 Intake Pump
Air Compressors:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Bore or Stroke	NA	NA	NA	NA
Size or Air Discharge Head	NA	NA	NA	NA
Submergence of Air Lift Head (in feet when not pumping)	NA	NA	NA	NA
Estimated Average Draw-Down During Operation	NA	NA	NA	NA
Pounds of Pressure Required to Blow Well	NA	NA	NA	NA
Pounds of Pressure Required After Air Lift Begins Operating	NA	NA	NA	NA

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Joplin Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Shoal Creek	Shoal Creek	Distribution System - Main Press. Zone	Distribution System - Main Press. Zone
Identification number, description, etc of each pump:	#5 Intake	#6 Intake	#1 Pump 15th St.	#2 Pump 15th St.
Type (displacement, centrifugal, air life, turbine, etc.):	Turbine	Turbine	Double Suction	Double Suction
Purpose of pump (low lift, distribution, etc.):	Low service	Low service	Distribution booster	Distribution booster
Manufacturer:	Hydroflo	Hydroflo	Aurora	Aurora
Rated Capacity (gallons per minute):	2,780 gpm	2,780 gpm	700 gpm	700 gpm
Discharge Head (in feet):	250 feet	250 feet	170 feet	170 feet
Revolutions or Strokes Per Minute:	1,780 rpm	1,780 rpm	1,800 rpm	1,800 rpm
Number of Stages:	4 stage	4 stage	1 stage	1 stage
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	Direct
Number of Hours Operated During Year:	6,148	7,000	3,678	4,531
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric motor	Electric motor	Electric motor	Electric motor
Manufacturer	US	US	US	US
Rated Horsepower	250 hp	250 hp	25 hp	25 hp
Boiler Data:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Type (water tube, tube vertical, tube horizontal)	NA	NA	NA	NA
Rated Horsepower	NA	NA	NA	NA
Electric Generators:				
Identification Number or Description	Same as for #1 Intake Pump	NA	NA	NA
Manufacturer	Same as for #1 Intake Pump	NA	NA	NA
Motive Power (steam, gas or oil, hydraulic)	Same as for #1 Intake Pump	NA	NA	NA
Connection (belt, gear or direct)	Same as for #1 Intake Pump	NA	NA	NA
Rated Capacity (in kilowatt-amperes)	Same as for #1 Intake Pump	NA	NA	NA
Air Compressors:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Bore or Stroke	NA	NA	NA	NA
Size or Air Discharge Head	NA	NA	NA	NA
Submergence of Air Lift Head (in feet when not pumping)	NA	NA	NA	NA
Estimated Average Draw-Down During Operation	NA	NA	NA	NA
Pounds of Pressure Required to Blow Well	NA	NA	NA	NA
Pounds of Pressure Required After Air Lift Begins Operating	NA	NA	NA	NA

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Joplin Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Company Name Missouri-American Water Company

Particulars (a)	(b)	(c)	(d)	(e)
<u>Pumping Equipment</u>				
Identification number or description of well or other source				
of supply to which pump is connected:	Distribution System - Main Press. Zone	Distribution System - Main Press. Zone	Distribution System - Main Press. Zone	32nd St. Tank
Identification number, description, etc of each pump:	#3 Pump 15th St.	#1 Pump 32nd St.	#2 Pump 32nd St.	#3 Pump 32nd St.
Type (displacement, centrifugal, air life, turbine, etc.):	Double Suction	End suction	End suction	End suction
Purpose of pump (low lift, distribution, etc.):	Distribution booster	Distribution booster	Distribution booster	Distribution booster
Manufacturer:	Aurora	Grundfos	Grundfos	Grundfos
Rated Capacity (gallons per minute):	700 gpm	950 gpm	950 gpm	1,500 gpm
Discharge Head (in feet):	170 feet	118 feet	118 feet	230 feet
Revolutions or Strokes Per Minute:	1,800 rpm	1,750 rpm	1,750 rpm	1,750 rpm
Number of Stages:	1 stage	1 stage	1 stage	1 stage
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	Direct
Number of Hours Operated During Year:	4,406	5,096	4,178	3,601
<u>Power Equipment</u>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric motor	Electric motor	Electric motor	Electric motor
Manufacturer	US	Baldor	Baldor	Baldor
Rated Horsepower	25 hp	40 hp	40 hp	100 hp
Boiler Data:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Type (water tube, tube vertical, tube horizontal)	NA	NA	NA	NA
Rated Horsepower	NA	NA	NA	NA
Electric Generators:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Motive Power (steam, gas or oil, hydraulic)	NA	NA	NA	NA
Connection (belt, gear or direct)	NA	NA	NA	NA
Rated Capacity (in kilowatt-amperes)	NA	NA	NA	NA
Air Compressors:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Bore or Stroke	NA	NA	NA	NA
Size or Air Discharge Head	NA	NA	NA	NA
Submergence of Air Lift Head (in feet when not pumping)	NA	NA	NA	NA
Estimated Average Draw-Down During Operation	NA	NA	NA	NA
Pounds of Pressure Required to Blow Well	NA	NA	NA	NA
Pounds of Pressure Required After Air Lift Begins Operating	NA	NA	NA	NA

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Joplin Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<u>Pumping Equipment</u>				
Identification number or description of well or other source of supply to which pump is connected:	32nd St. Tank	Hill St. Tank	Hill St. Tank	Distribution System - Main Press. Zone
Identification number, description, etc of each pump:	#4 Pump 32nd St.	#4 Pump Hill St.	#5 Pump Hill St.	#6 Pump Hill St.
Type (displacement, centrifugal, air life, turbine, etc.):	End suction	Split case centrifugal	Split case centrifugal	Split case centrifugal
Purpose of pump (low lift, distribution, etc.):	Distribution booster	Distribution booster	Distribution booster	Distribution booster
Manufacturer:	Grundfos	Patterson	Patterson	Patterson
Rated Capacity (gallons per minute):	1,500 gpm	788 gpm	788 gpm	788 gpm
Discharge Head (in feet):	230 feet	163 feet	163 feet	73 feet
Revolutions or Strokes Per Minute:	1,750 rpm	1,775 rpm	1,775 rpm	1,765 rpm
Number of Stages:	1 stage	1 stage	1 stage	1 stage
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	Direct
Number of Hours Operated During Year:	2,661	551	5,326	8,264
<u>Power Equipment</u>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric motor	Electric motor	Electric motor	Electric motor
Manufacturer	Baldor	Baldor	Baldor	Baldor
Rated Horsepower	100 hp	50 hp	50 hp	20 hp
Boiler Data:				
Identification Number or Description				
Manufacturer	NA	NA	NA	NA
Type (water tube, tube vertical, tube horizontal)	NA	NA	NA	NA
Rated Horsepower	NA	NA	NA	NA
Electric Generators:				
Identification Number or Description	32nd Street	Hill Street	Same as #4 Pump Hill St.	Same as #4 Pump Hill St.
Manufacturer	Caterpillar	Terex	Same as #4 Pump Hill St.	Same as #4 Pump Hill St.
Motive Power (steam, gas or oil, hydraulic)	Diesel	Diesel	Same as #4 Pump Hill St.	Same as #4 Pump Hill St.
Connection (belt, gear or direct)	Direct	Direct	Same as #4 Pump Hill St.	Same as #4 Pump Hill St.
Rated Capacity (in kilowatt-amperes)	250 kw	300 kw	Same as #4 Pump Hill St.	Same as #4 Pump Hill St.
Air Compressors:				
Identification Number or Description				
Manufacturer	NA	NA	NA	NA
Bore or Stroke	NA	NA	NA	NA
Size or Air Discharge Head	NA	NA	NA	NA
Submergence of Air Lift Head (in feet when not pumping)	NA	NA	NA	NA
Estimated Average Draw-Down During Operation	NA	NA	NA	NA
Pounds of Pressure Required to Blow Well	NA	NA	NA	NA
Pounds of Pressure Required After Air Lift Begins Operating	NA	NA	NA	NA

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Joplin Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<u>Pumping Equipment</u>				
Identification number or description of well or other source				
of supply to which pump is connected:	Distribution System - Main Press. Zone	Distribution System - Main Press. Zone	Distribution System - Main Press. Zone	Distribution System - Main Press. Zone
Identification number, description, etc of each pump:	#1 Pump Galena	#2 Pump Galena	#1 Pump Gateway	#2 Pump Gateway
Type (displacement, centrifugal, air life, turbine, etc.):	End suction	End suction	End suction	End suction
Purpose of pump (low lift, distribution, etc.):	Distribution booster	Distribution booster	Distribution booster	Distribution booster
Manufacturer:	Peerless	Peerless	Berkeley	Berkeley
Rated Capacity (gallons per minute):	400 gpm	400 gpm	550 gpm	550 gpm
Discharge Head (in feet):	35 feet	35 feet	150 feet	150 feet
Revolutions or Strokes Per Minute:	1,750 rpm	1,750 rpm	3,550 rpm	3,550 rpm
Number of Stages:	1 stage	1 stage	1 stage	1 stage
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	Direct
Number of Hours Operated During Year:	0	0	93	754
<u>Power Equipment</u>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric motor	Electric motor	Electric motor	Electric motor
Manufacturer	US	US	Baldor	Baldor
Rated Horsepower	7-1/2 hp	7-1/2 hp	30 hp	30 hp
Boiler Data:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Type (water tube, tube vertical, tube horizontal)	NA	NA	NA	NA
Rated Horsepower	NA	NA	NA	NA
Electric Generators:				
Identification Number or Description	NA	NA	Gateway Booster	Same as #1 Pump Gateway
Manufacturer	NA	NA	Cummins	Same as #1 Pump Gateway
Motive Power (steam, gas or oil, hydraulic)	NA	NA	Diesel	Same as #1 Pump Gateway
Connection (belt, gear or direct)	NA	NA	Direct	Same as #1 Pump Gateway
Rated Capacity (in kilowatt-amperes)	NA	NA	100 kw	Same as #1 Pump Gateway
Air Compressors:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Bore or Stroke	NA	NA	NA	NA
Size or Air Discharge Head	NA	NA	NA	NA
Submergence of Air Lift Head (in feet when not pumping)	NA	NA	NA	NA
Estimated Average Draw-Down During Operation	NA	NA	NA	NA
Pounds of Pressure Required to Blow Well	NA	NA	NA	NA
Pounds of Pressure Required After Air Lift Begins Operating	NA	NA	NA	NA

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Joplin Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	A-05144	A-13157	A-62273	A-89974
Identification number, description, etc of each pump:	#1 Well	#3 Well	#4 Well	#5 Well
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible	Submersible	Submersible	Submersible
Purpose of pump (low lift, distribution, etc.):	Deep Well	Deep Well	Deep Well	Deep Well
Manufacturer:	Crown	Grundfos	Grundfos	Grundfos
Rated Capacity (gallons per minute):	720 gpm	550 gpm	500 gpm	700 gpm
Discharge Head (in feet):	420 feet	800 feet	500 feet	672 feet
Revolutions or Strokes Per Minute:	3,525 rpm	3,525 rpm	3,525 rpm	1,800 rpm
Number of Stages:	4 stage	7 stage	5 stage	17 stage
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	Direct
Number of Hours Operated During Year:	0	2,157	2,154	2,276
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric motor	Electric motor	Electric motor	Electric motor
Manufacturer	Franklin	Franklin	Hitachi	Hitachi
Rated Horsepower	100 hp	150 hp	125 hp	125 hp
Boiler Data:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Type (water tube, tube vertical, tube horizontal)	NA	NA	NA	NA
Rated Horsepower	NA	NA	NA	NA
Electric Generators:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Motive Power (steam, gas or oil, hydraulic)	NA	NA	NA	NA
Connection (belt, gear or direct)	NA	NA	NA	NA
Rated Capacity (in kilowatt-amperes)	NA	NA	NA	NA
Air Compressors:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Bore or Stroke	NA	NA	NA	NA
Size or Air Discharge Head	NA	NA	NA	NA
Submergence of Air Lift Head (in feet when not pumping)	NA	NA	NA	NA
Estimated Average Draw-Down During Operation	NA	NA	NA	NA
Pounds of Pressure Required to Blow Well	NA	NA	NA	NA
Pounds of Pressure Required After Air Lift Begins Operating	NA	NA	NA	NA

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Joplin Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	A-109430	A-121711	A-121712	A-126427
Identification number, description, etc of each pump:	#6 Well	#7 Well	#8 Well	#9 Well
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible	Turbine	Submersible	Submersible
Purpose of pump (low lift, distribution, etc.):	Deep Well	Deep Well	Deep Well	Deep Well
Manufacturer:	Grundfos	Christensen	Grundfos	Grundfos
Rated Capacity (gallons per minute):	600 gpm	1050 gpm	650 gpm	1190 gpm
Discharge Head (in feet):	640 feet	553 feet	750 feet	630 feet
Revolutions or Strokes Per Minute:	3,525 rpm	1,780 rpm	3,525rpm	3525 rpm
Number of Stages:	9 stage	9 stage	15 stage	5 stage
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	Direct
Number of Hours Operated During Year:	2,241	1,824	2,003	1,469
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric motor	Electric motor	Electric motor	Electric motor
Manufacturer	Franklin	US	Hitachi	Franklin
Rated Horsepower	100 hp	200 hp	150 hp	200 hp
Boiler Data:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Type (water tube, tube vertical, tube horizontal)	NA	NA	NA	NA
Rated Horsepower	NA	NA	NA	NA
Electric Generators:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Motive Power (steam, gas or oil, hydraulic)	NA	NA	NA	NA
Connection (belt, gear or direct)	NA	NA	NA	NA
Rated Capacity (in kilowatt-amperes)	NA	NA	NA	NA
Air Compressors:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Bore or Stroke	NA	NA	NA	NA
Size or Air Discharge Head	NA	NA	NA	NA
Submergence of Air Lift Head (in feet when not pumping)	NA	NA	NA	NA
Estimated Average Draw-Down During Operation	NA	NA	NA	NA
Pounds of Pressure Required to Blow Well	NA	NA	NA	NA
Pounds of Pressure Required After Air Lift Begins Operating	NA	NA	NA	NA

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Joplin Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	A-128853	PWS WELL 17440	A-008472	A-008972
Identification number, description, etc of each pump:	#10 Well	#11 Well	#12 Well	#13 Well
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible	Submersible	Submersible	Submersible
Purpose of pump (low lift, distribution, etc.):	Deep Well	Deep Well	Deep Well	Deep Well
Manufacturer:	Grundfos	Grundfos	Grundfos	Crown
Rated Capacity (gallons per minute):	500 gpm	750 gpm	360 gpm	360 gpm
Discharge Head (in feet):	750 feet	756 feet	369 feet	unknown
Revolutions or Strokes Per Minute:	1,770 rpm	1,770 rpm	1,760 rpm	unknown
Number of Stages:	13 stage	16 stage	9 stage	unknown
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	Direct
Number of Hours Operated During Year:	2,233	3,310	0	0
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric motor	Electric motor	Electric motor	Electric motor
Manufacturer	Grundfos	Grundfos	unknown	unknown
Rated Horsepower	125 hp	150 hp	unknown	unknown
Boiler Data:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Type (water tube, tube vertical, tube horizontal)	NA	NA	NA	NA
Rated Horsepower	NA	NA	NA	NA
Electric Generators:				
Identification Number or Description	NA	NA	Well 12	NA
Manufacturer	NA	NA	Cummins	NA
Motive Power (steam, gas or oil, hydraulic)	NA	NA	Diesel	NA
Connection (belt, gear or direct)	NA	NA	Direct	NA
Rated Capacity (in kilowatt-amperes)	NA	NA	80 kw	NA
Air Compressors:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Bore or Stroke	NA	NA	NA	NA
Size or Air Discharge Head	NA	NA	NA	NA
Submergence of Air Lift Head (in feet when not pumping)	NA	NA	NA	NA
Estimated Average Draw-Down During Operation	NA	NA	NA	NA
Pounds of Pressure Required to Blow Well	NA	NA	NA	NA
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022



**PUMPING STATION EQUIPMENT**

**Joplin Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<u>Pumping Equipment</u>				
Identification number or description of well or other source				
of supply to which pump is connected:	Distribution System - Main Press. Zone	Distribution System - Main Press. Zone		
Identification number, description, etc of each pump:	#1 Deer/Dakota Station	#2 Deer/Dakota Station		
Type (displacement, centrifugal, air life, turbine, etc.):	Split Case Centrifugal	Split Case Centrifugal		
Purpose of pump (low lift, distribution, etc.):	Distribution Booster	Distribution Booster		
Manufacturer:	Aurora	Aurora		
Rated Capacity (gallons per minute):	350 gpm	350 gpm		
Discharge Head (in feet):	141 feet	141 feet		
Revolutions or Strokes Per Minute:	1,750 rpm	1,750 rpm		
Number of Stages:	1 stage	1 stage		
Connection (belt, gear or direct, etc.):	Direct	Direct		
Number of Hours Operated During Year:	3,548	3,456		
<u>Power Equipment</u>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric motor	Electric motor		
Manufacturer	US	US		
Rated Horsepower	25 hp	25 hp		
Boiler Data:				
Identification Number or Description	NA	NA		
Manufacturer	NA	NA		
Type (water tube, tube vertical, tube horizontal)	NA	NA		
Rated Horsepower	NA	NA		
Electric Generators:				
Identification Number or Description	NA	NA		
Manufacturer	NA	NA		
Motive Power (steam, gas or oil, hydraulic)	NA	NA		
Connection (belt, gear or direct)	NA	NA		
Rated Capacity (in kilowatt-amperes)	NA	NA		
Air Compressors:				
Identification Number or Description	NA	NA		
Manufacturer	NA	NA		
Bore or Stroke	NA	NA		
Size or Air Discharge Head	NA	NA		
Submergence of Air Lift Head (in feet when not pumping)	NA	NA		
Estimated Average Draw-Down During Operation	NA	NA		
Pounds of Pressure Required to Blow Well	NA	NA		
Pounds of Pressure Required After Air Lift Begins Operating	NA	NA		

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**  
**Lake Carmel Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:				
Identification number, description, etc of each pump:	Lake Carmel	Lake Carmel		
Type (displacement, centrifugal, air life, turbine, etc.):	Centrifugal	turbine		
Purpose of pump (low lift, distribution, etc.):	Booster Station	Well Pump		
Manufacturer:	Flowserve	Grundfos mod#62575BP		
Rated Capacity (gallons per minute):		60		
Discharge Head (in feet):	278	278'		
Revolutions or Strokes Per Minute:				
Number of Stages:				
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:	6,392	3,202		
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric	Electric		
Manufacturer	Baldor	Hitacha		
Rated Horsepower	5	7.5		
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT  
Tri County District - Lakewood Manor Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<p align="center"><u>Pumping Equipment</u></p> <p>Identification number or description of well or other source of supply to which pump is connected:</p> <p>Identification number, description, etc of each pump:</p> <p>Type (displacement, centrifugal, air life, turbine, etc.):</p> <p>Purpose of pump (low lift, distribution, etc.):</p> <p>Manufacturer:</p> <p>Rated Capacity (gallons per minute):</p> <p>Discharge Head (in feet):</p> <p>Revolutions or Strokes Per Minute:</p> <p>Number of Stages:</p> <p>Connection (belt, gear or direct, etc.):</p> <p>Number of Hours Operated During Year:</p> <p align="center"><u>Power Equipment</u></p> <p>Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):</p> <p>Type</p> <p>Manufacturer</p> <p>Rated Horsepower</p> <p>Boiler Data:</p> <p>Identification Number or Description</p> <p>Manufacturer</p> <p>Type (water tube, tube vertical, tube horizontal)</p> <p>Rated Horsepower</p> <p>Electric Generators:</p> <p>Identification Number or Description</p> <p>Manufacturer</p> <p>Motive Power (steam, gas or oil, hydraulic)</p> <p>Connection (belt, gear or direct)</p> <p>Rated Capacity (in kilowatt-amperes)</p> <p>Air Compressors:</p> <p>Identification Number or Description</p> <p>Manufacturer</p> <p>Bore or Stroke</p> <p>Size or Air Discharge Head</p> <p>Submergence of Air Lift Head (in feet when not pumping)</p> <p>Estimated Average Draw-Down During Operation</p> <p>Pounds of Pressure Required to Blow Well</p> <p>Pounds of Pressure Required After Air Lift Begins Operating</p>	<p>MO5036020</p> <p>Lakewood Manor</p> <p>Submersible</p> <p>Deep Well</p> <p></p> <p>70 gpm</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p>Electric Motor</p> <p>Franklin</p> <p>7.5 hp</p> <p></p> <p></p> <p></p> <p></p>	<p>MO5036020</p> <p>Lakewood #1 Booster</p> <p>Centrifugal</p> <p>High Service</p> <p>St-Rite</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p>5 hp</p> <p></p> <p></p> <p></p>	<p>MO5036020</p> <p>Lakewood #1 Booster</p> <p>Centrifugal</p> <p>High Service</p> <p>St-Rite</p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p></p> <p>5 hp</p> <p></p> <p></p> <p></p>	

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Lawson**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	EFI water pump station	EFI water pump station	EFI water pump station	
Identification number, description, etc of each pump:	G030603 mod. B3TPMS	G030603 mod. B3TPMS	(spare pump & motor used) 001A12T mod. B3TPMS	
Type (displacement, centrifugal, air life, turbine, etc.):				
Purpose of pump (low lift, distribution, etc.):	distribution	distribution	distribution	
Manufacturer:	Berkly	Berkly	Berkly	
Rated Capacity (gallons per minute):	400	400	400	
Discharge Head (in feet):	125	125	125	
Revolutions or Strokes Per Minute:	3,600	3,600	3,600	
Number of Stages:				
Connection (belt, gear or direct, etc.):	direct	direct	direct	
Number of Hours Operated During Year:				
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):	electric	electric	electric	
Type	TDR	TDR		
Manufacturer	Marathon	Marathon	Baldor	
Rated Horsepower	20	20	20	
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**  
**Tri County District - Lake Taneycomo Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	MO5036198	MO5036198		
Identification number, description, etc of each pump:	LTA #1	LTA #2		
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible	Submersible		
Purpose of pump (low lift, distribution, etc.):	Deep Well	Deep Well		
Manufacturer:	Grundfos	Grundfos		
Rated Capacity (gallons per minute):	60 gpm	62 gpm		
Discharge Head (in feet):				
Revolutions or Strokes Per Minute:				
Number of Stages:				
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:				
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric Motor	Electric Motor		
Manufacturer	Hitachi	Franklin		
Rated Horsepower	7.5	10		
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Maplewood**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	MO3036131	MO3036131		
Identification number, description, etc of each pump:	Maplewood #1	Maplewood #2		
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible	Submersible		
Purpose of pump (low lift, distribution, etc.):	Deep Well	Deep Well		
Manufacturer:		Grundfos		
Rated Capacity (gallons per minute):	65 gpm	245 gpm		
Discharge Head (in feet):		378'		
Revolutions or Strokes Per Minute:		3,450 rpm		
Number of Stages:		3		
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:	0	2,683		
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Engine	Engine		
Manufacturer	Red Jacket	Hitachi		
Rated Horsepower	7.5 hp	30 hp		
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description	80REOZJF			
Manufacturer	Kohler			
Motive Power (steam, gas or oil, hydraulic)	Direct			
Connection (belt, gear or direct)	Phase 480 125 Amps 83 KW			
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Mexico Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Well #2	Well #3	Well #4	Well #5
Identification number, description, etc of each pump:	2673341	2474349	2584584	3522389
Type (displacement, centrifugal, air life, turbine, etc.):	Turbine	Turbine	Turbine	Turbine
Purpose of pump (low lift, distribution, etc.):	Plant supply	Plant supply	Plant supply	Plant supply
Manufacturer:	Goulds	Grundfos	Christensen/Layne	Gould
Rated Capacity (gallons per minute):	735	280	615	950
Discharge Head (in feet):	522	621	587	501
Revolutions or Strokes Per Minute:	1785	3450	1780	1780
Number of Stages:	10	17	14	8
Connection (belt, gear or direct, etc.):	Direct	Direct/Submersible	Direct	Direct
Number of Hours Operated During Year:	4,052	3,538	1,518	3,610
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):	Well #2	Well #3	Well #4	Well #5
Type	Electric Motor	Electric Motor	Electric Motor	Electric Motor
Manufacturer	US Electric	Hitachi	US Electric	US Electric
Rated Horsepower	125	60	125	150
Boiler Data:	N/A	N/A	N/A	N/A
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:	N/A	N/A	N/A	N/A
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:	Well #2	Well #3	Well #4	Well #5
Identification Number or Description	Craftsman	Craftsman	Craftsman	Craftsman
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head	1.8 HP	1.8 HP	1.8 HP	1.7 HP
Submergence of Air Lift Head (in feet when not pumping)	550	665	600	540
Estimated Average Draw-Down During Operation	40	90	70	30
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Mexico Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<u>Pumping Equipment</u>				
Identification number or description of well or other source of supply to which pump is connected:	Well #6	Well #7	High Service #1	High Service #3
Identification number, description, etc of each pump:	2979937	3218347		19-2570083
Type (displacement, centrifugal, air life, turbine, etc.):	Turbine	Turbine	Centrifugal	Centrifugal
Purpose of pump (low lift, distribution, etc.):	Plant supply	Plant supply	Distribution	Distribution
Manufacturer:	Christensen/Layne	Goulds	Patterson	Pentair-Aurora
Rated Capacity (gallons per minute):	1040	1030	1090	1700
Discharge Head (in feet):	573	570	190	182
Revolutions or Strokes Per Minute:	1780	1780	3560	1800
Number of Stages:	9	10	1	1
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	Direct
Number of Hours Operated During Year:	1,196	962	1,114	597
<u>Power Equipment</u>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):	Well #6	Well #7	High Service #1	High Service #3
Type	Electric Motor	Electric Motor	Electric Motor	Electric Motor
Manufacturer	US Electric	US Electric	Baldor	WEG
Rated Horsepower	200	200	75	125
Boiler Data:	N/A	N/A	N/A	N/A
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:	N/A	Well #7	Plant	Plant
Identification Number or Description				
Manufacturer	Cummins	Baldor	Cummins	Cummins
Motive Power (steam, gas or oil, hydraulic)	Natural Gas	Diesel	Diesel	Diesel
Connection (belt, gear or direct)	Direct	Direct	Direct	Direct
Rated Capacity (in kilowatt-amperes)	350 kW	250 kW	450 kW	450 KW
Air Compressors:	Well #6	Well #7		
Identification Number or Description	Craftsman	Craftsman		
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head	1.8 HP	1.8 HP		
Submergence of Air Lift Head (in feet when not pumping)	550	610		
Estimated Average Draw-Down During Operation	30	50		
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022



**PUMPING STATION EQUIPMENT**

**Mexico Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	High Service #5	High Service #6	Highway 54 Booster #1	Highway 54 Booster #2
Identification number, description, etc of each pump:				
Type (displacement, centrifugal, air life, turbine, etc.):	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Purpose of pump (low lift, distribution, etc.):	Distribution	Distribution	Distribution	Distribution
Manufacturer:	Aurora	Aurora	Cornell	Cornell
Rated Capacity (gallons per minute):	975	1700	800	800
Discharge Head (in feet):	185	185	175	175
Revolutions or Strokes Per Minute:	1775	1750	1775	1775
Number of Stages:	1	1	1	1
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	Direct
Number of Hours Operated During Year:	3,740	4,713	4,813	3,915
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):	High Service #5	High Service #6	Highway 54 Booster #1	Highway 54 Booster #2
Type	Electric Motor	Electric Motor	Electric Motor	Electric Motor
Manufacturer	WEG Electric Corp.	Toshiba	Baldor	Baldor
Rated Horsepower	75	100	60	60
Boiler Data:	N/A	N/A	N/A	N/A
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:	Plant	Plant	N/A	N/A
Identification Number or Description				
Manufacturer	Cummins	Cummins		
Motive Power (steam, gas or oil, hydraulic)	Diesel	Diesel		
Connection (belt, gear or direct)	Direct	Direct		
Rated Capacity (in kilowatt-amperes)	450 KW	450 KW		
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Mexico Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<p align="center"><u>Pumping Equipment</u></p> <p>Identification number or description of well or other source of supply to which pump is connected:</p> <p>Identification number, description, etc of each pump:</p> <p>Type (displacement, centrifugal, air life, turbine, etc.):</p> <p>Purpose of pump (low lift, distribution, etc.):</p> <p>Manufacturer:</p> <p>Rated Capacity (gallons per minute):</p> <p>Discharge Head (in feet):</p> <p>Revolutions or Strokes Per Minute:</p> <p>Number of Stages:</p> <p>Connection (belt, gear or direct, etc.):</p> <p>Number of Hours Operated During Year:</p> <p align="center"><u>Power Equipment</u></p> <p>Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):</p> <p>    Type</p> <p>    Manufacturer</p> <p>    Rated Horsepower</p> <p>Boiler Data:</p> <p>    Identification Number or Description</p> <p>    Manufacturer</p> <p>    Type (water tube, tube vertical, tube horizontal)</p> <p>    Rated Horsepower</p> <p>Electric Generators:</p> <p>    Identification Number or Description</p> <p>    Manufacturer</p> <p>    Motive Power (steam, gas or oil, hydraulic)</p> <p>    Connection (belt, gear or direct)</p> <p>    Rated Capacity (in kilowatt-amperes)</p> <p>Air Compressors:</p> <p>    Identification Number or Description</p> <p>    Manufacturer</p> <p>    Bore or Stroke</p> <p>    Size or Air Discharge Head</p> <p>    Submergence of Air Lift Head (in feet when not pumping)</p> <p>    Estimated Average Draw-Down During Operation</p> <p>    Pounds of Pressure Required to Blow Well</p> <p>    Pounds of Pressure Required After Air Lift Begins Operating</p>	<p>Backwash Pump</p> <p>Turbine</p> <p>Filter backwash</p> <p>Ingersoll- Dresser</p> <p>5400</p> <p>41</p> <p>1180</p> <p>1</p> <p>Direct</p> <p>70</p> <p>Backwash Pump</p> <p>Electric motor</p> <p>Allis Chalmers</p> <p>100</p> <p>N/A</p> <p>Plant</p> <p>Cummins</p> <p>Diesel</p> <p>Direct</p> <p>450 kW</p>			

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Monsees Lake Estates**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<u>Pumping Equipment</u>				
Identification number or description of well or other source of supply to which pump is connected:	Well 1	well 2		
Identification number, description, etc of each pump:	M50432	submersible 5 HP pump		
Type (displacement, centrifugal, air life, turbine, etc.):	turbine	turbine		
Purpose of pump (low lift, distribution, etc.):	well pump	well pump		
Manufacturer:	Goulds	Unknown		
Rated Capacity (gallons per minute):	50 GPM	50 GPM		
Discharge Head (in feet):	150 psi	150 psi		
Revolutions or Strokes Per Minute:				
Number of Stages:	unknown	unknown		
Connection (belt, gear or direct, etc.):	Direct	Direct		
Number of Hours Operated During Year:				
<u>Power Equipment</u>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type				
Manufacturer				
Rated Horsepower				
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description	Hydro Tank compressor			
Manufacturer	5KH33GNB130x			
Bore or Stroke	Marathon			
Size or Air Discharge Head	1/6 HP			
Submergence of Air Lift Head (in feet when not pumping)	N/A			
Estimated Average Draw-Down During Operation	N/A			
Pounds of Pressure Required to Blow Well	N/A			
Pounds of Pressure Required After Air Lift Begins Operating	N/A			

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Orrick Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<p align="center"><u>Pumping Equipment</u></p> <p>Identification number or description of well or other source of supply to which pump is connected:</p> <p>Identification number, description, etc of each pump:</p> <p>Type (displacement, centrifugal, air life, turbine, etc.):</p> <p>Purpose of pump (low lift, distribution, etc.):</p> <p>Manufacturer:</p> <p>Rated Capacity (gallons per minute):</p> <p>Discharge Head (in feet):</p> <p>Revolutions or Strokes Per Minute:</p> <p>Number of Stages:</p> <p>Connection (belt, gear or direct, etc.):</p> <p>Number of Hours Operated During Year:</p> <p align="center"><u>Power Equipment</u></p> <p>Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):</p> <p>    Type</p> <p>    Manufacturer</p> <p>    Rated Horsepower</p> <p>Boiler Data:</p> <p>    Identification Number or Description</p> <p>    Manufacturer</p> <p>    Type (water tube, tube vertical, tube horizontal)</p> <p>    Rated Horsepower</p> <p>Electric Generators:</p> <p>    Identification Number or Description</p> <p>    Manufacturer</p> <p>    Motive Power (steam, gas or oil, hydraulic)</p> <p>    Connection (belt, gear or direct)</p> <p>    Rated Capacity (in kilowatt-amperes)</p> <p>Air Compressors:</p> <p>    Identification Number or Description</p> <p>    Manufacturer</p> <p>    Bore or Stroke</p> <p>    Size or Air Discharge Head</p> <p>    Submergence of Air Lift Head (in feet when not pumping)</p> <p>    Estimated Average Draw-Down During Operation</p> <p>    Pounds of Pressure Required to Blow Well</p> <p>    Pounds of Pressure Required After Air Lift Begins Operating</p>	N/A no pumps			

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**  
**Tri County District - Ozark Mountain #1 Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<p align="center"><u>Pumping Equipment</u></p> <p>Identification number or description of well or other source of supply to which pump is connected:</p> <p>Identification number, description, etc of each pump:</p> <p>Type (displacement, centrifugal, air life, turbine, etc.):</p> <p>Purpose of pump (low lift, distribution, etc.):</p> <p>Manufacturer:</p> <p>Rated Capacity (gallons per minute):</p> <p>Discharge Head (in feet):</p> <p>Revolutions or Strokes Per Minute:</p> <p>Number of Stages:</p> <p>Connection (belt, gear or direct, etc.):</p> <p>Number of Hours Operated During Year:</p> <p align="center"><u>Power Equipment</u></p> <p>Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):</p> <p>Type</p> <p>Manufacturer</p> <p>Rated Horsepower</p> <p>Boiler Data:</p> <p>Identification Number or Description</p> <p>Manufacturer</p> <p>Type (water tube, tube vertical, tube horizontal)</p> <p>Rated Horsepower</p> <p>Electric Generators:</p> <p>Identification Number or Description</p> <p>Manufacturer</p> <p>Motive Power (steam, gas or oil, hydraulic)</p> <p>Connection (belt, gear or direct)</p> <p>Rated Capacity (in kilowatt-amperes)</p> <p>Air Compressors:</p> <p>Identification Number or Description</p> <p>Manufacturer</p> <p>Bore or Stroke</p> <p>Size or Air Discharge Head</p> <p>Submergence of Air Lift Head (in feet when not pumping)</p> <p>Estimated Average Draw-Down During Operation</p> <p>Pounds of Pressure Required to Blow Well</p> <p>Pounds of Pressure Required After Air Lift Begins Operating</p>	<p>MO5036177</p> <p>Ozark Mtn #1</p> <p>Submersible</p> <p>Deep Well</p> <p>150 gpm</p> <p>Electric Motor</p> <p>Franklin</p> <p>30 hp</p>	<p>MO5036177</p> <p>Ozark Mtn #1 Booster</p> <p>Centrifugal</p> <p>High Service</p>	<p>MO5036177</p> <p>Ozark Mtn #1 Booster</p> <p>Centrifugal</p> <p>High Service</p>	

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**  
**Tri County District - Ozark Mountain #2 and #3 Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<u>Pumping Equipment</u>				
Identification number or description of well or other source of supply to which pump is connected:	MO5036163	MO5036163	MO5036162	
Identification number, description, etc of each pump:	Ozark Mtn #2	Ozark Mtn #2 Backup	Ozark Mtn #3	
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible	Submersible	Submersible	
Purpose of pump (low lift, distribution, etc.):	Deep Well	Deep Well	Deep Well	
Manufacturer:	Gundfos		Gundfos	
Rated Capacity (gallons per minute):			40 gpm	
Discharge Head (in feet):				
Revolutions or Strokes Per Minute:	3,450 rpm			
Number of Stages:	12 Stage			
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:			344	
<u>Power Equipment</u>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type			Electric Motor	
Manufacturer			Franklin	
Rated Horsepower				
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<p align="center"><u>Pumping Equipment</u></p> <p>Identification number or description of well or other source of supply to which pump is connected:</p> <p>Identification number, description, etc of each pump:</p> <p>Type (displacement, centrifugal, air life, turbine, etc.):</p> <p>Purpose of pump (low lift, distribution, etc.):</p> <p>Manufacturer:</p> <p>Rated Capacity (gallons per minute):</p> <p>Discharge Head (in feet):</p> <p>Revolutions or Strokes Per Minute:</p> <p>Number of Stages:</p> <p>Connection (belt, gear or direct, etc.):</p> <p>Number of Hours Operated During Year:</p> <p align="center"><u>Power Equipment</u></p> <p>Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):</p> <p>Type</p> <p>Manufacturer</p> <p>Rated Horsepower</p> <p>Boiler Data:</p> <p>Identification Number or Description</p> <p>Manufacturer</p> <p>Type (water tube, tube vertical, tube horizontal)</p> <p>Rated Horsepower</p> <p>Electric Generators:</p> <p>Identification Number or Description</p> <p>Manufacturer</p> <p>Motive Power (steam, gas or oil, hydraulic)</p> <p>Connection (belt, gear or direct)</p> <p>Rated Capacity (in kilowatt-amperes)</p> <p>Air Compressors:</p> <p>Identification Number or Description</p> <p>Manufacturer</p> <p>Bore or Stroke</p> <p>Size or Air Discharge Head</p> <p>Submergence of Air Lift Head (in feet when not pumping)</p> <p>Estimated Average Draw-Down During Operation</p> <p>Pounds of Pressure Required to Blow Well</p> <p>Pounds of Pressure Required After Air Lift Begins Operating</p>	<p>See Pg W-17 Attachment</p>			

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**MISSOURI-AMERICAN WATER COMPANY**  
**For the calendar year of January 1 - December 31, 2022**  
**PUMPING STATION EQUIPMENT**

CENTRIFUGAL PUMPS	MAKE	CAPACITY GPM	FEET HEAD	RPM	NO. STAGES	CONNECTION	SOURCE OF SUPPLY	DRIVEN BY	PURPOSE OF PUMP	HOURS
TURBINE PUMPS	GOULDS	2,205	30	1,725	3	DIRECT	WELL #8	125 HP VERTICAL ELECTRIC MOTOR	Source Water Pump	0
TURBINE PUMPS	LAYNE-BOWLER	1,111	30	1,750	2	DIRECT	WELL #4	40 HP VERTICAL ELECTRIC MOTOR	Source Water Pump	7,003
TURBINE PUMPS	GOULDS	2,100	60	1,750	4	DIRECT	WELL #7	150 HP VERTICAL ELECTRIC MOTOR	Source Water Pump	102
TURBINE PUMPS	LAYNE-BOWLER	1,950	30	1,750	2	DIRECT	WELL #6	60 HP VERTICAL ELECTRIC MOTOR	Source Water Pump	8,676
High Service #1	CHRISTENSEN	1,530	481	1,780	4	DIRECT	Clearwell	150 HP VERTICAL ELECTRIC MOTOR	Plant Effluent Pump	0
High Service #2	CHRISTENSEN	1,010	481	1,780	4	DIRECT	Clearwell	100 HP VERTICAL ELECTRIC MOTOR	Plant Effluent Pump	7,246
High Service #3	CHRISTENSEN	1,490	481	1,780	4	DIRECT	Clearwell	150 HP VERTICAL ELECTRIC MOTOR	Plant Effluent Pump	8,351
Bell Road #1	GOULDS	1,250	180	VARIABLE	1	DIRECT	Distribution	75 HP HORIZONTAL ELECTRIC MOTOR	Distribution Booster Pump	126
Bell Road #2	GOULDS	1,250	180	VARIABLE	1	DIRECT	Distribution	75 HP HORIZONTAL ELECTRIC MOTOR	Distribution Booster Pump	461
Park University #1	GOULDS	750	235	VARIABLE	1	DIRECT	Distribution	75 HP HORIZONTAL ELECTRIC MOTOR	Distribution Booster Pump	4,470
Park University #2	GOULDS	750	235	VARIABLE	1	DIRECT	Distribution	75 HP HORIZONTAL ELECTRIC MOTOR	Distribution Booster Pump	4,466
Park University #3	GOULDS	1,500	280	VARIABLE	1	DIRECT	Distribution	125 HP HORIZONTAL ELECTRIC MOTOR	Distribution Booster Pump	0
Riss Lake #1	LAYNE BOWLER	750	251	3,600	1	DIRECT	Distribution	50 HP VERTICAL ELECTRIC MOTOR	Distribution Booster Pump	1,213
Riss Lake #2	LAYNE BOWLER	750	251	3,600	1	DIRECT	Distribution	50 HP VERTICAL ELECTRIC MOTOR	Distribution Booster Pump	75
Thousand Oaks #1	CORNELL	1,440	225	VARIABLE	1	DIRECT	Distribution	125 HP HORIZONTAL ELECTRIC MOTOR	Distribution Booster Pump	142
Thousand Oaks #2	CORNELL	1,440	225	VARIABLE	1	DIRECT	Distribution	125 HP HORIZONTAL ELECTRIC MOTOR	Distribution Booster Pump	521
Thousand Oaks #3	CORNELL	1,440	225	VARIABLE	1	DIRECT	Distribution	125 HP HORIZONTAL ELECTRIC MOTOR	Distribution Booster Pump	0
North Congress #1	GOULDS	75	75	1,750	1	DIRECT	Distribution	25 HP HORIZONTAL ELECTRIC MOTOR	(Kansas City Interconnection) Distribution Booster Pump	0
North Congress #2	GOULDS	125	95	VARIABLE	1	DIRECT	Distribution	50 HP HORIZONTAL ELECTRIC MOTOR	(Kansas City Interconnection)	0



**PUMPING STATION EQUIPMENT**

**Pevely Farms**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Low Lift Pump 1	Low Lift Pump 2	High Service Pump 1	High Service Pump 2
Identification number, description, etc of each pump:	7.5 hp	7.5 hp	75 hp	75 hp
Type (displacement, centrifugal, air life, turbine, etc.):	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Purpose of pump (low lift, distribution, etc.):	Low Lift	Low Lift	High Service	High Service
Manufacturer:	Pentair Aurora	Pentair Aurora	Pentair Aurora	Pentair Aurora
Rated Capacity (gallons per minute):	450 gpm	450 gpm	450 gpm	450 gpm
Discharge Head (in feet):	38 ft	38 ft	371 ft	371 ft
Revolutions or Strokes Per Minute:	1,800 rpm	1,800 rpm	3,600 rpm	3,600 rpm
Number of Stages:	1	1	1	1
Connection (belt, gear or direct, etc.):	direct	direct	direct	direct
Number of Hours Operated During Year:	588	588	588	588
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):	N/A			
Type				
Manufacturer				
Rated Horsepower				
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Pom-O-Sa Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<u>Pumping Equipment</u>				
Identification number or description of well or other source of supply to which pump is connected:				
Identification number, description, etc of each pump:	Booster Pump	Well #1 Pump	Well #2 Pump	
Type (displacement, centrifugal, air life, turbine, etc.):	centrifugal	centrifugal	centrifugal	
Purpose of pump (low lift, distribution, etc.):	distribution pump	well pump	well pump	
Manufacturer:	Goulds			
Rated Capacity (gallons per minute):				
Discharge Head (in feet):				
Revolutions or Strokes Per Minute:				
Number of Stages:	1	unknown	unknown	
Connection (belt, gear or direct, etc.):	direct	direct	direct	
Number of Hours Operated During Year:	Approx 365	Approx 730	0	
<u>Power Equipment</u>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric	Electric	Electric	
Manufacturer	Baldor	Unknown	Unknown	
Rated Horsepower	7.5 HP	Unknown	Unknown	
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Purcell Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Company Name **Missouri-American Water Company**

For the calendar year of January 1 - December 31, **2022**

Particulars (a)	(b)	(c)	(d)	(e)
<p align="center"><u>Pumping Equipment</u></p> <p>Identification number or description of well or other source of supply to which pump is connected:</p> <p>Identification number, description, etc of each pump:</p> <p>Type (displacement, centrifugal, air life, turbine, etc.):</p> <p>Purpose of pump (low lift, distribution, etc.):</p> <p>Manufacturer:</p> <p>Rated Capacity (gallons per minute):</p> <p>Discharge Head (in feet):</p> <p>Revolutions or Strokes Per Minute:</p> <p>Number of Stages:</p> <p>Connection (belt, gear or direct, etc.):</p> <p>Number of Hours Operated During Year:</p> <p align="center"><u>Power Equipment</u></p> <p>Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):</p> <p>    Type</p> <p>    Manufacturer</p> <p>    Rated Horsepower</p> <p>Boiler Data:</p> <p>    Identification Number or Description</p> <p>    Manufacturer</p> <p>    Type (water tube, tube vertical, tube horizontal)</p> <p>    Rated Horsepower</p> <p>Electric Generators:</p> <p>    Identification Number or Description</p> <p>    Manufacturer</p> <p>    Motive Power (steam, gas or oil, hydraulic)</p> <p>    Connection (belt, gear or direct)</p> <p>    Rated Capacity (in kilowatt-amperes)</p> <p>Air Compressors:</p> <p>    Identification Number or Description</p> <p>    Manufacturer</p> <p>    Bore or Stroke</p> <p>    Size or Air Discharge Head</p> <p>    Submergence of Air Lift Head (in feet when not pumping)</p> <p>    Estimated Average Draw-Down During Operation</p> <p>    Pounds of Pressure Required to Blow Well</p> <p>    Pounds of Pressure Required After Air Lift Begins Operating</p>	<p>Well #2 Alba/Purcell Well</p> <p>Well #2 ID# for Well RAW = WL 13009 ID# for Well Treatment = TP 13009 Submersible Pump Active Submersible To pull water from acquifer so it can be treated and sent to the customers of Purcell</p> <p>500</p> <p>60</p> <p>DIRECT</p> <p>Electric Submersible</p> <p>NA NA NA NA</p> <p>NA NA NA NA NA</p> <p>NA NA NA NA NA</p> <p>NA NA NA NA NA NA NA</p>	<p>Well #3 Park Well</p> <p>Well #3 ID# for Well RAW = WL 16762 ID# for Well Treatment = TP 16762 Vertical Turbine Pump Inactive Vertical Turbine To pull water from acquifer so it can be treated and sent to the customers of Purcell</p> <p>400</p> <p>10</p> <p>DIRECT</p> <p>Electric Vertical Turbine</p> <p>NA NA NA NA</p> <p>NA NA NA NA NA</p> <p>NA NA NA NA NA</p> <p>NA NA NA NA NA NA NA</p>		

**PUMPING STATION EQUIPMENT**  
**Tri County District -Rankin Acres & Spring Valley Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	MO5036147	MO5036248	MO5036248	
Identification number, description, etc of each pump:	Rankin Acres	Spring Valley Booster #1	Spring Valley Booster #2	
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible	Centrifugal	Centrifugal	
Purpose of pump (low lift, distribution, etc.):	Deep Well	Distribution	Distribution	
Manufacturer:	Grundfos	Goulds Pumps Inc.	Goulds Pumps Inc.	
Rated Capacity (gallons per minute):	74 gpm	-	-	
Discharge Head (in feet):	-	-	-	
Revolutions or Strokes Per Minute:	3,450 rpm	3,450 rpm	3,450 rpm	
Number of Stages:		1 stage	1 stage	
Connection (belt, gear or direct, etc.):		Direct	Direct	
Number of Hours Operated During Year:		-	-	
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric Motor	Electric Motor	Electric Motor	
Manufacturer	Franklin	Franklin Electric	Franklin Electric	
Rated Horsepower	15 hp	2hp	2 hp	
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Redfield Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Redfield Well			
Identification number, description, etc of each pump:	001			
Type (displacement, centrifugal, air life, turbine, etc.):	Turbine			
Purpose of pump (low lift, distribution, etc.):	Distribution			
Manufacturer:	Na			
Rated Capacity (gallons per minute):	300			
Discharge Head (in feet):	104			
Revolutions or Strokes Per Minute:	Na			
Number of Stages:	NA			
Connection (belt, gear or direct, etc.):	Direct			
Number of Hours Operated During Year:	173			
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type				
Manufacturer				
Rated Horsepower				
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**  
**Tri County District - Riverside Estates Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	MO5036210		MO5036210	MO5036210
Identification number, description, etc of each pump:	Riverside Estates #2		Riverside #1 Booster	Riverside #2 Booster
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible			
Purpose of pump (low lift, distribution, etc.):	Deep Well		Distribution booster	Distribution booster
Manufacturer:	Grundfos		St-Rite	St-Rite
Rated Capacity (gallons per minute):	300 gpm		18 gpm	18 gpm
Discharge Head (in feet):	462 ft		120 feet	120 feet
Revolutions or Strokes Per Minute:	3,450 rpm			
Number of Stages:	10 stage			
Connection (belt, gear or direct, etc.):	Direct			
Number of Hours Operated During Year:				
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric Motor			
Manufacturer	Franklin			
Rated Horsepower	40 hp		1.5 hp	1.5 hp
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Rogue Creek**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Deep-well pump			
Identification number, description, etc of each pump:	Submersible pump			
Type (displacement, centrifugal, air life, turbine, etc.):	turbine			
Purpose of pump (low lift, distribution, etc.):	groundwater supply			
Manufacturer:				
Rated Capacity (gallons per minute):	25			
Discharge Head (in feet):				
Revolutions or Strokes Per Minute:				
Number of Stages:				
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:				
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type				
Manufacturer				
Rated Horsepower				
Boiler Data:	N/A			
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:	N/A			
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:	N/A			
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**  
**Tri County District - Spokane Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<u>Pumping Equipment</u>				
Identification number or description of well or other source of supply to which pump is connected:	5031093			
Identification number, description, etc of each pump:	Spokane			
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible			
Purpose of pump (low lift, distribution, etc.):	Distribution			
Manufacturer:	Grounfos			
Rated Capacity (gallons per minute):	105			
Discharge Head (in feet):	401			
Revolutions or Strokes Per Minute:				
Number of Stages:	1			
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:	584			
<u>Power Equipment</u>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):	Electric			
Type	Hitachi			
Manufacturer	15			
Rated Horsepower				
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name  
Missouri-American Water Company

2022



**PUMPING STATION EQUIPMENT**

**St. Charles Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<p align="center"><u>Pumping Equipment</u></p> <p>Identification number or description of well or other source of supply to which pump is connected:</p> <p>Identification number, description, etc of each pump:</p> <p>Type (displacement, centrifugal, air life, turbine, etc.):</p> <p>Purpose of pump (low lift, distribution, etc.):</p> <p>Manufacturer:</p> <p>Rated Capacity (gallons per minute):</p> <p>Discharge Head (in feet):</p> <p>Revolutions or Strokes Per Minute:</p> <p>Number of Stages:</p> <p>Connection (belt, gear or direct, etc.):</p> <p>Number of Hours Operated During Year:</p> <p align="center"><u>Power Equipment</u></p> <p>Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):</p> <p>  Type</p> <p>  Manufacturer</p> <p>  Rated Horsepower</p> <p>Boiler Data:</p> <p>  Identification Number or Description</p> <p>  Manufacturer</p> <p>  Type (water tube, tube vertical, tube horizontal)</p> <p>  Rated Horsepower</p> <p>Electric Generators:</p> <p>  Identification Number or Description</p> <p>  Manufacturer</p> <p>  Motive Power (steam, gas or oil, hydraulic)</p> <p>  Connection (belt, gear or direct)</p> <p>  Rated Capacity (in kilowatt-amperes)</p> <p>Air Compressors:</p> <p>  Identification Number or Description</p> <p>  Manufacturer</p> <p>  Bore or Stroke</p> <p>  Size or Air Discharge Head</p> <p>  Submergence of Air Lift Head (in feet when not pumping)</p> <p>  Estimated Average Draw-Down During Operation</p> <p>  Pounds of Pressure Required to Blow Well</p> <p>  Pounds of Pressure Required After Air Lift Begins Operating</p>	<p>See Pg W-17 Attachment</p>			

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**MISSOURI-AMERICAN WATER COMPANY  
FOR THE CALENDAR YEAR OF JANUARY 1 - DECEMBER 31, 2022  
PUMPING STATION EQUIPMENT**

CENTRIFUGAL PUMPS	MAKE	CAPACITY GPM	FEET HEAD	RPM	NO. STAGES	CONNECTION	SOURCE OF SUPPLY	DRIVEN BY	PURPOSE OF PUMP	HOURS PER YEAR
HARVESTER RD - PUMP #1	AURORA	2,300	50	1,550	1	DIRECT	DISTRIBUTION 60 HP GE ELECTRIC MOTOR		Distribution Pressure	186
HARVESTER RD - PUMP #2	CORNELL	5,000	46	1,200	1	DIRECT	DISTRIBUTION 75 HP US ELECTRIC MOTOR		Distribution Pressure	1171
HARVESTER RD - PUMP #3	ITT A-C	4,000	75	1,780	1	DIRECT	DISTRIBUTION 100 HP US ELECTRIC MOTOR		Distribution Pressure	688
EHLMAN RD - PUMP #1	CORNELL	500	185	3,525	1	VARIABLE	DISTRIBUTION 40 HP BALDOR ELECTRIC MOTOR		Distribution Pressure	925
EHLMAN RD - PUMP #2	CONNELL	1,000	195	1,780	1	VARIABLE	DISTRIBUTION 75 HP BALDOR ELECTRIC MOTOR		Distribution Pressure	518
WELDON SPRING - PUMP #1	INGERSOLL-RAND	3,500	75	1,800	1	DIRECT	DISTRIBUTION 200 HP WESTINGHOUSE ELECTRIC MOTOR		Distribution Pressure	0
WELDON SPRING - PUMP #2	INGERSOLL-RAND	3,500	75	1,775	1	DIRECT	DISTRIBUTION 200 HP WESTINGHOUSE ELECTRIC MOTOR		Distribution Pressure	0
WELDON SPRING - PUMP #3	AURORA	9,600	90	1,200	1	DIRECT	DISTRIBUTION 350 HP US ELECTRIC MOTOR		Distribution Pressure	1
WELDON SPRING - PUMP #4	AURORA	500			1	DIRECT	DISTRIBUTION 20 HP US ELECTRIC MOTOR		Distribution Pressure	4118
WELDON SPRING - PUMP #5	AURORA	500			1	DIRECT	DISTRIBUTION 20 HP US ELECTRIC MOTOR		Distribution Pressure	3979
TOWERS RD - PUMP #1	GARDENER DENVER	2,000	95	1,750	1	DIRECT	DISTRIBUTION 60 HP CENTURY ELECTRIC MOTOR		Distribution Pressure	1224
TOWERS RD - PUMP #2	AURORA	1,600	55	1,800	1	DIRECT	DISTRIBUTION 30 US ELECTRIC MOTOR		Distribution Pressure	455
WHITMOOR - PUMP #1	AURORA	400	48	1,750	1	DIRECT	DISTRIBUTION 7.5 HP MARATHON ELECTRIC MOTOR		Distribution Pressure	4408
WHITMOOR - PUMP #2	AURORA	400	48	1,750	1	DIRECT	DISTRIBUTION 7.5 HP MARATHON ELECTRIC MOTOR		Distribution Pressure	4569
WHITMOOR - PUMP #3	PEERLESS	850	75	1,800	1	DIRECT	DISTRIBUTION 20 HP GE ELECTRIC MOTOR		Distribution Pressure	37
GREENS BOTTOM - PUMP #2	AURORA	5,208	260	1,800	1	DIRECT	DISTRIBUTION 450 HP US ELECTRIC MOTOR		Distribution Pressure	0
GREENS BOTTOM - PUMP #3	AURORA	3,472	80	1,200	1	DIRECT	DISTRIBUTION 100 HP US ELECTRIC MOTOR		Distribution Pressure	0
CAMELOT - PUMP #1	AURORA	70	55	3,500	1	DIRECT	DISTRIBUTION 3 HP MARATHON ELECTRIC MOTOR		Distribution Pressure	6080
CAMELOT - PUMP #2	PEERLESS	1,250	75	1,800	1	DIRECT	DISTRIBUTION 25 HP BALDOR ELECTRIC MOTOR		Distribution Pressure	846
CAMELOT - PUMP #3	PEERLESS	1,250	75	1,800	1	DIRECT	DISTRIBUTION 25 HP BALDOR ELECTRIC MOTOR		Distribution Pressure	2446
KNAUST ROAD #1	AURORA	900	70	1,750	1	DIRECT	DISTRIBUTION 20 HP US ELECTRIC MOTOR		Distribution Pressure	219
KNAUST ROAD #2	AURORA	400	68	1,800	1	DIRECT	DISTRIBUTION 10 HP US ELECTRIC MOTOR		Distribution Pressure	8160
KNAUST ROAD (SPARE MOTOR)							20 HP US ELECTRIC MOTOR			

**PUMPING STATION EQUIPMENT**  
**St. Joseph Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	ID # 1010714101 Alluvial Well	ID # 1010714102 Alluvial Well	ID # 1010714103 Alluvial Well	ID # 1010714104 Alluvial Well
Identification number, description, etc of each pump:	# 1 Vertical Well	# 2 Vertical Well	# 3 Vertical Well	# 4 Vertical Well
Type (displacement, centrifugal, air life, turbine, etc.):	Vertical Turbine Pump	Vertical Turbine Pump	Vertical Turbine Pump	Vertical Turbine Pump
Purpose of pump (low lift, distribution, etc.):	Raw Water Pump	Raw Water Pump	Raw Water Pump	Raw Water Pump
Manufacturer:	Flowway	Flowway	Flowway	Flowway
Rated Capacity (gallons per minute):	2600	2600	2600	2600
Discharge Head (in feet):	340	340	340	340
Revolutions or Strokes Per Minute:	1,800 RPM	1,800 RPM	1,800 RPM	1,800 RPM
Number of Stages:	4	4	4	4
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	Direct
Number of Hours Operated During Year:	4,269	6,071	5,023	3,486
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):	Electric Motor	Electric Motor	Electric Motor	Electric Motor
Type	Vertical Pump Motor 3 phase	Vertical Pump Motor 3 phase	Vertical Pump Motor 3 phase	Vertical Pump Motor 3 phase
Manufacturer	US Motor	US Motor	US Motor	US Motor
Rated Horsepower	300	300	300	300
Boiler Data:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Type (water tube, tube vertical, tube horizontal)	NA	NA	NA	NA
Rated Horsepower	NA	NA	NA	NA
Electric Generators:				
Identification Number or Description	Well Field # 1 & 2	Well Field # 1 & 2	Well Field # 1 & 2	1290
Manufacturer	Caterpillar	Caterpillar	Caterpillar	Caterpillar
Motive Power (steam, gas or oil, hydraulic)	Diesel	Diesel	Diesel	Diesel
Connection (belt, gear or direct)	Direct	Direct	Direct	Direct
Rated Capacity (in kilowatt-amperes)	725 Each	725 Each	725 Each	725 Each
Air Compressors:				
Identification Number or Description	NA	NA	NA	NA
Manufacturer	NA	NA	NA	NA
Bore or Stroke	NA	NA	NA	NA
Size or Air Discharge Head	NA	NA	NA	NA
Submergence of Air Lift Head (in feet when not pumping)	NA	NA	NA	NA
Estimated Average Draw-Down During Operation	NA	NA	NA	NA
Pounds of Pressure Required to Blow Well	NA	NA	NA	NA
Pounds of Pressure Required After Air Lift Begins Operating	NA	NA	NA	NA

Company Name Missouri American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**St. Joseph Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i>Pumping Equipment</i>				
Identification number or description of well or other source of supply to which pump is connected:	ID # 1010714105 Alluvial Well	ID # 1010714106 Alluvial Well	ID # 1010714107 Alluvial Well	
Identification number, description, etc of each pump:	# 5 Vertical Well	# 6 Vertical Well	# 7 Vertical Well	
Type (displacement, centrifugal, air life, turbine, etc.):	Vertical Turbine Pump	Vertical Turbine Pump	Vertical Turbine Pump	
Purpose of pump (low lift, distribution, etc.):	Raw Water Pump	Raw Water Pump	Raw Water Pump	
Manufacturer:	Flowway	Flowway	Flowway	
Rated Capacity (gallons per minute):	2600	2600	2600	
Discharge Head (in feet):	340	340	340	
Revolutions or Strokes Per Minute:	1,800 RPM	1,800 RPM	1,800 RPM	
Number of Stages:	4	4	4	
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	
Number of Hours Operated During Year:	1,993	1,620	1,446	
<i>Power Equipment</i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):	Electric Motor	Electric Motor	Electric Motor	
Type	Vertical Pump Motor 3 phase	Vertical Pump Motor 3 phase	Vertical Pump Motor 3 phase	
Manufacturer	US Motor	US Motor	US Motor	
Rated Horsepower	300	300	300	
Boiler Data:				
Identification Number or Description	NA	NA	NA	
Manufacturer	NA	NA	NA	
Type (water tube, tube vertical, tube horizontal)	NA	NA	NA	
Rated Horsepower	NA	NA	NA	
Electric Generators:				
Identification Number or Description	Well Field # 1 & 2	Well Field # 1 & 2	Well Field # 1 & 2	
Manufacturer	Caterpillar	Caterpillar	Caterpillar	
Motive Power (steam, gas or oil, hydraulic)	Diesel	Diesel	Diesel	
Connection (belt, gear or direct)	Direct	Direct	Direct	
Rated Capacity (in kilowatt-amperes)	725 Each	725 Each	725 Each	
Air Compressors:				
Identification Number or Description	NA	NA	NA	
Manufacturer	NA	NA	NA	
Bore or Stroke	NA	NA	NA	
Size or Air Discharge Head	NA	NA	NA	
Submergence of Air Lift Head (in feet when not pumping)	NA	NA	NA	
Estimated Average Draw-Down During Operation	NA	NA	NA	
Pounds of Pressure Required to Blow Well	NA	NA	NA	
Pounds of Pressure Required After Air Lift Begins Operating	NA	NA	NA	

Company Name Missouri American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**  
**St. Louis County Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<p align="center"><u>Pumping Equipment</u></p> <p>Identification number or description of well or other source of supply to which pump is connected:</p> <p>Identification number, description, etc of each pump:</p> <p>Type (displacement, centrifugal, air life, turbine, etc.):</p> <p>Purpose of pump (low lift, distribution, etc.):</p> <p>Manufacturer:</p> <p>Rated Capacity (gallons per minute):</p> <p>Discharge Head (in feet):</p> <p>Revolutions or Strokes Per Minute:</p> <p>Number of Stages:</p> <p>Connection (belt, gear or direct, etc.):</p> <p>Number of Hours Operated During Year:</p> <p align="center"><u>Power Equipment</u></p> <p>Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):</p> <p>Type</p> <p>Manufacturer</p> <p>Rated Horsepower</p> <p>Boiler Data:</p> <p>Identification Number or Description</p> <p>Manufacturer</p> <p>Type (water tube, tube vertical, tube horizontal)</p> <p>Rated Horsepower</p> <p>Electric Generators:</p> <p>Identification Number or Description</p> <p>Manufacturer</p> <p>Motive Power (steam, gas or oil, hydraulic)</p> <p>Connection (belt, gear or direct)</p> <p>Rated Capacity (in kilowatt-amperes)</p> <p>Air Compressors:</p> <p>Identification Number or Description</p> <p>Manufacturer</p> <p>Bore or Stroke</p> <p>Size or Air Discharge Head</p> <p>Submergence of Air Lift Head (in feet when not pumping)</p> <p>Estimated Average Draw-Down During Operation</p> <p>Pounds of Pressure Required to Blow Well</p> <p>Pounds of Pressure Required After Air Lift Begins Operating</p>	<p>See Pg W-17 Attachment</p>			

Company Name  
Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**MISSOURI-AMERICAN WATER COMPANY  
FOR THE YEAR ENDED DECEMBER 31, 2022  
PUMPING STATION EQUIPMENT**

PUMP	USE	MFR.	CAPACITY gpm	HEAD (FT.)	RPM	PRIME MOVER	MFR.	HORSE POWER	Purpose of Pump	Hours
<b>CENTRAL PLANT</b>										
No. 9	Intake	Johnston	20,000	60	509	Elec.	U.S.	400	Intake	3,476
No. 10	Intake	Johnston	20,000	60	509	Elec.	U.S.	400	Intake	4,464
No. 11	Intake	Johnston	20,000	60	509	Elec.	U.S.	400	Intake	3,478
No. 12	Intake	Johnston	20,000	60	509	Elec.	U.S.	400	Intake	3,125
No. 13	Intake	Empty								
No. 14	Intake	Johnston	20,000	60	509	Elec.	U.S.	400	Intake	2,971
No. 6	Filter 2-Speed	A-C	13,500 9,000	34 15	588 392	Elec.	A-C	150 55	Low Lift Low Lift	0
No. 7	Filter 2-Speed	A-C	13,500 11,600	34 25	588 500	Elec.	A-C	150 100	Low Lift Low Lift	2,186
No. 8	Filter	A-C	13,500	34	588	Elec.	A-C	150	Low Lift	6,011
No. 9	Filter	B-J	14,200	35	585	Elec.	G.E.	150	Low Lift	163
No. 13	Filter	A-C	10,000	25	495	Elec.	A-C	75	Low Lift	4,257
No. 14	Filter	A-C	10,000	25	495	Elec.	A-C	75	Low Lift	4,654
No. 15	Filter	A-C	17,000	30	585	Elec.	A-C	150	Low Lift	8,068
No. 1	Wash W.	Worth	1,600	60	1,750	Elec.	Wagner	30	Wash Water	Not tracked
No. 2	Wash W.	A-C	13,000	55	690	Elec.	G.E.	200	Wash Water	Not tracked
No. 3	Wash W.	F-M	3,937	60	1,185	Elec.	U.S.	75	Wash Water	Not tracked
	Sewer	Flygt	50	70	3,455	Elec.	Submer.	5	Sewer	Not tracked
	Sewer	Flygt	50	70	3,455	Elec.	Submer.	5	Sewer	Not tracked
No. 2	Sewer	Flygt	10,000	48	705	Elec.	Submer.	170	Sewer	Not tracked
No. 3	Sewer	Flygt	10,000	48	705	Elec.	Submer.	170	Sewer	Not tracked
No. 1	High Serv.	Flowserve	12,500	400	1,200	Elec.	U.S.	1,500	High Service	3,022
No. 2	High Serv.	Flowserve	12,500	400	900	Elec.	U.S.	2,250	High Service	1,071
No. 10	High Serv.	A-C	17,500	405	1,200	Elec.	G.E. - 2 stage	2,000	High Service	5,734
No. 11	High Serv.	Worth	11,000	405	1,200	Elec.	G.E. - 2 stage	1,400	High Service	3,722
No. 12	High Serv.	Worth	8,700	405	1,200	Elec.	G.E. - 2 stage	1,200	High Service	4,946
No. 3	High Serv.	Flowserve	5,500	400	1,200	Elec.	U.S.	1,500	High Service	4,253
No. 4	High Serv.	Flowserve	3,100	400	900	Elec.	U.S.	2,250	High Service	858
No. 5	High Serv.	Peer	8,800	405	900	Elec.	U.S.	1,000	High Service	0

MISSOURI-AMERICAN WATER COMPANY  
 FOR THE YEAR ENDED DECEMBER 31, 2022  
 PUMPING STATION EQUIPMENT

PUMP	USE	MFR.	CAPACITY gpm	HEAD (FT.)	RPM	PRIME MOVER	MFR.	HORSE POWER	Purpose of Pump	Hours
<b>NORTH PLANT</b>										
No. 1	Intake	Johnston	9,500	52	575	Elec.	U.S.	200	Intake	5,321
No. 2	Intake	Peer	8,500	52	587	Elec.	U.S.	200	Intake	345
No. 3	Intake	Peer	8,500	52	575	Elec.	G.E.	150	Intake	1,689
No. 4	Intake	Johnston	8,500	52	575	Elec.	U.S.	150	Intake	2,322
No. 5	Intake	I-R	14,800	54	710	Elec.	U.S.	250	Intake	1,603
No. 6	Intake	L-B	16,000	60	711	Elec.	U.S.	300	Intake	3,055
No. 7	Intake	L-B	16,000	60	710	Elec.	G.E.	300	Intake	3,151
No. 8	Intake	I-R	14,800	54	711	Elec.	U.S.	250	Intake	2,064
No. 1	High Serv.	Peer	8,333	405	Ea 1,180	Elec.	iiba: 1st & G.E.: 2nd s	1,000	High Service	2,244
No. 2	High Serv.	Peer	8,333	405	1,180	Elec.	ba: 1st & TECO: 2nd	1,000	High Service	1,935
No. 3	High Serv.	Peer	8,333	405	1,180	Elec.	ba: 1st & TECO: 2nd	1,000	High Service	4,037
No. 4	High Serv.	Peer	8,333	405	1,180	Elec.	iiba: 1st & G.E.: 2nd s	1,000	High Service	1,569
No. 7	High Serv.	I-R	7,639	405	1,185	Elec.	G.E.	1,000	High Service	696
No. 8	High Serv.	I-R	7,639	405	1,185	Elec.	G.E.	1,000	High Service	467
No. 9	High Serv.	I-R	7,639	405	1,185	Elec.	G.E.	1,000	High Service	2,801
No. 10	High Serv.	I-R	7,639	405	1,185	Elec.	G.E.	1,000	High Service	1,615
No. 11	High Serv.	I-R	7,639	405	1,185	Elec.	G.E.	1,000	High Service	1,983
No. 12	High Serv.	I-R	TBD	270	1,180	Elec.	G.E.	700	High Service	2,115
No. 1	Wash W.	I-R	2,000	90	1,750	Elec.	G.E.	60	Wash Water	2,501
No. 2	Wash W.	Worth	2,000	88	1,750	Elec.	U.S.	60	Wash Water	2,603
No. 1	Sewer	A-C	2,000	22	1,160	Elec.	A-C	15	Sewer	Not Tracked
W.	Chem D(2)	Floway	1,430	22	880	Elec.	G.E.	15	Chemical Distribution	Not Tracked
E.	Chem D(1)	Johnston	1,140	22	900	Elec.	U.S.	15	Chemical Distribution	Not Tracked

MISSOURI-AMERICAN WATER COMPANY  
 FOR THE YEAR ENDED DECEMBER 31, 2022  
 PUMPING STATION EQUIPMENT

PUMP	USE	MFR.	CAPACITY gpm	HEAD (FT.)	RPM	PRIME MOVER	MFR.	HORSE POWER	Purpose of Pump	Hours
<b>SOUTH PLANT</b>										
No. 1	Intake	I-R	5,700	113	1,185	Elec.	U.S.	200	Intake	1,797
No. 2	Intake	I-R	5,700	113	1,185	Elec.	U.S.	200	Intake	3,184
No. 3	Intake	I-R	5,700	113	1,185	Elec.	U.S.	200	Intake	0
No. 4	Intake	I-R	5,700	113	1,185	Elec.	U.S.	200	Intake	6,260
No. 5	Intake	Goulds	5,300	118	1,190	Elec.	G.E. - variable speed	200	Intake	8,131
No. 6	Intake	Goulds	5,300	118	1,190	Elec.	G.E.	200	Intake	1,240
No. 7	Intake	Goulds	5,300	118	1,190	Elec.	G.E.	200	Intake	684
No. 1	High Serv.	Worth	4,950	340	1,775	Elec.	GE	500	High Service	603
No. 2	High Serv.	Worth	4,950	340	1,775	Elec.	U.S. - variable speed	500	High Service	4,997
No. 3	High Serv.	Worth	4,950	340	1,775	Elec.	U.S.	500	High Service	1,401
No. 4	High Serv.	Worth	4,950	340	1,775	Elec.	G.E.	500	High Service	2,165
No. 5	High Serv.	Worth	4,950	340	1,775	Elec.	G.E.	500	High Service	551
No. 6	High Serv.	Worth	4,950	340	1,775	Elec.	G.E.	500	High Service	3,261
No. 7	High Serv.	Worth	4,950	340	1,775	Elec.	Siemens	500	High Service	1,789
No. 8	High Serv.	Goulds	4,865	370	1,780	Elec.	G.E. - variable speed	600	High Service	6,047
No. 1	Wash W.	I-R	2,500	91	1,770	Elec.	G.E.	75	Wash Water	1,865
No. 2	Wash W.	I-R	2,500	91	1,770	Elec.	G.E.	75	Wash Water	1,923
No. 1	Chem. Dist.	Johnston	1,000	15	1,150	Elec.	G.E.	8	Chemical Distribution	Not Tracked
No. 2	Chem. Dist.	Peer 2-Sp.	3,000	8	870	Elec.	G.E. - 2 speed	10/4.5	Chemical Distribution	Not Tracked

<b>ROSS TRANSMISSION BOOSTER STATION</b>										
No. 1	Booster	I-R	15,000	55	690	Elec.	U.S.	250	Distribution Booster	2,056
No. 2	Booster	I-R	15,000	55	690	Elec.	U.S.	250	Distribution Booster	1,977
No. 3	Booster	I-R	15,000	55	690	Elec.	U.S.	250	Distribution Booster	1,344
No. 4	Booster	I-R	2,400	80	1,160	Elec.	Toshiba	60	Distribution Booster	0



MISSOURI-AMERICAN WATER COMPANY  
 FOR THE YEAR ENDED DECEMBER 31, 2022  
 PUMPING STATION EQUIPMENT

PUMP	USE	MFR.	CAPACITY gpm	HEAD (FT.)	RPM	PRIME MOVER	MFR.	HORSE POWER	Purpose of Pump	Hours
<b>CENTRAL PLANT 3</b>										
No. 1	Intake	Johnston	17,500	50	585	Elec.	U.S.	300	Intake	4,073
No. 2	Intake	Aurora	17,500	50	585	Elec.	U.S.	250	Intake	1,904
No. 3	Intake	Johnston	10,250	50	585	Elec.	West	150	Intake	4,186
No. 4	Intake	Aurora	17,500	50	585	Elec.	U.S.	250	Intake	3,237
No. 5	Intake	Aurora	17,500	50	585	Elec.	U.S.	250	Intake	3,497
No. 6	Intake	Johnston	10,250	50	585	Elec.	West	150	Intake	3,552
No. 7	Intake	Aurora	17,500	50	585	Elec.	U.S.	250	Intake	1,264
No. 8	Intake	Layne	20,000	50	585	Elec.	U.S.	300	Intake	2,951
No. 1	High Serv.	Johnston	6,200	375	1,180	Elec.	G.E.	700	High Service	4,028
No. 2	High Serv.	Johnston	6,200	375	1,180	Elec.	G.E.	700	High Service	2,963
No. 3	High Serv.	Johnston	6,200	375	1,180	Elec.	G.E.	700	High Service	2,603
No. 4	High Serv.	Goulds	8,400	455	1,180	Elec.	S.A.	1,200	High Service	4,576
No. 5	High Serv.	Layne	8,450	455	1,180	Elec.	U.S.	1,250	High Service	4,593
No. 6	High Serv.	Goulds	8,400	455	1,180	Elec.	S.A.	1,200	High Service	4,475
No. 7	High Serv.	Johnston	6,200	375	1,180	Elec.	G.E.	700	High Service	1,846
No. 8	High Serv.	Johnston	6,200	375	1,180	Elec.	G.E.	700	High Service	2,601
No. 9	High Serv.	Johnston	6,200	375	1,180	Elec.	G.E.	700	High Service	2,072
No. 10	High Serv.	Layne	8,400	450	1,180	Elec.	U.S.	1,250	High Service	2,144
No. 11	High Serv.	Layne	8,400	450	1,180	Elec.	U.S.	1,250	High Service	2,497
No. 12	High Serv.	Layne	8,400	450	1,180	Elec.	U.S.	1,250	High Service	2,408
No. A	High Serv.	Goulds	8,300	440	1,220	Diesel	Caterpillar	1,200	High Service	104
No. B	High Serv.	Goulds	8,300	440	1,220	Diesel	Caterpillar	1,200	High Service	63
No. 1	Wash W.	Worth	4,000	55	1,180	Elec.	U.S.	75	Wash Water	Not Tracked
No. 2	Wash W.	Goulds	4,000	55	1,180	Elec.	G.E.	75	Wash Water	Not Tracked
No. 1	Chem Dist.	Johnston	2,400	15	1,200	Elec.	G.E.	15	Chemical Distribution	Not Tracked
No. 2	Chem Dist.	Johnston	2,400	15	1,200	Elec.	G.E.	15	Chemical Distribution	Not Tracked
No. 3	Chem Dist.	Johnston	2,400	15	1,200	Elec.	West	15	Chemical Distribution	Not Tracked
No. 4	Chem Dist.	Johnston	2,400	15	1,170	Elec.	G.E.	15	Chemical Distribution	Not Tracked
No. 1	Sewer	Flygt	10,000	48	705	Elec.	Submersible	170	Sewer	Not Tracked
No. 1	Sewer	Flygt	10,000	48	705	Elec.	Submersible	170	Sewer	Not Tracked
No. 1	" Recirculator	Johnston	400	20	1,200	Elec.	West	3	Circulation	Not Tracked
No. 2	" Recirculator	Johnston	400	20	1,200	Elec.	West	11	Circulation	Not Tracked

**MISSOURI-AMERICAN WATER COMPANY  
FOR THE YEAR ENDED DECEMBER 31, 2022  
PUMPING STATION EQUIPMENT**

PUMP	USE	MFR.	CAPACITY gpm	HEAD (FT.)	RPM	PRIME MOVER	MFR.	HORSE POWER	Purpose of Pump	Hours
<b>MERAMEC PLANT</b>										
No. 1	Intake	Johnston	8,200	98	885	Elec.	G.E.	300	Intake	2,924
No. 2	Intake	Johnston	8,200	98	885	Elec.	U.S.	300	Intake	4,456
No. 3	Intake	Johnston	8,200	98	885	Elec.	G.E.	300	Intake	1,981
No. 4	Intake	I-R	8,200	95	1,190	Elec.	G.E.	300	Intake	1,227
No. 5	Intake	I-R	8,200	95	1,190	Elec.	G.E.	300	Intake	3,379
No. 6	Intake	I-R	8,200	95	1,190	Elec.	G.E.	300	Intake	1,187
No. 1	Wash W.	A.C.	1,200	70	1,750	Elec.	A.C.	25	Wash Water	1,782
No. 2	Wash W.	A.C.	820	60	1,750	Elec.	A.C.	15	Wash Water	1,945
No. 3	Wash W.	Goulds	1,150	50	1,760	Elec.	S.A.	25	Wash Water	1,802
No. 1	Chem Dist.	Johnston	1,000	15	1,150	Elec.	G.E.	8	Chemical Distribution	Not Tracked
No. 2	Chem Dist.	Johnston	1,000	15	1,150	Elec.	G.E.	8	Chemical Distribution	Not Tracked
No. 3	Chem Dist.	Johnston	1,000	15	1,150	Elec.	G.E.	8	Chemical Distribution	Not Tracked
No. 4	Chem Dist.	Goulds	1,000	15	1,170	Elec.	G.E.	8	Chemical Distribution	Not Tracked
No. 1	High Serv.	Johnston	2,800	340	1,180	Elec.	G.E.	300	High Service	1,772
No. 2	High Serv.	Johnston	2,800	340	1,180	Elec.	G.E.	300	High Service	1,283
No. 3	High Serv.	Johnston	2,800	340	1,180	Elec.	G.E.	300	High Service	912
No. 4	High Serv.	Johnston	2,800	340	1,180	Elec.	G.E.	300	High Service	2,013
No. 5	High Serv.	Johnston	2,950	340	1,180	Elec.	G.E.	300	High Service	1,825
No. 6	High Serv.	Johnston	2,950	340	1,180	Elec.	G.E.	300	High Service	2,558
No. 7	High Serv.	Johnston	2,950	340	1,180	Elec.	G.E.	300	High Service	2,404
No. 8	High Serv.	Johnston	2,950	340	1,180	Elec.	G.E.	300	High Service	2,090
No. 9	High Serv.	I-R	2,950	340	1,180	Elec.	U.S.	300	High Service	2,334
No. 10	High Serv.	I-R	2,950	340	1,180	Elec.	U.S.	300	High Service	2,339
No. 11	High Serv.	I-R	2,950	340	1,180	Elec.	U.S.	300	High Service	4,405
No. 12	High Serv.	I-R	2,950	340	1,180	Elec.	U.S.	300	High Service	1,332
No. 13	High Serv.	I-R	2,950	340	1,180	Elec.	G.E.	300	High Service	2,198
No. 14	High Serv.	I-R	2,950	340	1,180	Elec.	U.S.	300	High Service	1,986
No. 15	High Serv.	I-R	2,950	340	1,180	Elec.	G.E.	300	High Service	1,942
No. 16	High Serv.	I-R	2,950	340	1,180	Elec.	G.E.	300	High Service	2,013

<b>LACKLAND TRANSMISSION BOOSTER STATION</b>										
No. 1	Booster	Peer	8,800	100	900	Diesel	G-M	260	Distribution Booster	0
No. 2	Booster	Peer	8,800	100	900	Diesel	G-M	260	Distribution Booster	0
No. 3	Booster	Peer	8,800	100	900	Diesel	G-M	260	Distribution Booster	0
No. 4	Booster	Peer	8,800	100	900	Diesel	G-M	260	Distribution Booster	0

**MISSOURI-AMERICAN WATER COMPANY  
FOR THE YEAR ENDED DECEMBER 31, 2022  
PUMPING STATION EQUIPMENT**

PUMP	USE	MFR.	CAPACITY gpm	HEAD (FT.)	RPM	PRIME MOVER	MFR.	HORSE POWER	Purpose of Pump	Hours
<b>STRATMAN STATION</b>										
No. 1	Booster	Patterson	9,722	109	705	Elec.	U.S. Motor	350	Distribution Booster	3,625
No. 2	Booster	Patterson	9,722	109	705	Elec.	U.S. Motor	350	Distribution Booster	3,606
No. 3	Booster	Patterson	9,722	109	705	Elec.	U.S. Motor	350	Distribution Booster	3,669
No. 4	Booster	Patterson	9,722	109	705	Elec.	U.S. Motor	350	Distribution Booster	3,500
No. 5	Booster	Patterson	9,722	109	705	Elec.	U.S. Motor	350	Distribution Booster	3,523
No. 6	Booster	Patterson	9,722	109	705	Elec.	U.S. Motor	350	Distribution Booster	3,603
<b>HOG HOLLOW BOOSTER STATION</b>										
No. 1	Booster	F-M	6,950	200	1,780	Elec.	TICO	450	Distribution Booster	155
No. 2	Booster	F-M	6,950	200	1,780	Elec.	TICO	450	Distribution Booster	92
No. 3	Booster	F-M	6,950	200	1,780	Elec.	TICO	450	Distribution Booster	139
No. 4	Booster	F-M	6,950	200	1,780	Elec.	TICO	450	Distribution Booster	291
<b>ADDITIONAL DISTRIBUTION STATIONS</b>										
AFTN No. 1	Booster	A.C.	2,500	100	1,770	Elec.	A.C.	75	Distribution Booster	43
AFTN No. 2	Booster	A.C.	2,500	100	1,770	Elec.	A.C.	75	Distribution Booster	1,167
AFTN No. 3	Booster	A.C.	2,500	100	1,770	Elec.	A.C.	75	Distribution Booster	1,166
AFTN No. 4	Booster	A.C.	2,500	100	1,770	Elec.	A.C.	75	Distribution Booster	1,317
<del>AFTN No. 5</del>	<del>Booster</del>	<del>A.C.</del>	<del>2,500</del>	<del>97</del>	<del>1,770</del>	<del>Elec.</del>	<del>A.C.</del>	<del>75</del>	<del>Distribution Booster</del>	
<del>AFTN No. 6</del>	<del>Booster</del>	<del>A.C.</del>	<del>2,500</del>	<del>97</del>	<del>1,770</del>	<del>Elec.</del>	<del>A.C.</del>	<del>75</del>	<del>Distribution Booster</del>	
AIRP No. 1	Booster	A.C.	3,850	103	1,770	Elec.	Siemens	125	Distribution Booster	2,404
AIRP No. 2	Booster	A.C.	3,850	103	1,770	Elec.	Toshiba	125	Distribution Booster	2,320
AIRP No. 3	Booster	F-M	5,900	132	1,770	Elec.	Emerson	250	Distribution Booster	263
BXBS No. 1	Booster	Franklin	3,250	53	1,200	Elec.	ODP	75	Distribution Booster	290
BXBS No. 2	Booster	Franklin	3,250	53	1,200	Elec.	ODP	60	Distribution Booster	603
BXBS No. 3	Booster	Weinman	2,500	150	1,750	Elec.	U.S.	125	Distribution Booster	35
BXBS No. 4	Booster	Franklin	3,250	53	1,200	Elec.	ODP	75	Distribution Booster	308
BXTK No. 1	Booster	A.C.	2,100	215	1,770	Elec.	A.C.	150	Distribution Booster	1,035
BXTK No. 2	Booster	A.C.	2,100	215	1,770	Elec.	A.C.	150	Distribution Booster	1,236
BXTK No. 3	Booster	A.C.	2,100	215	1,770	Elec.	A.C.	150	Distribution Booster	1,201
BXTK No. 4	Booster	Weinman	2,200	150	1,770	Elec.	U.S.	150	Distribution Booster	1,183
BOHM No. 1	Booster	I-R	2,500	95	1,770	Elec.	G.E.	75	Distribution Booster	0
BOHM No. 2	Booster	I-R	2,500	95	1,770	Elec.	G.E.	75	Distribution Booster	0
BOHM No. 3	Booster	I-R	2,500	95	1,770	Elec.	G.E.	75	Distribution Booster	0
BOHM No. 4	Booster	I-R	2,500	95	1,770	Elec.	G.E.	75	Distribution Booster	0
CARM No. 1	Booster	I-R	2,500	91	1,770	Elec.	G.E.	75	Distribution Booster	165
CARM No. 2	Booster	A.C.	2,500	140	1,770	Elec.	Marathon	125	Distribution Booster	1,254
CARM No. 3	Booster	A.C.	2,500	140	1,770	Elec.	U.S.	125	Distribution Booster	1,004
CARM No. 4	Booster	A.C.	2,500	140	1,770	Elec.	U.S.	125	Distribution Booster	1,124

**MISSOURI-AMERICAN WATER COMPANY  
FOR THE YEAR ENDED DECEMBER 31, 2022  
PUMPING STATION EQUIPMENT**

PUMP	USE	MFR.	CAPACITY gpm	HEAD (FT.)	RPM	PRIME MOVER	MFR.	HORSE POWER	Purpose of Pump	Hours
CHRY No. 1	Booster	F-M	2,000	113	1,770	Elec.	Lincoln	75	Distribution Booster	840
CHRY No. 2	Booster	F-M	2,000	113	1,770	Elec.	Lincoln	75	Distribution Booster	967
CHRY No. 3	Booster	F-M	2,000	113	1,770	Elec.	Lincoln	75	Distribution Booster	944
CHRY No. 4	Booster	F-M	2,000	113	1,770	Elec.	Lincoln	75	Distribution Booster	965
CFLD No. 1	Booster	Aurara	4,500	170	1,775	Elec.	Emerson	250	Distribution Booster	4,673
CFLD No. 2	Booster	F-M	7,000	230	1,785	Elec.		500	Distribution Booster	1
CFLD No. 3	Booster	Aurara	4,500	170	1,775	Elec.	Emerson	250	Distribution Booster	4,203
CLAM No. 1	Booster	Weinmann	2,800	94	1,770	Elec.	U.S.	100	Distribution Booster	1,427
CLAM No. 2	Booster	Weinmann	2,800	94	1,770	Elec.	U.S.	100	Distribution Booster	1,436
CLAT No. 1	Booster	A.C.	2,050	150	1,770	Elec.	A.C.	100	Distribution Booster	684
CLAT No. 2	Booster	A.C.	2,050	150	1,770	Elec.	A.C.	100	Distribution Booster	654
CLAT No. 3	Booster	A.C.	2,050	150	1,770	Elec.	A.C.	100	Distribution Booster	643
CLAT No. 4	Booster	A.C.	2,050	150	1,770	Elec.	A.C.	100	Distribution Booster	562
FEFE No. 1	Booster	A.C.	2,900	175	1,770	Elec.	A.C.	150	Distribution Booster	550
FEFE No. 2	Booster	A.C.	2,900	175	1,770	Elec.	A.C.	150	Distribution Booster	542
FEFE No. 3	Booster	A.C.	2,900	175	1,770	Elec.	A.C.	150	Distribution Booster	585
FEFE No. 4	Booster	A.C.	2,900	175	1,770	Elec.	A.C.	150	Distribution Booster	539
FLOR No. 1	Booster	Fairbanks	2,100	160	1,800	Elec.	U.S.	125	Distribution Booster	335
FLOR No. 2	Booster	Fairbanks	2,100	160	1,800	Elec.	U.S.	125	Distribution Booster	340
FLOR No. 3	Booster	Fairbanks	2,100	160	1,800	Elec.	U.S.	125	Distribution Booster	335
FLOR No. 4	Booster	Peer	2,100	205	1,780	Elec.	Lincoln	150	Distribution Booster	0
FOER No. 1	Booster	A.C.	2,100	215	1,770	Elec.	A.C.	150	Distribution Booster	0
FOER No. 2	Booster	A.C.	2,100	215	1,770	Elec.	A.C.	150	Distribution Booster	0
FOER No. 3	Booster	A.C.	2,100	215	1,770	Elec.	A.C.	150	Distribution Booster	0
FOER No. 4	Booster	A.C.	2,100	215	1,770	Elec.	A.C.	150	Distribution Booster	0
GRVR No. 1	Booster	Aurora	750	50	1,760	Elec.	Marathon	15	Distribution Booster	746
GRVR No. 2	Booster	Aurora	750	50	1,760	Elec.	Marathon	15	Distribution Booster	1,218
HAWK No. 1	Booster	A.C.	2,400	1,400	1,775	Elec.	U.S.	100	Distribution Booster	357
HAWK No. 2	Booster	A.C.	2,400	1,400	1,775	Elec.	A.C.	100	Distribution Booster	47
HAWK No. 3	Booster	Cornell	2,275	85	1,775	Elec.	U.S.	60	Distribution Booster	1,942
HAZL No. 1	Booster	A.C.	2,800	140	1,770	Elec.	A.C.	125	Distribution Booster	0
HAZL No. 2	Booster	A.C.	2,800	140	1,770	Elec.	A.C.	125	Distribution Booster	0
HAZL No. 3	Booster	A.C.	2,800	140	1,770	Elec.	U.S.	125	Distribution Booster	1,331
HAZL No. 4	Booster	A.C.	2,800	140	1,770	Elec.	U.S.	125	Distribution Booster	1,304
HAZL No. 5	Booster	A.C.	3,400	130	1,770	Elec.	U.S.	125	Distribution Booster	209
HAZL No. 6	Booster	A.C.	3,400	130	1,770	Elec.	U.S.	125	Distribution Booster	197
KEHR No. 1	Booster	Franklin	2,800	77	1,750	Elec.	ODP	75	Distribution Booster	376
KEHR No. 2	Booster	Franklin	2,800	77	1,750	Elec.	ODP	75	Distribution Booster	702
KEHR No. 3	Booster	Franklin	2,800	77	1,750	Elec.	ODP	75	Distribution Booster	610
KEHR No. 4	Booster	Franklin	2,800	77	1,750	Elec.	ODP	75	Distribution Booster	609
LIND No. 1	Booster	Flowserve	8,800	100	1,185	Elec.	Tatung	250	Distribution Booster	740

**MISSOURI-AMERICAN WATER COMPANY  
FOR THE YEAR ENDED DECEMBER 31, 2022  
PUMPING STATION EQUIPMENT**

PUMP	USE	MFR.	CAPACITY gpm	HEAD (FT.)	RPM	PRIME MOVER	MFR.	HORSE POWER	Purpose of Pump	Hours
LUCS No. 1	Booster	Cornell	2,100	136	1,780	Elec.	U.S.	100	Distribution Booster	626
LUCS No. 2	Booster	Cornell	2,100	136	1,780	Elec.	U.S.	100	Distribution Booster	276
MEHL No. 1	Booster	I-R	2,500	91	1,770	Elec.	G.E.	75	Distribution Booster	693
MEHL No. 2	Booster	I-R	2,500	91	1,770	Elec.	G.E.	75	Distribution Booster	741
MEHL No. 3	Booster	I-R	2,500	91	1,770	Elec.	G.E.	75	Distribution Booster	670
MEHL No. 4	Booster	I-R	2,500	91	1,770	Elec.	G.E.	75	Distribution Booster	562
NORW No. 1	Booster	A.C.	2,400	140	1,770	Elec.	A.C.	100	Distribution Booster	446
NORW No. 2	Booster	A.C.	2,400	140	1,770	Elec.	A.C.	100	Distribution Booster	335
NORW No. 3	Booster	A.C.	2,400	140	1,770	Elec.	A.C.	100	Distribution Booster	456
NORW No. 4	Booster	A.C.	2,400	140	1,770	Elec.	U.S.	100	Distribution Booster	582
OAKV No. 1	Booster	Aurora	1,200	106	1,750	Elec.	WEG	50	Distribution Booster	795
OAKV No. 2	Booster	Aurora	1,200	106	1,750	Elec.	WEG	50	Distribution Booster	295
OAKV No. 3	Booster	A.C.	1,020	95	1,775	Elec.	U.S.	40	Distribution Booster	1,481
OHLF No. 1	Booster	Worth	2,500	155	1,780	Elec.	U.S.	125	Distribution Booster	961
OHLF No. 2	Booster	Worth	2,500	155	1,780	Elec.	U.S.	125	Distribution Booster	942
OHLF No. 3	Booster	Worth	2,500	155	1,780	Elec.	U.S.	125	Distribution Booster	940
OHLF No. 4	Booster	Worth	2,500	155	1,780	Elec.	Lincoln	125	Distribution Booster	951
PDVB No. 1	Booster	Goulds	235	180	1,765	Elec.	Baldor	20	Distribution Booster	1,386
PDVB No. 2	Booster	Goulds	235	180	1,765	Elec.	Baldor	20	Distribution Booster	610
PDVT No. 1	Booster	Peer	300	60	1,760	Elec.	WEG	7.5	Distribution Booster	6,939
PRIN No. 1	Booster	A.C.	5,500	67	1,185	Elec.	S-A	125	Distribution Booster	606
PRIN No. 2	Booster	A.C.	5,500	67	1,185	Elec.	S-A	125	Distribution Booster	601
REMO No. 1	Booster	Peer	70	116	1,750	Elec.	U.S.	40.0	Distribution Booster	1
REMO No. 2	Booster	Aurora	700	157	1,770	Elec.	Marathon	7.5	Distribution Booster	57
REMO No. 3	Booster	I-R	1,000	116	1,800	Elec.	U.S.	50	Distribution Booster	1
RKHL No. 1	Booster	Peer	6,000	105	1,780	Elec.	U.S.	200	Distribution Booster	192
RKHL No. 2	Booster	Peer	6,000	105	1,780	Elec.	Lincoln	200	Distribution Booster	182
ROSE No. 1	Booster	Mueller	1,400	135	1,760	Elec.	Baldor	75	Distribution Booster	0
ROSE No. 2	Booster	Mueller	1,400	135	1,760	Elec.	Baldor	75	Distribution Booster	0
ROSE No. 3	Booster	Mueller	1,000	135	1,760	Elec.	Baldor	50	Distribution Booster	0
ROSE No. 4	Booster	Mueller	1,000	135	1,760	Elec.	Baldor	50	Distribution Booster	0
SAPP No. 1	Booster	I-R	2,500	91	1,770	Elec.	G.E.	75	Distribution Booster	1,099
SAPP No. 2	Booster	I-R	2,500	91	1,770	Elec.	G.E.	75	Distribution Booster	1,133
SAPP No. 3	Booster	I-R	2,500	91	1,770	Elec.	G.E.	75	Distribution Booster	1,133
SAPP No. 4	Booster	I-R	2,500	91	1,770	Elec.	G.E.	75	Distribution Booster	1,125
STRK No. 1	Booster	Fairbanks	5,800	120	1,785	Elec.	Reliance	250	Distribution Booster	2,926
STRK No. 2	Booster	Fairbanks	5,800	120	1,800	Elec.	Tatung	200	Distribution Booster	100
TLFR No. 1	Booster	Peer	1,040	105	1,775	Elec.	G.E.	40	Distribution Booster	88
TLFR No. 2	Booster	Peer	1,040	105	1,775	Elec.	G.E.	40	Distribution Booster	103
TESN No. 1	Booster	A.C.	2,500	92	1,770	Elec.	A.C.	75	Distribution Booster	1,313

**MISSOURI-AMERICAN WATER COMPANY  
FOR THE YEAR ENDED DECEMBER 31, 2022  
PUMPING STATION EQUIPMENT**

PUMP	USE	MFR.	CAPACITY gpm	HEAD (FT.)	RPM	PRIME MOVER	MFR.	HORSE POWER	Purpose of Pump	Hours
TESN No. 2	Booster	A.C.	2,500	92	1,770	Elec.	A.C.	75	Distribution Booster	1,280
TESN No. 3	Booster	A.C.	2,500	92	1,770	Elec.	A.C.	75	Distribution Booster	1,062
TESN No. 4	Booster	A.C.	2,500	92	1,770	Elec.	A.C.	75	Distribution Booster	1,063
VLLY No. 1	Booster	Mueller	2,800	94	1,770	Elec.	U.S.	100	Distribution Booster	4
VLLY No. 2	Booster	Weinmann	2,800	94	1,770	Elec.	U.S.	100	Distribution Booster	1
VLLY No. 3	Booster	Weinmann	3,750	135	1,780	Elec.	U.S.	200	Distribution Booster	1
VLLY No. 4	Booster	Weinmann	3,750	135	1,780	Elec.	U.S.	200	Distribution Booster	18
VLGV No. 1	Booster	Peer	1,000	50	1,770	Elec.	Baldor	20	Distribution Booster	4,438
VLGV No. 2	Booster	Peer	1,000	50	1,770	Elec.	Baldor	20	Distribution Booster	4,094
WALT. No. 1	Booster	Aurora	2,011	112	1,800	Elec.	WEG	75	Distribution Booster	558
WALT. No. 2	Booster	I-R	2,500	91	1,770	Elec.	G.E.	75	Distribution Booster	557
WALT. No. 3	Booster	I-R	2,500	91	1,770	Elec.	G.E.	75	Distribution Booster	566
WALT. No. 4	Booster	Aurora	2,011	112	1,800	Elec.	WEG	75	Distribution Booster	587
WARS. No. 1	Booster	Peer	6,000	105	1,780	Elec.	Lincoln	200	Distribution Booster	193
WARS. No. 2	Booster	Peer	6,000	105	1,780	Elec.	Lincoln	200	Distribution Booster	192
WILD No. 1	Booster	Layne	480	118	1,760	Elec.	U.S.	30	Distribution Booster	2,147
WILD No. 2	Booster	Layne	480	118	1,760	Elec.	U.S.	30	Distribution Booster	355

**PUMPING STATION EQUIPMENT**  
**Tri County District - Stonebridge Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i>Pumping Equipment</i>				
Identification number or description of well or other source of supply to which pump is connected:	MO5031086	MO5031086	MO5031086	MO5031086
Identification number, description, etc of each pump:	Forest Lake Well #2	Stonebridge Well #1	#1 Booster	#2 Booster
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible	Submersible		
Purpose of pump (low lift, distribution, etc.):	Deep Well	Deep Well	Distribution booster	Distribution booster
Manufacturer:	Grundfos	Grundfos	AY Mcdonald	Goulds
Rated Capacity (gallons per minute):	320	480		
Discharge Head (in feet):	705	780		
Revolutions or Strokes Per Minute:				
Number of Stages:	18	10		
Connection (belt, gear or direct, etc.):		Direct		
Number of Hours Operated During Year:				
<i>Power Equipment</i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric Motor	Electric Motor	Electric Motor	Electric Motor
Manufacturer	Hitachi	Franklin	Emerson	Emerson
Rated Horsepower	75	125		
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**  
**Table Rock Estates Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i>Pumping Equipment</i>				
Identification number or description of well or other source of supply to which pump is connected:				
Identification number, description, etc of each pump:	TRE Well 1	TRE Well 2		
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible	Submersible		
Purpose of pump (low lift, distribution, etc.):	Deep Well	Deep Well		
Manufacturer:	Groundfos	Groundfos		
Rated Capacity (gallons per minute):	35 GPM	35 GPM		
Discharge Head (in feet):				
Revolutions or Strokes Per Minute:				
Number of Stages:				
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:				
<i>Power Equipment</i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric	Electric		
Manufacturer	Franklin	Franklin		
Rated Horsepower	2hp	5hp		
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022



**PUMPING STATION EQUIPMENT**  
**Tri County District - Tri-State Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i>Pumping Equipment</i>				
Identification number or description of well or other source of supply to which pump is connected:	5024601104	5024601105		
Identification number, description, etc of each pump:	Well #4	Well #5	Well #6	
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible	Submersible	Submersible	
Purpose of pump (low lift, distribution, etc.):	Distribution	Distribution	Distribution	
Manufacturer:	Grundfos	Goulds	Grundfos	
Rated Capacity (gallons per minute):	700	871	1000	
Discharge Head (in feet):	708	904		
Revolutions or Strokes Per Minute:				
Number of Stages:	7	6	6	
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:				
<i>Power Equipment</i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric	Electric	Electric	
Manufacturer	Franklin	Hitachi	Hitachi	
Rated Horsepower	150 Hp	250 Hp	250 Hp	
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Wardsville**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i>Pumping Equipment</i>				
Identification number or description of well or other source of supply to which pump is connected:	Well 1	Well 2	Booster 1	Booster 2
Identification number, description, etc of each pump:	Webtrol WS300500-14	WS3005004C3	Ser No. C1010110688	Ser No. C1010110693
Type (displacement, centrifugal, air life, turbine, etc.):	submersible turbine centrifugal dist.	submersible turbine centrifugal ground storage	centrifugal dist	centrifugal dist.
Purpose of pump (low lift, distribution, etc.):				
Manufacturer:	Franklin	Franklin	Aurora	Aurora
Rated Capacity (gallons per minute):	300 GPM	300 GPM	300GPM	300GPM
Discharge Head (in feet):				
Revolutions or Strokes Per Minute:	1,725	1,725	1,725	1,725
Number of Stages:	1	1	1	1
Connection (belt, gear or direct, etc.):	direct 3000	direct 3000	direct 1500	direct 1500
Number of Hours Operated During Year:				
<i>Power Equipment</i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	electric water turbine	electric water turbine	electric motor	electric motor
Manufacturer	Franklin	Franklin	Baldor	Baldor
Rated Horsepower	50	50	50	50
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)	N/A	N/A	N/A	N/A
Rated Horsepower				
Electric Generators:				
Identification Number or Description	N/A	Booster Station Generator Kohler 150	Booster Station Generator Kohler 150	Booster Station Generator Kohler 150
Manufacturer		Model No. 150REOZJD	Model No. 150REOZJD	Model No. 150REOZJD
Motive Power (steam, gas or oil, hydraulic)		Ser No. 2288052	Ser No. 2288052	Ser No. 2288052
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Warren County**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Warren County Booster Pump #1 Tank	Warren County Booster Pump #2 Tank	Warren County Booster Pump #3 Tank	Warren County Well Pump Groundwater
Identification number, description, etc of each pump:				
Type (displacement, centrifugal, air life, turbine, etc.):				
Purpose of pump (low lift, distribution, etc.):	Back up pump	Back up pump	Back up pump	Primary well pump
Manufacturer:	Gould Model	Gould Model	Gould Model	Grundfos
Rated Capacity (gallons per minute):	132	132	132	260
Discharge Head (in feet):	70 TDH	70 TDH	70 TDH	450 TDH
Revolutions or Strokes Per Minute:	3,600	3,600	3,600	3,450
Number of Stages:	1	1	1	10
Connection (belt, gear or direct, etc.):	Variable Speed	Variable Speed	Variable Speed	
Number of Hours Operated During Year:	0	0	0	1887
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric	Electric	Electric	Electric
Manufacturer	TESC Motors	TESC Motors	TESC Motors	Franklin
Rated Horsepower	10 HP	10 HP	10 HP	40 HP
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name  
Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**  
**Warrensburg Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Well #5	Well #6	Well #7	Well #8
Identification number, description, etc of each pump:	9THC-7	8000S750	1100S1000-3AA	1100S1000-3AA
Type (displacement, centrifugal, air life, turbine, etc.):	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Purpose of pump (low lift, distribution, etc.):	Well/Production	Well/Production	Well/Production	Well/Production
Manufacturer:	Goulds	Goulds	Grungfros	Grundfos
Rated Capacity (gallons per minute):	750	800	1,120	1,100
Discharge Head (in feet):	260	289	288	250
Revolutions or Strokes Per Minute:	1,770	3,510	3,510	3,510
Number of Stages:	7	8	3	3
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	Direct
Number of Hours Operated During Year:	1,856.01	2,655.98	3,061.89	3,276.40
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric	Electric	Electric	Electric
Manufacturer	US	GE	Hitachi	US
Rated Horsepower	75	75	100	75
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:	Plant			
Identification Number or Description	Model SR4B			
Manufacturer	Caterpillar			
Motive Power (steam, gas or oil, hydraulic)	Diesel			
Connection (belt, gear or direct)	Direct			
Rated Capacity (in kilowatt-amperes)	480 VAC 3 Phase 350 KVA			
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**  
**Warrensburg Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	Well #9			
Identification number, description, etc of each pump:	11CS1C			
Type (displacement, centrifugal, air life, turbine, etc.):	Centrifugal			
Purpose of pump (low lift, distribution, etc.):	Well/Production			
Manufacturer:	Goulds			
Rated Capacity (gallons per minute):	1,100			
Discharge Head (in feet):	215			
Revolutions or Strokes Per Minute:	3,510			
Number of Stages:	1			
Connection (belt, gear or direct, etc.):	Direct			
Number of Hours Operated During Year:	3,194.85			
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric			
Manufacturer	Centri-Pro			
Rated Horsepower	75			
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description	Model 200REOZJF			
Manufacturer	Kohler			
Motive Power (steam, gas or oil, hydraulic)	Diesel			
Connection (belt, gear or direct)	Direct			
Rated Capacity (in kilowatt-amperes)	200 KW/250 KVA 60HZ 277/480V, Wye, 3ph 4w			
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**  
**Warrensburg Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	High Service Pump Room	High Service Pump Room	High Service Pump Room	High Service Pump Room
Identification number, description, etc of each pump:	Distribution Pump #1	Distribution Pump #2	Distribution Pump #3	Distribution Pump #4
Type (displacement, centrifugal, air life, turbine, etc.):	Vertical Turbine	Vertical Turbine	Vertical Turbine	Vertical Turbine
Purpose of pump (low lift, distribution, etc.):	Distribution	Distribution	Distribution	Distribution
Manufacturer:	National	National	National	Floway
Rated Capacity (gallons per minute):	1,600	1,600	1,600	1,600
Discharge Head (in feet):	215	215	215	215
Revolutions or Strokes Per Minute:	1,800	1,800	1,800	1,775
Number of Stages:	6	6	6	4
Connection (belt, gear or direct, etc.):	Direct	Direct	Direct	Direct
Number of Hours Operated During Year:	2,151.20	2,788	3,025	667
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric	Electric	Electric	Electric
Manufacturer	US	US	US	US
Rated Horsepower	150	150	150	150
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:	Plant Generator same as Well #5	Plant Generator same as Well #5	Plant Generator same as Well #5	Plant Generator same as Well #5
Identification Number or Description	Plant	Plant	Plant	Plant
Manufacturer	Model SR4B	Model SR4B	Model SR4B	Model SR4B
Motive Power (steam, gas or oil, hydraulic)	Caterpillar	Caterpillar	Caterpillar	Caterpillar
Connection (belt, gear or direct)	Diesel	Diesel	Diesel	Diesel
Rated Capacity (in kilowatt-amperes)	Direct	Direct	Direct	Direct
Air Compressors:	480 VAC 3 Phase 350 KVA	480 VAC 3 Phase 350 KVA	480 VAC 3 Phase 350 KVA	480 VAC 3 Phase 350 KVA
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Whitebranch Operations**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:	MO3036113	MO3036113		
Identification number, description, etc of each pump:	Whitebranch #1	Whitebranch #5		
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible	Submersible		
Purpose of pump (low lift, distribution, etc.):	Deep Well	Deep Well		
Manufacturer:	Grundfos			
Rated Capacity (gallons per minute):	200 gpm	11 gpm		
Discharge Head (in feet):	294'			
Revolutions or Strokes Per Minute:	3,450 rpm			
Number of Stages:	5	1		
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:	607	No meter		
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Engine			
Manufacturer	Franklin			
Rated Horsepower	20 hp			
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description	50REOZJD			
Manufacturer	Kohler			
Motive Power (steam, gas or oil, hydraulic)	Direct			
Connection (belt, gear or direct)	204 Amperes			
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPING STATION EQUIPMENT**

**Woodland Manor**

Use separate columns for each pump and associated power equipment. Use additional sheets if necessary. For pumps, use only those lines applicable to the unit.

Particulars (a)	(b)	(c)	(d)	(e)
<i><u>Pumping Equipment</u></i>				
Identification number or description of well or other source of supply to which pump is connected:				
Identification number, description, etc of each pump:	Woodland Manor Well 2	Woodland Manor Well 3		
Type (displacement, centrifugal, air life, turbine, etc.):	Submersible	Submersible		
Purpose of pump (low lift, distribution, etc.):	Deep Well	Deep Well		
Manufacturer:	Groundfos	Groundfos		
Rated Capacity (gallons per minute):	50 gpm	150 gpm		
Discharge Head (in feet):				
Revolutions or Strokes Per Minute:				
Number of Stages:				
Connection (belt, gear or direct, etc.):				
Number of Hours Operated During Year:				
<i><u>Power Equipment</u></i>				
Motive Power for Pump (steam, gas or oil engine, electric motor, or water turbine):				
Type	Electric	Electric		
Manufacturer	Unknown	Hitachi		
Rated Horsepower	5 hp	15HP		
Boiler Data:				
Identification Number or Description				
Manufacturer				
Type (water tube, tube vertical, tube horizontal)				
Rated Horsepower				
Electric Generators:				
Identification Number or Description				
Manufacturer				
Motive Power (steam, gas or oil, hydraulic)				
Connection (belt, gear or direct)				
Rated Capacity (in kilowatt-amperes)				
Air Compressors:				
Identification Number or Description				
Manufacturer				
Bore or Stroke				
Size or Air Discharge Head				
Submergence of Air Lift Head (in feet when not pumping)				
Estimated Average Draw-Down During Operation				
Pounds of Pressure Required to Blow Well				
Pounds of Pressure Required After Air Lift Begins Operating				

Company Name Missouri-American Water Company

For the calendar year of January 1 - December 31, 2022



**PUMPS**  
**Anna Meadows Operations**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
Franklin motor on Grundfos pump - Submersible well pump	380 gpm	2006	N/A	N/A

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Number:	Number:	Number:	Number:
Description (i.e., Deep, Artisan, Spring, etc.)	Deep Well #1			
Year Constructed	2006			
Type of Construction	Rock Hole			
Type of Casing	Steel			
Depth and Diameter of Well	1,540 ft depth; 12 inch diameter			
Yield of Well in Gallons per day				
Chemicals (i.e., Provide Type, Cost and Quantities of Each):	None			
Type -				
Cost -				
Quantity -				

Company Name: Missouri American Water Company

For the calendar year of January 1 - December 31, 2022

**PUMPS**  
**Brunswick Operations**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
1					
2					
3	Well 1 - Webtrol 3 stage submersible	180	September 9, 1951	March 16, 2016	March 23, 2022
4	Well 2 - Webtrol 3 stage submersible	180	November 3, 1951	October 21, 2016	March 6, 2020
5	Well 3 - Sulzer 3 stage submersible	368	July 21, 1982	April 16, 2007	April 16, 2007
6	High Service #1 - Layne 7CHC 10 stage	221	April 17, 1952	March 16, 2005	March 16, 2005
7	High Service #2 - Layne 8RKLC 11 stage	216	April 17, 1952	December 23, 2015	June 15, 1988
8	High Service #3 - Layne 8RKLC 11 stage	237	April 24, 1989	April 24, 1989	April 24, 1989
9					
10					
11					
12					

**WELLS**

	Number:	Number:	Number:	Number:
13				
14	Description (i.e., Deep, Artisan, Spring, etc.)	Shallow #1	Shallow #2	Shallow #3
15	Year Constructed	1951	1951	1982
16	Type of Construction	Drilled	Drilled	Drilled
17	Type of Casing	17 ft SS wirewrap screen 45 ft carbon steel well casing	20 ft SS wirewound screen 45 ft steel liner	25 ft SS wirewound screen 68 ft steel casing
18	Depth and Diameter of Well	62 ft x 12 in. relined w/10 inch	65 ft 7in X 12 in relined w/10 inch	93 ft X 16 inch
19	Yield of Well in Gallons per day	259,200	259,200	529,920
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):	N/A	N/A	N/A
21	Type -			
22	Cost -			
23	Quantity -			

Company Name: **Missouri-American Water Company**

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Tri County District - Emerald Pointe Operations**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
Emerald Pointe Well 1	300 gpm	11/04/14	2021	2021
Emerald Pointe Well 2	500 gpm	02/16/18		

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Emeral Pointe		Number:	Number:
Description (i.e., Deep, Artisian, Spring, etc.)	Deep	Deep		
Year Constructed	1994	2018		
Type of Construction	Drilled	Drilled		
Type of Casing	Steel	Steel		
Depth and Diameter of Well	1500' x 12"	1500' x 12"		
Yield of Well in Gallons per day	432,000	720,000		
Chemicals (i.e., Provide Type, Cost and Quantities of Each):				
Type -	Liquid Chlorine	Liquid Chlorine		
Cost -				
Quantity -	541 lbs	541 lbs		

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Eureka Operations**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
1	See Attached (Pg W-18 Eureka)				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

**WELLS**

	Number:	Number:	Number:	Number:
13				
14	Well #1 - Howerton	Well #5 - Drewel Park	Well #6 - Legends	Well #8 - Viola
15	1977	1989	1996	2003
16	Deep	Deep	Deep	Deep
17	Stainless Steel 500' Deep	Stainless Steel 645' Deep	Epoxy Coated 1,235' Deep	Stainless Steel 865' Deep
18	12" Diameter	12" Diameter	12" Diameter	12" Diameter
19	1.4	1.4	0.86	0.86
20	N/A	N/A	N/A	N/A
21	Type -			
22	Cost -			
23	Quantity -			

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Eureka Operations**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
See Attached (Pg W-18 Eureka)				

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Number:	Number:	Number:	Number:
Description (i.e., Deep, Artisan, Spring, etc.)	Well #9 - Arbors	Well #10 - West Main		
Year Constructed	2016	2006		
Type of Construction	Deep	Deep		
Type of Casing	Galvanized	Epoxy Coated		
Depth and Diameter of Well	635' Deep 12" Diameter	695' Deep 12" Diameter		
Yield of Well in Gallons per day	1.15	0.72		
Chemicals (i.e., Provide Type, Cost and Quantities of Each):	N/A	N/A		
Type -				
Cost -				
Quantity -				

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**Pg W-18 Eureka Attachment - Pumps January 1 - December 31, 2022**

Identification number, description, etc of each pump:	Manufacturer	Type (i.e., High Service, Well, Standby, etc.)	Rated Capacity (gallons per minute):	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
<b>Old Viola Booster</b>						
#1	Peerless	Booster	600	2000	Never	Never
#2	Peerless	Booster	600	2000	Never	Never
#3 - High Flow	Peerless	Booster	1,000	2000	Never	Never
<b>New Viola Booster</b>						
Jockey Pump	Peerless	Booster	50	1996	Never	Never
#1	Peerless	Booster	250	1996	Never	Never
#2	Peerless	Booster	250	1996	Never	Never
#3 - High Flow	Peerless	Booster	600	1996	Never	Never
<b>Legends Booster</b>						
#1 - Jockey Pump	Cornell	Booster	250	1996	Never	Never
#2	Cornell	Booster	1,100	1996	2018	2018
#3	Cornell	Booster	1,100	1996	2018	2018
#4 - High Flow	Cornell	Booster	1,100	1996	Never	2016
<b>Arbors Booster</b>						
#1	Grundfos	Booster	140	2016	Never	Never
#2	Grundfos	Booster	140	2016	Never	Never
#3	Grundfos	Booster	490	2016	Never	Never
#4	Grundfos	Booster	490	2016	Never	Never
#5	Cornell	Booster	1,500	2016	Never	Never
<b>Forby Booster</b>						
#1	Peerless	Booster	80	2006	Never	Never
#2	Peerless	Booster	80	2006	Never	Never
#3 - High Flow	Peerless	Booster	1,000	2006	Never	Never
<b>Neihoff Booster</b>						
#1	Grundfos	Booster	339	2011	Never	Never
#2	Grundfos	Booster	339	2011	Never	Never
#3 - High Flow	Grundfos	Booster	339	2011	Never	Never
<b>Brock Booster</b>						
#1 - Jockey Pump	Grundfos	Booster	20	2002	Never	Never
#2	Peerless	Booster	75	2002	Never	Never
#3	Peerless	Booster	75	2002	Never	Never
#4 - High Flow	Peerless	Booster	1,050	2002	Never	Never
<b>Emerald Forrest Booster</b>						
#1 - Jockey Pump	Grundfos	Booster	13	1998	Never	Never
#2	Grundfos	Booster	60	1998	Never	Never
#3	Grundfos	Booster	60	1998	Never	Never
#4 - High Flow	Cornell	Booster	1,000	1998	Never	Never

**PUMPS**  
**Garden City**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
3	Intake WEG / Carver 40 HP	300 GPM	1998	2022	2022
4	Intake WEG / Carver 40 HP	300 GPM	1998	2022	2022
5	UF Feed Pumps 20 HP	471 GPM	1998		
6	UF Backwash Pump 30 HP	650 GPM	1998		
7	Transfer Well Baldor 7.5 HP PACO Imp Dia 7.38		1957		
8	Transfer Well US Motor 10 HP PACO Imp Dia 7.38				
9	High Service Baldor 25 HP PACO Imp Dia 7.38	400 GPM	1957		
10	High Service WEG 25 HP	400 GPM			
11					
12					

**WELLS**

	Number:	Number:	Number:	Number:
14	Description (i.e., Deep, Artisian, Spring, etc.)			
15	Year Constructed			
16	Type of Construction			
17	Type of Casing			
18	Depth and Diameter of Well			
19	Yield of Well in Gallons per day			
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):			
21	Type -			
22	Cost -			
23	Quantity -			

Company Name: **Missouri-American Water Company**

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Golden Acres**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
1					
2					
3	Well 1	100 gpm	1990	2021	
4	Well 2	50 gpm	1990		
5					
6					
7					
8					
9					
10					
11					
12					

**WELLS**

	Number:	Number:	Number:	Number:
13				
14	Description (i.e., Deep, Artisian, Spring, etc.)	Well 1	Well 2	
15	Year Constructed	1968	1963	
16	Type of Construction	Deep	Deep	
17	Type of Casing	Steel	Steel	
18	Depth and Diameter of Well	441' x unknown	340' x unknown	
19	Yield of Well in Gallons per day	100 gpm	50 gpm	
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):			
21	Type -	Liquid Chlorine	Liquid Chlorine	
22	Cost -			
23	Quantity -	152 lb	152 lb	

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022



**PUMPS**  
**HICKORY HILLS OPERATIONS**

1	2	3	4	5	6	7	8	9	10	11	12
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)		Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement						
Well Pump		30	1975	2018	2018						

**WELLS**

13	14	15	16	17	18	19	20	21	22	23
		Number:	Number:	Number:	Number:					
Description (i.e., Deep, Artisan, Spring, etc.)		TP14149								
Year Constructed		1975								
Type of Construction		Hard Rock								
Type of Casing		Steel								
Depth and Diameter of Well		605' / 6"								
Yield of Well in Gallons per day										
Chemicals (i.e., Provide Type, Cost and Quantities of Each):										
Type -										
Cost -										
Quantity -										

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Jaxson Estates**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
Grundfos submersible well pump	510	01/01/07	NA	NA

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Number:	Number:	Number:	Number:
Description (i.e., Deep, Artisan, Spring, etc.)	Deep well #1			
Year Constructed	2007			
Type of Construction	Rock Hole			
Type of Casing	Steel			
Depth and Diameter of Well	1,550			
Yield of Well in Gallons per day				
Chemicals (i.e., Provide Type, Cost and Quantities of Each):	None			
Type -				
Cost -				
Quantity -				

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**JEFFERSON CITY OPERATIONS**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
1					
2					
3	L.S # 1 tag # RW-PVD-110	1,965 gpm	2011	2011	2011
	L.S # 2 tag # RW-PVD-120	1,965 gpm	2011	2011	2011
	L.S # 1 tag # RW-PVD-130	1,965 gpm	2011	2011	2011
4	L.S # 4 tag # RW-PVD-140	1,965 gpm	2011	2011	2011
	H.S. # 1	2,100 gpm	2020	2020	2020
5	H.S. # 2	2,100 gpm	2020	2020	2020
	H.S. # 3	2,100 gpm	2020	2020	2020
6	H.S. # 4	2,100 gpm	2020	2020	2020
	Schellridge # 1	300 gpm	1993	1993	1993
7	Schellridge # 2	300 gpm	1993	1993	1993
	Schellridge # 3	300 gpm	1993	1993	1993
8	Southwest # 1	900 gpm	2002	2002	2002
	Southwest # 2	900 gpm	2002	2002	2002
9	Southwest # 3	900 gpm	2002	2002	2002
	Bald Hill # 1	300 gpm	1954	1997	2020
10	Bald Hill # 2	500 gpm	1954	2003	2003
	Ellis # 1	600 gpm	2002	2002	2002
11	Ellis # 2	600 gpm	2002	2002	2002
12					

**WELLS**

	Number:	Number:	Number:	Number:
13				
14	Description (i.e., Deep, Artisian, Spring, etc.)			
15	Year Constructed			
16	Type of Construction			
17	Type of Casing			
18	Depth and Diameter of Well			
19	Yield of Well in Gallons per day			
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):			
21	Type -			
22	Cost -			
23	Quantity -			

Company Name: **Missouri-American Water Company**

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**PUMPS  
Joplin Operations**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
1					
2					
3	Intake Pump #1	5,560 gpm	April, 2007	N/A	N/A
	Intake Pump #2	5,560 gpm	April, 2007	N/A	N/A
	Intake Pump #3	4,170 gpm	April, 2007	N/A	N/A
4	Intake Pump #5	2,780 gpm	April, 2007	N/A	May, 2016
	Intake Pump #6	2,780 gpm	April, 2007	N/A	N/A
5	High Service #6	5,550 gpm	August, 1949	December, 1992	N/A
	High Service #8	4,200 gpm	March, 1982	N/A	December, 2008
6	High Service #9	2,800 gpm	March, 1982	November, 2005	November, 2020
	High Service #11	2,800 gpm	November, 2008	N/A	N/A
7	High Service #12	6,250 gpm	January, 2009	April, 2018	N/A
	Well #1	720 gpm	November, 1989	May, 2004	May, 2004
8	Well #3	550 gpm	August, 1991	December, 2019	December, 2019
	Well #4	500 gpm	March, 1997	October, 2018	November, 2006
9	Well #5	700 gpm	May, 2000	N/A	N/A
	Well #6	600 gpm	October, 2002	December, 2005	December, 2019
10	Well #7	1,050 gpm	June, 2003	N/A	November, 2006
	Well #8	675 gpm	October, 2014	June, 2018	N/A
11					
12					

**WELLS**

		Number: 1 (A-05144)	Number: 3 (A-13157)	Number: 4 (A-62273)	Number: 5 (A-89974)
13					
14	Description (i.e., Deep, Artisan, Spring, etc.)	Deep	Deep	Deep	Deep
15	Year Constructed	1988	1989	1996	2000
16	Type of Construction	Deep Rock Well	Deep Rock Well	Deep Rock Well	Deep Rock Well
17	Type of Casing	Steel	Steel	Steel	Steel
18	Depth and Diameter of Well	1,255' d X 10" dia	1,610' d X 10" dia	1,875' d X 12.25" dia	1,445' d X 12" dia
19	Yield of Well in Gallons per day	750,000 gpd	700,000 gpd	715,000 gpd	940,000 gpd
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):				
21	Type -	Hypochlorite, on-site generation	Gas chlorine	Gas chlorine	Gas chlorine
22	Cost -	19% aqueous ammonia	19% aqueous ammonia	19% aqueous ammonia	19% aqueous ammonia
			23% hydrofluorosilicic acid	23% hydrofluorosilicic acid	
		Hypochlorite 0	N/A	N/A	N/A
		Chlorine N/A	2,715.66	3,578.08	4,181.56
		Ammonia 0	722.05	975.1	1,157.45
		Fluoride N/A	0	0	N/A
23	Quantity -				
		Hypochlorite N/A	N/A	N/A	N/A
		Chlorine N/A	1269#	1672#	1954#
		Ammonia 0 #	2063#	2786#	3307#
		Fluoride N/A	0 #	0 #	N/A

**PUMPS**  
**Joplin Operations**

Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
Well #9	1,013 gpm	August, 2004	December, 2020	December, 2014
Well #10	790 gpm	December, 2014	November, 2015	November, 2015
Well #11	640 gpm	July, 2006	September, 2020	April, 2015
Well #12	500 gpm	December, 1977	Unknown	Unknown
Well #13	500 gpm	1989	Unknown	Unknown
Grundfos - Well 9	1,190 gpm	12/19/13	12/19/13	12/19/13
Grundfos - Well 8	700 gpm	10/20/14	05/30/18	05/30/18
Goulds - Well 10	500 gpm	12/29/14	12/29/14	12/29/14

**WELLS**

	Number: 6 (A-109430)	Number: 7 (A-121711)	Number: 8 (A-121712)	Number: 9 (A-126427)
Description (i.e., Deep, Artisan, Spring, etc.)	Deep	Deep	Deep	Deep
Year Constructed	2002	2003	2003	2004
Type of Construction	Deep Rock Well	Deep Rock Well	Deep Rock Well	Deep Rock Well
Type of Casing	Steel	Steel	Steel	Steel
Depth and Diameter of Well	1,500' d X 12.5" dia	1,504' d X 12.25" dia	1,550' d X 12.25" dia	1,495' d X 12.25" dia
Yield of Well in Gallons per day	690,000 gpd	1,070,000 gpd	750,000 gpd	1,300,000 gpd
Chemicals (i.e., Provide Type, Cost and Quantities of Each):				
Type -	Gas chlorine	Gas chlorine	Gas chlorine	Gas chlorine
Cost -	19% aqueous ammonia 23% hydrofluorosilicic acid	19% aqueous ammonia	19% aqueous ammonia	19% aqueous ammonia
Quantity -	Chlorine 1,793.32 Ammonia 1,086.40 Fluoride 0	4,528.24 1,418.20 N/A	3,678.66 894.25 N/A	3,997.52 1,082.90 N/A
	Chlorine 838# Ammonia 3104# Fluoride 0#	2116# 4052# N/A	1719# 2555# N/A	1868# 3094# N/A

Company Name: Missouri-American Water Company

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**PUMPS**  
**Joplin Operations**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Number: 10 (A-128853)	Number: 11 PWS WELL 17440	Number: 12 (A-008472)	Number: 13 (A-008972)
Description (i.e., Deep, Artisian, Spring, etc.)	Deep	Deep	Deep	Deep
Year Constructed	2005	2006	1977	1989
Type of Construction	Deep Rock Well	Deep Rock Well	Deep Rock Well	Deep Rock Well
Type of Casing	Steel	Steel	Steel	Steel
Depth and Diameter of Well	1,350' d X 12.25" dia	1,580' d X 12" dia	1,650' x 10" dia	1,205' x 10" dia
Yield of Well in Gallons per day	780,000 gpd	900,000 gpd		
Chemicals (i.e., Provide Type, Cost and Quantities of Each):				
Type -	Gas chlorine	Gas chlorine		
Cost -	19% aqueous ammonia	19% aqueous ammonia 23% hydrofluorosilicic acid		
	Chlorine 3,528.86	7,436.50	N/A	N/A
	Ammonia 961.8	1,964.20	N/A	N/A
	Fluoride N/A	0	N/A	N/A
Quantity -				
	Chlorine 1649#	3475#	N/A	N/A
	Ammonia 2748#	5612#	N/A	N/A
	Fluoride N/A	0	N/A	N/A

Company Name: **Missouri-American Water Company**

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**PUMPS**  
**Lake Carmel Operations**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Number:	Number:	Number:	Number:
Description (i.e., Deep, Artisan, Spring, etc.)	Lake Carmel - Deep Well			
Year Constructed	1973			
Type of Construction	Drilled			
Type of Casing	Galvanized			
Depth and Diameter of Well	345' x 6"			
Yield of Well in Gallons per day	86,400			
Chemicals (i.e., Provide Type, Cost and Quantities of Each):	Liquid Chlorine			
Type -	Bleach 12.5%			
Cost -	.091/lb			
Quantity -	300			

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**

**Tri County District - Lake Taneycomo & Lakewood Manor Operations**

1	2	3	4	5
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
3 Lake Taneycomo Well # 1	70 gpm	1973	2022	2021
4 Lake Taneycomo Well # 2	70 gpm	1977	2022	2022
5 Lakewood Manor Well # 1	70 gpm	1988		
6				
7				
8				
9				
10				
11				
12				

**WELLS**

13	Lake Taneycomo Number: 1 (WL:10827) MO5036198	Lake Taneycomo Number: 2 (WL:10828) MO5036198	Lakewood Manor Number: 1 (WL: 10865) MO5036020	Number:
14	Deep	Deep	Deep	
15	1973	1977	1988	
16	Drilled	Drilled	Drilled	
17	Steel	Steel	Steel	
18	570' d X 6" dia	580' d X 6" dia	860' d x 12" dia	
19	100,800	100,800	100,800	
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):			
21	Type - Liquid Chlorine			
22	Cost -			
23	Quantity - 152 lbs			

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022



**PUMPS**  
**Lawson District**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
1					
2					
3	Marathon 20 HP / Berkeley mod.B3TPMS	400 GPM	08/01/03	12/15/20	12/15/20
4	Marathon 20 HP / Berkeley mod. B3TPMS	400 GPM	08/01/03	12/15/20	12/15/20
5	Baldor 20 HP / Berkeley mod B3TPMS	400 GPM	unknown	unkown	unknown
6					
7					
8					
9					
10					
11					
12					

**WELLS**

	Number:	Number:	Number:	Number:
13				
14	Description (i.e., Deep, Artisian, Spring, etc.)			
15	Year Constructed			
16	Type of Construction			
17	Type of Casing			
18	Depth and Diameter of Well			
19	Yield of Well in Gallons per day			
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):			
21	Type -			
22	Cost -			
23	Quantity -			

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Maplewood**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
Maplewood Well # 1	65 gpm	1971		
Maplewood Well # 2	245 gpm	1974	2019	

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Maplewood Number: 1 (WL: 14137) MO3036131	Maplewood Number: 2 (WL: 14136) MO3036131	Number:	Number:
Description (i.e., Deep, Artisan, Spring, etc.)	Deep	Deep		
Year Constructed	1971	1974		
Type of Construction	Drilled	Drilled		
Type of Casing	Steel	Steel		
Depth and Diameter of Well	520' x 6" dia	810' x 6" dia		
Yield of Well in Gallons per day	0	267,840		
Chemicals (i.e., Provide Type, Cost and Quantities of Each):				
Type -				
Cost -				
Quantity -				

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS  
MEXICO OPERATIONS**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
3	Well #2	720 gpm	1924	04/27/18	04/23/18
4	Well #3	260 gpm	1947	09/01/21	09/01/21
5	Well #4	550 gpm	1948	10/15/16	04/01/10
6	Well #5	792 gpm	1958	03/28/18	11/01/17
7	Well #6	1022 gpm	1984	12/01/18	11/01/19
8	Well #7	1026 gpm	2000	05/01/20	05/01/20
9	High Service #1	1,090 gpm	1969	12/01/10	12/01/10
10	High Service #3	1,700 gpm	1969	10/01/21	11/01/19
11	High Service #5	975 gpm	1969	12/22/22	12/22/22
12	High Service #6	1,700 gpm	1969	10/01/12	03/01/00

**WELLS**

	Number: 2	Number: 3	Number: 4	Number: 5
13				
14	Deep	Deep	Deep	Deep
15	1924	1947	1948	1958
16	Rock/Concrete	Rock/Concrete	Rock/Concrete	Rock/Concrete
17	Steel	Steel	Steel	Steel
18	1,150' x 16"	1,200' x 16"	1,400' x 16"	1,500' x 16"
19	1,054,000 gpd	403,000 gpd	806,000 gpd	1,145,000 gpd
20	None	None	None	None
21	Type -			
22	Cost -			
23	Quantity -			

Company Name: **Missouri-American Water Company**

For the calendar year of January 1 - December 31 2022

**PUMPS  
MEXICO OPERATIONS**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
1					
2					
3	Highway 54 Booster #1	800 gpm	1996	12/22/22	12/22/22
4	Highway 54 Booster #2	800 gpm	1996	12/22/22	12/22/22
5	Backwash Pump	5,400 gpm	2000	08/01/08	08/01/08
6					
7					
8					
9					
10					
11					
12					

**WELLS**

		Number: 6	Number: 7	Number:	Number:
13					
14	Description (i.e., Deep, Artisan, Spring, etc.)	Deep	Deep		
15	Year Constructed	1984	2000		
16	Type of Construction	Rock/Concrete	Rock/Concrete		
17	Type of Casing	Steel	Steel		
18	Depth and Diameter of Well	1,500' / 20" - 16"	1,500' / 20" - 16"		
19	Yield of Well in Gallons per day	1,497,000 gpd	1,480,000 gpd		
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):	None	None		
21	Type -				
22	Cost -				
23	Quantity -				

Company Name: **Missouri-American Water Company**

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**PUMPS**  
**Monsees Lake Estates**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
28	29	30	31	32
33	34	35	36	37
38	39	40	41	42
43	44	45	46	47
48	49	50	51	52
53	54	55	56	57
58	59	60	61	62
63	64	65	66	67
68	69	70	71	72
73	74	75	76	77
78	79	80	81	82
83	84	85	86	87
88	89	90	91	92
93	94	95	96	97
98	99	100	101	102

Company Name: **Missouri-American Water Company**

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Tri County District - Ozark Mountain 1, 2 and 3 Operations**

1	2	3	4	5
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
3	Ozark Mountain 1	150 gpm	1971	2013
4	Ozark Mountain 2	320 gpm	2004	2021
5	Ozark Mountain 2 (Backup)	75 gpm	1974	2018
6	Ozark Mountain 3 - Groundfos, electric (backup)	40 gpm	2017	
7	Ozark Mountain 3 - Groundfos, electric	310 gpm	2017	
8				
9				
10				
11				
12				

**WELLS**

13	Ozark Mtn #1 Number: 1 (WL:13150) MO5036177	Ozark Mtn #2 Number: 1 (WL:13148) MO5036163	Ozark Mtn #2 (Backup) Number: 2 (WL: 16980) MO5036163	Ozark Mtn #3 Number: 3 (WL: 13149) MO5036162
14	Description (i.e., Deep, Artisian, Spring, etc.)	Deep	Deep	Deep
15	Year Constructed	1971	2004	1974
16	Type of Construction	Drilled	Drilled	Drilled
17	Type of Casing	Steel	Steel	Steel
18	Depth and Diameter of Well	553' d X 6" dia	1010' X 10" dia	750' x unknown
19	Yield of Well in Gallons per day	216,000	576,000	720,000
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):			
21	Type -	Liquid Chlorine	Liquid Chlorine	Liquid Chlorine
22	Cost -			
23	Quantity -	152 lbs	152 lbs	152 lbs

Company Name: Missouri-American Water Company

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**PUMPS**  
**Tri County District - Ozark Mountain 1, 2 and 3 Operations**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Ozark Mtn #3 Number: 3 (WL: ) MO5036162	Number:	Number:	Number:
Description (i.e., Deep, Artisan, Spring, etc.)	Deep			
Year Constructed	2017			
Type of Construction	Drilled			
Type of Casing	Steel			
Depth and Diameter of Well	1200' x 6" dia			
Yield of Well in Gallons per day				
Chemicals (i.e., Provide Type, Cost and Quantities of Each):				
Type -	Liquid Chlorine			
Cost -				
Quantity -	152 lbs			

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Orrick**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
1	N/A no pumps				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

**WELLS**

	Number:	Number:	Number:	Number:
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022



**PUMPS**  
**Parkville Operations**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
3	Well #3	RETIRED	1951	N/A	1,990 62ft of 10" liner installed
4	Well #4	1,111 GPM	1967	N/A	Treatment in 1997
5	Well #5	RETIRED	1975	03/01/11	Failed rehab in 2015
6	Well # 6	1,950 GPM	1992	2009	Rehab and treatment in 2009
7	Well # 7	2,100 GPM	2017	N/A	N/A
8	NEW - Well # 8	2,100 GPM	2019	N/A	N/A
9	High Service #1 NEW PLANT-High Service #1	RETIRED 1,736 GPM	N/A 2017	03/01/15 N/A	42064 N/A
10	High Service #2 NEW PLANT-High Service #2	RETIRED 1,736 GPM	1969 2017	12/01/13 N/A	Rehab Pump Dec-13 N/A
11	High Service #3 NEW PLANT-High Service #3	RETIRED 1,736 GPM	N/A 2017	03/01/11 N/A	34700 N/A

**WELLS**

	Number:	Number:	Number:	Number:
14	Description (i.e., Deep, Artisan, Spring, etc.)	Deep Well 3 Retired	Deep Well 4	Deep Well 5 Retired
15	Year Constructed	1951	1967	1975
16	Type of Construction	Drilled	Drilled	Drilled
17	Type of Casing	Steel	Steel	Steel
18	Depth and Diameter of Well	87' x 12"	98.5' x 18"	99' x 18"
19	Yield of Well in Gallons per day	720,000	1,599,840	2,160,000
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):	None	None	None
21	Type -			
22	Cost -			
23	Quantity -			

Company Name: Missouri-American Water Company

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**PUMPS**  
**Parkville Operations**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Number:	Number:	Number:	Number:
Description (i.e., Deep, Artisan, Spring, etc.)	Deep Well 7	Deep Well 8		
Year Constructed	2017	2019		
Type of Construction	Drilled	Drilled		
Type of Casing	Steel	Steel		
Depth and Diameter of Well	82' x 24"	130' x 24"		
Yield of Well in Gallons per day	3,024,000	5,000,000		
Chemicals (i.e., Provide Type, Cost and Quantities of Each):	None	None		
Type -				
Cost -				
Quantity -				

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Pevely Farms**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
3	High Service Pump 1	450 gpm	2020	N/A	N/A
	High Service Pump 2	450 gpm	2020	N/A	N/A
4	Low Lift Pump 1	450 gpm	2020	N/A	N/A
	Low Lift Pump 2	450 gpm	2020	N/A	N/A
5	Well 1 Pump	250 gpm	2001	2018	2018
	Well 2 Pump	300 gpm	2018	2018	2018
6					
7					
8					
9					
10					
11					
12					

**WELLS**

	Well 1	Well 2	Number:	Number:
13				
14	Description (i.e., Deep, Artisan, Spring, etc.)	Alluvial	Alluvial	
15	Year Constructed	2001	2001	
16	Type of Construction	Reverse rotary drilling	Reverse rotary drilling	
17	Type of Casing	steel	steel	
18	Depth and Diameter of Well	54' deep 8" diameter	60' deep 8" diameter	
19	Yield of Well in Gallons per day	0.36	0.36	
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):	N/A	N/A	
21	Type -			
22	Cost -			
23	Quantity -			

Company Name: **Missouri-American Water Company**

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Pom-O-Sa Operations**

1	2			
3	4	5	6	7
8	9	10	11	12
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
Goulds 98F1KDO 5 HP Booster pump				
Wello #1 Pump, unknown type	50 GPM			
Well #2, unknown type	50 GPM			

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Number:	Number:	Number:	Number:
Description (i.e., Deep, Artisan, Spring, etc.)	Deep	Deep		
Year Constructed	1954	2007		
Type of Construction				
Type of Casing	Steel	Steel		
Depth and Diameter of Well	418 FT - 6" Dia.	420 FT - 6" Dia		
Yield of Well in Gallons per day	unknown	250 GPM		
Chemicals (i.e., Provide Type, Cost and Quantities of Each):	N/A			
Type -		12.5% NaOCl		
Cost -				
Quantity -		Apprx. 1 gallon per week		

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**

**Purcell**

1	2	3	4	5
2	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement
3	Well #2 Alba/Purcell Well Active	500 gpm	1979	
4	Well #3 Park Well Inactive	400 gpm	2000	
5				
6				
7				
8				
9				
10				
11				
12				

**WELLS**

13	14	15	16	17
13	Description (i.e., Deep, Artisian, Spring, etc.)	Number:	Number:	Number:
14	Description (i.e., Deep, Artisian, Spring, etc.)	Well 2	Well 3	
15	Year Constructed	1979	2000	
16	Type of Construction	Deep	Deep	
17	Type of Casing	Steel	Steel	
18	Depth and Diameter of Well	1,100' x 10"	1,100' x 10"	
19	Yield of Well in Gallons per day	100 gpm	50 gpm	
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):			
21	Type -	12.5% Sodium Hypochlorite (Bleach)	Not at this time	
22	Cost -	\$0.327/lb	\$0.327/lb	
23	Quantity -	152 lb	152 lb	

Company Name: **Missouri-American Water Company**

For the calendar year of January 1 - December 31 2022

**PUMPS**

**Tri County District - Rankin Acres & Riverside Estates Operations**

1	2	3	4	5
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
Rankin Acres Well # 1	80 gpm	1965	2021	2021
Riverside Estates Well # 2	450 gpm	2004		

**WELLS**

13	Rankin Acres Number: 1 (WL: 14800) MO5036147	Riverside Estates Number: 2 (WL: 16869) A124784	Number:
14	Description (i.e., Deep, Artisan, Spring, etc.)	Deep	Deep
15	Year Constructed	1965	2004
16	Type of Construction	Drilled	Drilled
17	Type of Casing	Steel	Steel
18	Depth and Diameter of Well	550' d X 6" dia	1,110' x unknown
19	Yield of Well in Gallons per day	115,200	1,440,000
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):		
21	Type -	Liquid Chlorine	Liquid Chlorine
22	Cost -		
23	Quantity -	152 lbs	558 lbs

Company Name: **Missouri-American Water Company**

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Redfield Operations**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
Unknown	300	08/15/00	acquired	acquired

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Number:	Number:	Number:	Number:
Description (i.e., Deep, Artisan, Spring, etc.)	Deep			
Year Constructed	2000			
Type of Construction	Steel			
Type of Casing	Steel			
Depth and Diameter of Well	925 / 6"			
Yield of Well in Gallons per day	Na			
Chemicals (i.e., Provide Type, Cost and Quantities of Each):				
Type -	Bleach 12.5%			
Cost -				
Quantity -	.081 /gal			

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Rogue Creek**

1	2	3	4	5
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
3 Submersible pump	25 gpm	2016		
4 GrundFROS HYDRO MPC-EC Booster Pump	30 GPM	2020		
5 GrundFROS HYDRO MPC-EC Booster Pump	30 GPM	2020		
6				
7				
8				
9				
10				
11				
12				

**WELLS**

13	14	15	16	17
	Number:	Number:	Number:	Number:
14 Description (i.e., Deep, Artisan, Spring, etc.)	Deep			
15 Year Constructed	1972			
16 Type of Construction	drilled			
17 Type of Casing	Steel			
18 Depth and Diameter of Well	284' X 42'			
19 Yield of Well in Gallons per day				
20 Chemicals (i.e., Provide Type, Cost and Quantities of Each):				
21 Type -	salt			
22 Cost -				
23 Quantity -				

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022



**PUMPS**  
**Tri County District - Saddlebrooke Operations**

1	2	3	4	5	6	7	8	9	10	11	12
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)		Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement						
Saddlebrook Well # 1		750 gpm	2003	2015	2015						

**WELLS**

13	Saddlebrooke MO5031375	Number:	Number:	Number:
14	Description (i.e., Deep, Artisan, Spring, etc.)	Deep		
15	Year Constructed	2003		
16	Type of Construction	Deep Rock Well Steel		
17	Type of Casing			
18	Depth and Diameter of Well	1,400' x 10" dia		
19	Yield of Well in Gallons per day	1,080,000		
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):			
21	Type -	Liquid chlorine		
22	Cost -			
23	Quantity -	558 lbs		

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Tri County District - Spokane Operations**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
Spokane Well	105 gpm	01/01/94	2020	2020

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Saddlebrooke MO5031375	Number:	Number:	Number:
Description (i.e., Deep, Artisan, Spring, etc.)	Deep			
Year Constructed	1994			
Type of Construction	Deep Steel			
Type of Casing				
Depth and Diameter of Well	1,500' x 12"			
Yield of Well in Gallons per day	115,200			
Chemicals (i.e., Provide Type, Cost and Quantities of Each):				
Type -	Liquid Chlorine			
Cost -				
Quantity -	152 lbs			

Company Name: **Missouri-American Water Company**

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**ST. CHARLES OPERATIONS**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
1	AURORA-HARVESTER RD - PUMP #1	2,300			
2	AURORA-HARVESTER RD - PUMP #2	5,000			
3	A.C.-HARVESTER RD - PUMP #3	4,000			
4	CORNELL-EHLMAN RD - PUMP #1	5,00			
5	CONNELL-EHLMAN RD - PUMP #2	1,000			
6	INGERSOLL-RAND-WELDON SPRING - PUMP #1	3,500			
7	INGERSOLL-RAND-WELDON SPRING - PUMP #2	3,500			
8	AURORA-WELDON SPRING - PUMP #3	9,600			
9	AURORA-WELDON SPRING - PUMP #4	500			
10	AURORA-WELDON SPRING - PUMP #5	500		09/18/18	09/18/19
11	GARDENER DENVER-TOWERS RD - PUMP #1	2,000			
12	AURORA-TOWERS RD - PUMP #2	1,600			
13	AURORA-WHITMOOR - PUMP #1	400			
14	AURORA-WHITMOOR - PUMP #2	400			
15	PEERLESS-WHITMOOR - PUMP #3	850			
16	AURORA-GREENS BOTTOM - PUMP #2	5,208			
17	AURORA-GREENS BOTTOM - PUMP #3	3472			
18	AURORA-CAMELOT - PUMP #1	70			
19	PEERLESS-CAMELOT - PUMP #2	1,250			
20	PEERLESS-CAMELOT - PUMP #3	1,250			
21	AURORA-KNAUST ROAD - PUMP #1	900			
22	AURORA-KNAUST ROAD - PUMP #2	400			

**WELLS**

	Number:	Number:	Number:	Number:
13				
14	Description (i.e., Deep, Artisan, Spring, etc.)	None		
15	Year Constructed			
16	Type of Construction			
17	Type of Casing			
18	Depth and Diameter of Well			
19	Yield of Well in Gallons per day			
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):			
21	Type -			
22	Cost -			
23	Quantity -			

Company Name: **Missouri-American Water Company**

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**ST. JOSEPH OPERATIONS**

1	2	3	4	5
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
3 VERTICAL WELL PUMPS PUMPS 1 -7	2,600 GPM	2000	Well# 5 2022	Well#5 2022
4 HORIZONTAL COLLECTOR WELL PUMPS 5 PUMPS 1, 2 & 3	4,400 GPM	2000	Well #9 2020	NA
6 WATER TREATMENT PLANT				
7 DISTRIBUTIVE PUMP 1	7,100	2000	2020	2010
8 DISTRIBUTIVE PUMP 2	10,393	2000	NA	2009
9 DISTRIBUTIVE PUMP 3	7,100	2000	NA	2008
10 DISTRIBUTIVE PUMP 4	9,730	2000	NA	NA

**WELLS**

13	14	15	16	17	18	19	20	21	22	23
	Description (i.e., Deep, Artisian, Spring, etc.)	Year Constructed	Type of Construction	Type of Casing	Depth and Diameter of Well	Yield of Well in Gallons per day	Chemicals (i.e., Provide Type, Cost and Quantities of Each):	Type -	Cost -	Quantity -
	Deep	1999	Drilled	Carbon Steel	84' x 36"	3.4 MGD	NA	NA	NA	NA
	Deep	1999	Drilled	Carbon Steel	84' x 36"	3.4 MGD	NA	NA	NA	NA
	Deep	1999	Drilled	Carbon Steel	84' x 36"	3.4 MGD	NA	NA	NA	NA
	Deep	1999	Drilled	Carbon Steel	83' x 36"	3.4 MGD	NA	NA	NA	NA

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**ST. JOSEPH OPERATIONS**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Number: 5	Number: 6	Number: 7	Number: 8
Description (i.e., Deep, Artisan, Spring, etc.)	Deep	Deep	Deep	Deep
Year Constructed	1999	1999	1999	1999
Type of Construction	Drilled	Drilled	Drilled	Collector well
Type of Casing	Carbon Steel	Carbon Steel	Carbon Steel	Concrete
Depth and Diameter of Well	79' x 36"	82' x 36"	86' x 36"	110' x 20"
Yield of Well in Gallons per day	3.4 MGD	3.4 MGD	3.4 MGD	3.4 MGD
Chemicals (i.e., Provide Type, Cost and Quantities of Each):	NA	NA	NA	NA
Type -	NA	NA	NA	NA
Cost -	NA	NA	NA	NA
Quantity -	NA	NA	NA	NA

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**St. Louis County Operations**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
1	See Attached (St. Louis Pg W-18)				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

**WELLS**

	Number:	Number:	Number:	Number:
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

## St. Louis County Operations

Identification number, description, etc of each pump:	Manufacturer	Type (i.e., High Service, Well, Standby, etc.)	Rated Capacity (gallons per minute):	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
<b>Central Plant</b>						
C/D Intakes - No. 9	Johnston	Intake	20,000	1993	Never	2010
C/D Intakes - No. 10	Johnston	Intake	20,000	1993	Never	2016
C/D Intakes - No. 11	Johnston	Intake	20,000	1993	Never	2007
C/D Intakes - No. 12	Johnston	Intake	20,000	1993	Never	2015
NO PUMP INSTALLED - No. 13	Empty	N/A	N/A	N/A	N/A	N/A
C/D Intakes - No. 14	Johnston	Intake	20,000	1993	Never	2012
Electric Station Pump Room - No. 6	Allis Chalmers	Low Lift	13,500	1937	2021	Never
Electric Station Pump Room - No. 7	Allis Chalmers	Low Lift	13,500	1937	2022	Never
Electric Station Pump Room - No. 7	Allis Chalmers	Low Lift	11,600	1937	Never	Never
Electric Station Pump Room - No. 8	Allis Chalmers	Low Lift	13,500	1937	Never	Never
Shop - No. 9	Byron Jackson	Low Lift	14,200	1950	Never	Never
Filter Plant 2 Pump Room - No. 13	Allis Chalmers	Low Lift	10,000	1954	2022	2022
Filter Plant 2 Pump Room - No. 14	Allis Chalmers	Low Lift	10,000	1954	Never	Never
Filter Plant 2 Pump Room - No. 15	Allis Chalmers	Low Lift	17,000	1954	Never	Never
Filter Plant 1 - No. 1	Weinman	Wash Water	1,600	2021	2021	2021
<del>Filter Plant 2 Pump Room - No. 2</del>	<del>Allis Chalmers</del>	<del>Wash Water</del>	<del>13,000</del>	<del>1954</del>	<del>Never</del>	Removed from Service
Filter Plant 2 WW Vault - No. 3	Fairbanks	Wash Water	3,937	1998	Never	Never
MSD Connection - No. 1	Flygt	Sewer	50	1998	Never	Never
MSD Connection - No. 2	Flygt	Sewer	50	1998	Never	Never
Manhole W - No. 1	Flygt	Sewer	10,000	1994	Never	Never
Manhole W - No. 2	Flygt	Sewer	10,000	1994	Never	Never
Electric Station Pump Room - No. 1	Ingersoll Rand	High Service	12,500	1931	Never	Never
Electric Station Pump Room - No. 2	Ingersoll Rand	High Service	12,500	1931	Never	Never
HSL Pump Station - No. 1	Flowserve	High Service	10,410	2015	Never	Never
HSL Pump Station - No. 2	Flowserve	High Service	15,615	2015	Never	Never
HSL Pump Station - No. 3	Flowserve	High Service	10,410	2015	Never	Never
HSL Pump Station - No. 4	Flowserve	High Service	15,615	2015	Never	Never
Filter Plant 2 Pump Room - No. 10	Allis Chalmers	High Service	17,500	1954	2014	1st Stage 2002
Filter Plant 2 Pump Room - No. 11	Worthington	High Service	11,000	1954	2014	2nd Stage 1994
Filter Plant 2 Pump Room - No. 12	Worthington	High Service	8,700	1954	2014	Never

## St. Louis County Operations

## Pg W-18 St. Louis Attachment - Pumps January 1 - December 31, 2022

Identification number, description, etc of each pump:	Manufacturer	Type (i.e., High Service, Well, Standby, etc.)	Rated Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
			(gallons per minute):			
<b>North Plant</b>						
West Intakes - No. 1	Johnston	Intake	9,500	1994	2022	2022
West Intakes - No. 2	Peer	Intake	8,500	1955	2019	2018
West Intakes - No. 3	Peer	Intake	8,500	1955	2019	2018
West Intakes - No. 4	Johnston	Intake	8,500	1955	2007	2007
East Intakes - No. 5	Ingersoll Rand	Intake	14,800	1991	2014	2022
East Intakes - No. 6	Layne-Bowler	Intake	16,000	1991	2018	2019
East Intakes - No. 7	Layne-Bowler	Intake	16,000	1991	2016	2016
East Intakes - No. 8	Ingersoll Rand	Intake	14,800	1991	2018	2019
Pump Room - No. 1	Peer	High Service	8,333	1955	1st Stage 2006, 2nd stage 2019	2019
Pump Room - No. 2	Peer	High Service	8,333	1955	1st Stg 2019, 2nd Stg 2019	Rebuilt 2019
Pump Room - No. 3	Peer	High Service	8,333	1955	1st Stage 2006, 2nd Stg 2015	Never
Pump Room - No. 4	Peer	High Service	8,333	1955	1st Stage 2006 2nd Stg 2020	Never
East Basin - No. 7	Ingersoll Rand	High Service	7,639	1991	Never	2008
East Basin - No. 8	Ingersoll Rand	High Service	7,639	1992	2008	2008
East Basin - No. 9	Ingersoll Rand	High Service	7,639	1991	Rewound motor 2018	2010
East Basin - No. 10	Ingersoll Rand	High Service	7,639	1992	Rewound motor 2018	2010
East Basin - No. 11	Ingersoll Rand	High Service	7,639	1991	Never	2011
East Basin - No. 12	Ingersoll Rand	High Service	7,639	1992	2015	2015
Pump Room - No. 1	Ingersoll Rand	Wash Water	2,000	1955	Never	Never
East HS Vault - No. 2	Worthington	Wash Water	2,000	1963	Never	Never
Rewash Pump 1	Weinman	Sewer/Rewash	2,000	2020		
Rewash Pump 2	Weinman	Sewer/Rewash	2,000	2020	Never	Never
West Basin - W.	Floway	Chemical Distribution	1,430	1999	Never	Never
West Basin - E.	Pentar	Chemical Distribution	1,140	2015	2015	2015
<b>South Plant</b>						
Intakes Cassion 1 - No. 1	Ingersoll Rand	Intake	5,700	1986	Never	2022
Intakes Cassion 2 - No. 2	Ingersoll Rand	Intake	5,700	1986	Never	2022
Intakes Cassion 3 - No. 3	KSB Submersible	Intake	5,700	2019	2022	2022
Intakes Cassion 4 - No. 4	Ingersoll Rand	Intake	5,700	1986	2019	2019
Intakes Cassion 5 - No. 5	Goulds	Intake	5,300	1988	2021	2021
Intakes Cassion 6 - No. 6	Goulds	Intake	5,300	1988	2022	2022
Intakes Cassion 7 - No. 7	KSB Submersible	Intake	5,700	2020	Never	2021
Pump Room - No. 1	Worthington	High Service	4,950	1956	2010	2009
Pump Room - No. 2	Worthington	High Service	4,950	1956	Never	2019
Pump Room - No. 3	Worthington	High Service	4,950	1956	Never	2008
Pump Room - No. 4	Worthington	High Service	4,950	1956	Never	2007
Pump Room - No. 5	Worthington	High Service	4,950	1960	Never	2015
Pump Room - No. 6	Worthington	High Service	4,950	1960	Never	2008
Pump Room - No. 7	Worthington	High Service	4,950	1960	1998	2019
Pump Room - No. 8	Goulds	High Service	4,865	1960	Never	2012
Pump Room - No. 1	Ingersoll Rand	Wash Water	2,500	1994	Never	Never
Pump Room - No. 2	Ingersoll Rand	Wash Water	2,500	1994	Never	Never
South Basin - No. 1	ing 8D-900 Submer	Chemical Distribution	1,000	2020	Never	Never
North Basin - No. 2	Peer 2-Sp.	Chemical Distribution	3,000	1960	Never	Never



## St. Louis County Operations

## Pg W-18 St. Louis Attachment - Pumps January 1 - December 31, 2022

Identification number, description, etc of each pump:	Manufacturer	Type (i.e., High Service, Well, Standby, etc.)	Rated Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
			(gallons per minute):			
<b>Ross Booster</b>						
Pump Room - No. 1	Ingersoll Rand	Distribution Booster	15,000	1949	2017	Never (rebuilt)
Pump Room - No. 2	Ingersoll Rand	Distribution Booster	15,000	1949	2017	Never (rebuilt)
Pump Room - No. 3	Ingersoll Rand	Distribution Booster	15,000	1949	2017	Never (rebuilt)
Pump Room - No. 4	Ingersoll Rand	Distribution Booster	2,400	1949	2007	Never
<b>Central Plant 3</b>						
A Intakes - No. 1	Johnston	Intake	17,500	1999	Never	2007
A Intakes - No. 2	Aurora	Intake	17,500	1985	2018	2018
A Intakes - No. 3	Johnston	Intake	10,250	1967	2022	2022
A Intakes - No. 4	Aurora	Intake	17,500	2019	2019	2019 (rebowl)
B Intakes - No. 5	Aurora	Intake	17,500	1986	Never	2018
B Intakes - No. 6	Johnston	Intake	10,250	1967	Never	2006
B Intakes - No. 7	Aurora	Intake	17,500	1986	Never	2011
B Intakes - No. 8	Layne	Intake	20,000	1993	2019	2016
A Basin - No. 1	Johnston	High Service	6,200	1971	2021	2021
A Basin - No. 2	Johnston	High Service	6,200	1971	2022	2022
A Basin - No. 3	Johnston	High Service	6,200	1971	2022	2022
A Basin - No. 4	Goulds	High Service	8,400	1982	Never	2006
A Basin - No. 5	Layne	High Service	8,450	1984	1998	1984
A Basin - No. 6	Goulds	High Service	8,400	1982	2020	2006
B Basin - No. 7	Johnston	High Service	6,200	1971	Never	2011
B Basin - No. 8	Johnston	High Service	6,200	1971	2022	2022
B Basin - No. 9	Johnston	High Service	6,200	1971	Never	2008
B Basin - No. 10	Layne	High Service	8,400	1986	Never	2009
B Basin - No. 11	Layne	High Service	8,400	1984	2022	2022
B Basin - No. 12	Layne	High Service	8,400	1986	Never	2009
A Diesel Building - No. A	Goulds	High Service	8,300	1986	2001	Never
B Diesel Building - No. B	Goulds	High Service	8,300	1986	Never	Never
A Basin - B HS Vault - No. 1	Worthington	Wash Water	4,000	1968	2009	Never
B Basin - E HS Vault - No. 2	Weinman	Wash Water	4,000	2018	2018	2018
A Basin - No. 1	Johnston	Chemical Distribution	2,400	1968	Never	Never
A Basin - No. 2	Johnston	Chemical Distribution	2,400	1968	Never	Never
B Basin - No. 3	National Pump Co	Chemical Distribution	2,400	1968	2021	2021
B Basin - No. 4	National Pump Co	Chemical Distribution	2,400	1971	2021	2021
Manhole P - No. 1	Ebara	Sewer	10,000	2015	2015	2015
Manhole P - No. 2	Ebara	Sewer	10,000	2017	2017	2017
A Basin - No. 1	Johnston	Circulation	400	1968	Never	Never
A Basin - No. 2	Johnston	Circulation	400	1968	Never	Never

## Pg W-18 St. Louis Attachment - Pumps January 1 - December 31, 2022

## St. Louis County Operations

Pg W-18 St. Louis Attachment - Pumps January 1 - December 31, 2022						
Identification number, description, etc of each pump:	Manufacturer	Type (i.e., High Service, Well, Standby, etc.)	Rated Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
			(gallons per minute):			
<b>Meramec Plant</b>						
Cassion 2 - No. 1	Johnston	Intake	8,200	1990	2015	2015
Cassion 2 - No. 2	Johnston	Intake	8,200	1990	2013	Never
Cassion 2 - No. 3	Johnston	Intake	8,200	1990	2008	2008
Cassion 1 - No. 4	Ingersoll Rand	Intake	8,200	1989	2020	2007
Cassion 1 - No. 5	Ingersoll Rand	Intake	8,200	2022	2022	2022
Cassion 1 - No. 6	Ingersoll Rand	Intake	8,200	2021	2021	2021
- No. 1	Cornell	Wash Water	1,250	2017	2017	2017
- No. 2	Weinman	Wash Water	1,000	2020	2020	2020
- No. 3	Weinman	Wash Water	1,100	2020	2020	2020
A Basin - No. 1	Johnston	Chemical Distribution	1,000	1974	Never	2008
B Basin - No. 2	Johnston	Chemical Distribution	1,000	1977	Never	Never
C Basin - No. 3	Johnston	Chemical Distribution	1,000	1985	2016	Never
D Basin - No. 4	Goulds	Chemical Distribution	1,000	1989	Never	Never
A Basin - No. 1	Johnston	High Service	2,800	1974	Never	2005
A Basin - No. 2	Johnston	High Service	2,800	1974	2019	2019
A Basin - No. 3	Johnston	High Service	2,800	1974	2019	2019
A Basin - No. 4	Johnston	High Service	2,800	1974	Never	2018
B Basin - No. 5	Johnston	High Service	2,950	1977	Never	2007
B Basin - No. 6	Johnston	High Service	2,950	1977	Never	2014
B Basin - No. 7	Johnston	High Service	2,950	1977	Never	2005
B Basin - No. 8	Johnston	High Service	2,950	1977	Never	2019
C Basin - No. 9	Ingersoll Rand	High Service	2,950	1985	2015	2015
C Basin - No. 10	Ingersoll Rand	High Service	2,950	1985	Never	2008
C Basin - No. 11	Ingersoll Rand	High Service	2,950	1985	2020	2018
C Basin - No. 12	Ingersoll Rand	High Service	2,950	1985	2019	2015
D Basin - No. 13	Ingersoll Rand	High Service	2,950	1989	2020	2016
D Basin - No. 14	Ingersoll Rand	High Service	2,950	1989	2019	2007
D Basin - No. 15	Ingersoll Rand	High Service	2,950	1989	2018	1998
D Basin - No. 16	Ingersoll Rand	High Service	2,950	1989	Never	2016
<b>Lackland Booster</b>						
Pump Room - No. 1	Peer	Distribution Booster	8,800	1954	Never	Never
Pump Room - No. 2	Peer	Distribution Booster	8,800	1954	Never	Never
Pump Room - No. 3	Peer	Distribution Booster	8,800	1954	Never	Never
Pump Room - No. 4	Peer	Distribution Booster	8,800	1954	Never	Never
<b>Stratmann Station</b>						
Stratmann - No. 1	Patterson	Distribution Booster	9,722	2021	2021	2021
Stratmann - No. 2	Patterson	Distribution Booster	9,722	2021	2021	2021
Stratmann - No. 3	Patterson	Distribution Booster	9,722	2021	2021	2021
Stratmann - No. 4	Patterson	Distribution Booster	9,722	2021	2021	2021
Stratmann - No. 5	Patterson	Distribution Booster	9,722	2021	2021	2021
Stratmann - No. 6	Patterson	Distribution Booster	9,722	2021	2021	2021

## St. Louis County Operations

## Pg W-18 St. Louis Attachment - Pumps January 1 - December 31, 2022

Identification number, description, etc of each pump:	Manufacturer	Type (i.e., High Service, Well, Standby, etc.)	Rated Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
			(gallons per minute):			
<b>Distribution Tank Sites / Booster Stations</b>						
AFTN #2 - No. 1	Allis Chalmers	Distribution	2,500	1967	Never	Never
AFTN #2 - No. 2	Allis Chalmers	Distribution	2,500	1967	Never	Never
AFTN #2 - No. 3	Allis Chalmers	Distribution	2,500	1967	Never	Never
AFTN #2 - No. 4	Allis Chalmers	Distribution	2,500	1967	(Rebuilt) 2018	(Rebuilt)2018
<del>AFTN #1 - No. 5</del>	<del>Allis Chalmers</del>	<del>Distribution</del>	<del>2,500</del>	<del>N/A</del>	<del>N/A</del>	<del>N/A</del>
<del>AFTN #1 - No. 6</del>	<del>Allis Chalmers</del>	<del>Distribution</del>	<del>2,500</del>	<del>N/A</del>	<del>N/A</del>	<del>N/A</del>
AIRP - No. 1	Allis Chalmers	Distribution	3,850	1981	Never	Never
AIRP - No. 2	Allis Chalmers	Distribution	3,850	1981	Never	Never
AIRP - No. 3	Fairbanks Morse	Distribution	5,900	N/A	N/A	N/A
BOHN - No. 2	Ingersoll Rand	Distribution	2,500	1955	Never	Never
BOHN - No. 3	Ingersoll Rand	Distribution	2,500	1955	Never	Never
BOHN - No. 4	Ingersoll Rand	Distribution	2,500	1955	Never	Never
BOHN - No. 5	Ingersoll Rand	Distribution	2,500	1955	Never	Never
BXBS - No. 1	Franklin	Distribution	3,250	2018	2018	2018
BXBS - No. 2	Franklin	Distribution	3,250	2018	2018	2018
BXBS - No. 3	Weinman	Distribution	4,200	2018	2018	2018
BXBS - No. 4	Franklin	Distribution	3,250	2018	2018	2018
BXTK - No. 1	Allis Chalmers	Distribution	2,100	1968	2019	2019
BXTK - No. 2	Allis Chalmers	Distribution	2,100	1968	2019	2019
BXTK - No. 3	Allis Chalmers	Distribution	2,100	1968	2019	2019
BXTK - No. 4	Weinman	Distribution	2,200	2018	2019	2019
CARM - No. 1	Ingersoll Rand	Distribution	2,500	1975	Never	Never
CARM - No. 2	Allis Chalmers	Distribution	2,500	1977	Never	Never
CARM - No. 3	Berkeley	Distribution	2,500	2010	2010	2010
CARM - No. 4	Allis Chalmers	Distribution	2,500	1981	Never	Never
CFLD - No. 1	Aurora	Distribution	4,500	2015	2015	2015
CFLD - No. 2	Fairbanks	Distribution	7,000	1996	2019	N/A
CFLD - No. 3	Aurora	Distribution	4,500	2015	2015	2015
CHRY - No. 1	Fairbanks	Distribution	2,000	1989	Never	Never
CHRY - No. 2	Fairbanks	Distribution	2,000	1989	Never	Never
CHRY - No. 3	Fairbanks	Distribution	2,000	1989	Never	Never
CHRY - No. 4	Fairbanks	Distribution	2,000	1989	Never	Never
CLAM - No. 1	Mueller	Distribution	2,800	1986	1986	1986
CLAM - No. 2	Mueller	Distribution	2,800	1986	1986	1986
CLAT - No. 1	Allis Chalmers	Distribution	2,400	1962	Never	Never
CLAT - No. 2	Allis Chalmers	Distribution	2,400	1962	Never	Never
CLAT - No. 3	Allis Chalmers	Distribution	2,050	1962	Never	Never
CLAT - No. 4	Allis Chalmers	Distribution	2,050	1962	Never	Never
FEFE - No. 1	Allis Chalmers	Distribution	2,900	2019	2019	2019

## St. Louis County Operations

## Pg W-18 St. Louis Attachment - Pumps January 1 - December 31, 2022

Identification number, description, etc of each pump:	Manufacturer	Type (i.e., High Service, Well, Standby, etc.)	Rated Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
			(gallons per minute):			
<b>Distribution Tank Sites / Booster Stations</b>						
FEFE - No. 2	Allis Chalmers	Distribution	2,900	2019	2019	2019
FEFE - No. 3	Allis Chalmers	Distribution	2,900	2019	2019	2019
FEFE - No. 4	Allis Chalmers	Distribution	2,900	2019	2019	2019
FLOR - No. 1	Fairbanks	Distribution	2,100	2022	2022	2022
FLOR - No. 2	Fairbanks	Distribution	2,100	2022	2022	2022
FLOR - No. 3	Fairbanks	Distribution	2,100	2022	2022	2022
FLOR - No. 4	N/A	Distribution	N/A	N/A	N/A	N/A
FOER - No. 1	Allis Chalmers	Distribution	2,100	N/A	N/A	N/A
FOER - No. 2	Allis Chalmers	Distribution	2,100	N/A	N/A	N/A
FOER - No. 3	Allis Chalmers	Distribution	2,100	N/A	N/A	N/A
FOER - No. 4	Allis Chalmers	Distribution	2,100	N/A	N/A	N/A
GRVR - No. 1	Aurora	Distribution	750	2012	2012	2012
GRVR - No. 2	Aurora	Distribution	750	2011	2011	2011
HAWK - No. 1	Allis Chalmers	Distribution	2,400	N/A	(Rebuilt) 2018	(Rebuilt) 2018
HAWK - No. 2	Allis Chalmers	Distribution	2,400	N/A	N/A	N/A
HAWK - No. 3	Cornell	Distribution	2,275	2012	2012	2012
HAZL - No. 1	Allis Chalmers	Distribution	3,400	1959	1959	N/A
HAZL - No. 2	Allis Chalmers	Distribution	3,400	1959	1959	N/A
HAZL - No. 3	Franklin	Distribution	3,500	2019	2019	2019
HAZL - No. 4	Franklin	Distribution	3,500	2019	2019	2019
HAZL - No. 5	Franklin	Distribution	3,500	2019	2019	2019
HAZL - No. 6	Franklin	Distribution	3,500	2018	2018	2018
KEHR - No. 1	Franklin	Distribution	2,800	2018	2018	2018
KEHR - No. 2	Franklin	Distribution	2,800	2018	2018	2018
KEHR - No. 3	Franklin	Distribution	2,800	2018	2018	2018
KEHR - No. 4	Franklin	Distribution	2,800	2018	2018	2018
LIND - No. 1	Flowsolve	Distribution	8,150	2008	Never	Never
LUCS - No. 1	Cornell	Distribution	2,100	2021	2021	2021
LUCS - No. 2	Cornell	Distribution	2,100	2021	2021	2021
MEHL - No. 1	Ingersoll Rand	Distribution	2,500	1957	Never	Never
MEHL - No. 2	Ingersoll Rand	Distribution	2,500	1957	Never	Never
MEHL - No. 3	Ingersoll Rand	Distribution	2,500	1957	Never	Never
MEHL - No. 4	Ingersoll Rand	Distribution	2,500	1961	Never	Never
NORW - No. 1	Allis Chalmers	Distribution	2,100	1963	Never	Never
NORW - No. 2	Allis Chalmers	Distribution	2,100	1963	Never	Never
NORW - No. 3	Allis Chalmers	Distribution	2,100	1963	Never	Never
NORW - No. 4	Allis Chalmers	Distribution	2,100	1963	Never	Never
OAKV - No. 1	Aurora	Distribution	1,200	2014	2014	2014
OAKV - No. 2	Aurora	Distribution	1,200	2014	2014	2014
OAKV - No. 3	Allis Chalmers	Distribution	1,020	1991	Never	Never
OHFL - No. 1	Worthington	Distribution	2,500	N/A	N/A	N/A
OHFL - No. 2	Worthington	Distribution	2,500	N/A	N/A	N/A
OHFL - No. 3	Worthington	Distribution	2,500	N/A	N/A	N/A

## St. Louis County Operations

## Pg W-18 St. Louis Attachment - Pumps January 1 - December 31, 2022

Identification number, description, etc of each pump:	Manufacturer	Type (i.e., High Service, Well, Standby, etc.)	Rated Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
			(gallons per minute):			
<b>Distribution Tank Sites / Booster Stations</b>						
OHFL - No. 4	Worthington	Distribution	2,500	N/A	N/A	N/A
PDVB - No. 1	Goulds	Distribution	235	N/A	N/A	N/A
PDVB - No. 2	Goulds	Distribution	235	N/A	N/A	N/A
PDVT - No. 1	Peerless	Distribution	300	2011	2011	2011
PRIN - No. 1	Allis Chalmers	Distribution	5,500	N/A	N/A	N/A
PRIN - No. 2	Allis Chalmers	Distribution	5,500	N/A	N/A	N/A
REMO - No. 1	Aurora	Distribution	700	2022	2022	2022
REMO - No. 2	Peerless	Distribution	70	N/A	N/A	N/A
REMO - No. 3	Ingersoll Rand	Distribution	1,000	N/A	N/A	N/A
RKHL - No. 1	Peerless	Distribution	6,000	N/A	N/A	N/A
RKHL - No. 2	Peerless	Distribution	6,000	N/A	N/A	N/A
ROSE - No. 1	Mueller	Distribution	1,000	N/A	N/A	N/A
ROSE - No. 2	Mueller	Distribution	1,000	N/A	N/A	N/A
ROSE - No. 3	Allis Chalmers	Distribution	1,550	N/A	N/A	N/A
ROSE - No. 4	Allis Chalmers	Distribution	1,550	N/A	N/A	N/A
SAPP - No. 1	Ingersoll Rand	Distribution	2,500	1954	Never	Never
SAPP - No. 2	Ingersoll Rand	Distribution	2,500	1954	Never	Never
SAPP - No. 3	Ingersoll Rand	Distribution	2,500	1954	Never	Never
SAPP - No. 4	Ingersoll Rand	Distribution	2,500	1954	Never	Never
STRK - No. 1	Fairbanks	Distribution	5,800	N/A	N/A	N/A
STRK - No. 2	Fairbanks	Distribution	5,800	N/A	2012	N/A
TESN - No. 1	Allis Chalmers	Distribution	2,500	1967	Never	Never
TESN - No. 2	Allis Chalmers	Distribution	2,500	1967	Never	Never
TESN - No. 3	Allis Chalmers	Distribution	2,500	1967	Never	Never
TESN - No. 4	Allis Chalmers	Distribution	2,500	1967	Never	Never
TLGF - No. 1	Peerless	Distribution	1,040	1982	Never	Never
TLGF - No. 2	Peerless	Distribution	1,040	1982	Never	Never
VLLY - No. 1	Mueller	Distribution	3,750	1987	Never	Never
VLLY - No. 2	Mueller	Distribution	3,750	1987	Never	Never
VLLY - No. 3	Mueller	Distribution	2,800	1987	Never	Never
VLLY - No. 4	Mueller	Distribution	2,800	1987	Never	Never
VLPK - No. 1	Weinman	Distribution	2,800	N/A	N/A	N/A
VLPK - No. 2	Weinman	Distribution	3,750	N/A	N/A	N/A
VLGV - No. 1	Peerless	Distribution	1,000	2018	2018	2018
VLGV - No. 2	Peerless	Distribution	1,000	N/A	N/A	N/A
WALT - No. 1	Aurora	Distribution	2,100	2014	2014	2014
WALT - No. 2	Ingersoll Rand	Distribution	2,500	1976	1976	N/A
WALT - No. 3	Ingersoll Rand	Distribution	2,600	1976	1976	N/A
WALT - No. 4	Aurora	Distribution	2,100	2014	2014	2014
WARS - No. 1	Peerless	Distribution	6,000	N/A	N/A	N/A
WARS - No. 2	Peerless	Distribution	6,000	N/A	N/A	N/A
WILD - No. 1	Layne-Bowler	Distribution	480	N/A	N/A	N/A
WILD - No. 2	Layne-Bowler	Distribution	480	N/A	N/A	N/A

**PUMPS**

**Tri County District - Stonebridge Operations including Forest Lake**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
Stonebridge Well 1	390 gpm	05/01/04		
Forest Lake Well 2	325 gpm	2006	2021	2021

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Stonebridge MO5031086		Forest Lake MO5036198	Number:
Description (i.e., Deep, Artisan, Spring, etc.)	Deep		Deep	
Year Constructed	1994		2005	
Type of Construction	Drilled		Drilled	
Type of Casing	10" ID New Wrought Steel		Steel	
Depth and Diameter of Well	1,310 ft x 10" dia		506 ft X 17" dia	
Yield of Well in Gallons per day	1,000,000		496,800	
Chemicals (i.e., Provide Type, Cost and Quantities of Each):				
Type -	Liquid Chlorine		Liquid Chlorine	
Cost -				
Quantity -	558 lbs		152 lbs	

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Table Rock Estates Operations**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
TRE Well 1	35 gpm	1972	2003	2003
TRE Well 2	35 gpm	1981	2013	2013

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Number:	Number:	Number:	Number:
Description (i.e., Deep, Artisian, Spring, etc.)				
Year Constructed	1972	1981		
Type of Construction	Drilled	Drilled		
Type of Casing	Steel	Steel		
Depth and Diameter of Well	245' 6"	467' 6"		
Yield of Well in Gallons per day				
Chemicals (i.e., Provide Type, Cost and Quantities of Each):				
Type -				
Cost -				
Quantity -				

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Tri County District - Tri-State**

1	2	3	4	5
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
3 Well 4	600 gpm	1987	2014	2014
4 Well 5	1,000 gpm	1994	2018	2018
5 Well 6	1,000 gpm	2020		
6				
7				
8				
9				
10				
11				
12				

**WELLS**

13	Tri State Well #4 5024601104	Tri State Well #5 5024601105	Tri State Well #6	Number:
14 Description (i.e., Deep, Artisan, Spring, etc.)	Deep	Deep	Deep	
15 Year Constructed	1987	1994	2020	
16 Type of Construction	Drilled	Drilled	Drilled	
17 Type of Casing	Steel	Steel	Steel	
18 Depth and Diameter of Well	1,665' x 12"	1,591' x 14"	1,300' x 14"	
19 Yield of Well in Gallons per day	1,008,000	1,254,240	1,440,000	
20 Chemicals (i.e., Provide Type, Cost and Quantities of Each):				
21 Type -	Gas chlorine	Gas chlorine	Liquid Chlorine	
22 Cost -				
23 Quantity -	150 lbs	150 lbs	558 lbs	

Company Name: **Missouri-American Water Company**

For the calendar year of January 1 - December 31 2022



**PUMPS  
Wardsville**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
1					
2					
3	high service 1	300 gpm	1991	N/A	N/A
4	high service 2	300 gpm	N/A	N/A	N/A
5					
6					
7					
8					
9					
10					
11					
12					

**WELLS**

	Number:	Number:	Number:	Number:
13				
14	Description (i.e., Deep, Artisian, Spring, etc.)	deep	deep	
15	Year Constructed	1967	1991	
16	Type of Construction	drilled	drilled	
17	Type of Casing	steel	steel	
18	Depth and Diameter of Well	925' of 8"	1090 8"	
19	Yield of Well in Gallons per day	300	300	
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):	Bleach	Bleach	
21	Type -	12.5% bleach	12.5% bleach	
22	Cost -			
23	Quantity -	100 LBS week	100 LBS week	

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**St. Charles Operations (Warren County)**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
1					
2					
3	TESC Motors 10 HP Standby Pump #1	135 gpm	2004	Motor out of service 9/2005	Pump out of service 9/2005
4	TESC Motors 10 HP Standby Pump #2	135 gpm	2004	Motor out of service 9/2005	Pump out of service 9/2005
5	TESC Motors 10 HP Standby Pump #3	135 gpm	2004	Motor out of service 9/2005	Pump out of service 9/2005
6	Franklin Motor on a Grundfos submersible well pump	260 gpm	1981	NA	NA
7					
8					
9					
10					
11					
12					

**WELLS**

	Number:	Number:	Number:	Number:
13				
14	Description (i.e., Deep, Artisan, Spring, etc.)	Deep Well #1		
15	Year Constructed	1981		
16	Type of Construction	Rock Hole		
17	Type of Casing	Steel		
18	Depth and Diameter of Well	1,550 FT		
19	Yield of Well in Gallons per day	417,600 gpd		
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):	None		
21	Type -			
22	Cost -			
23	Quantity -			

Company Name: **Missouri-American Water Company**

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Warrensburg Operations**

1	2	3	4	5
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
3	Goulds - Well #5 Pump	750 gpm	1963	1998
	Goulds - Well #6 Pump	800 gpm	1963	1998
4	Grundfos - Well #7 Pump	1,120 gpm	1963	2017
	Grundfos - Well #8 Pump	1,100 gpm	1972	2021
5	Goulds Turbine - Well #9 Pump	1,100 gpm	1999	2014
	National - High Service Pump #1	1,600 gpm	1963	2000
6	National - High Service Pump #2	1,600 gpm	1963	2008
	National - High Service Pump #3	1,600 gpm	1963	2000
7	Floway - High Service Pump #4	1,600 gpm	2000	2000
	Paco - Marr Road Booster Pump #1	150 gpm	2006	2006
8	Paco - Marr Road Booster Pump #2	500 gpm	2006	2006
	Paco - Marr Road Booster Pump #3	500 gpm	2006	2006
9	Cornell - Enterprise High Service Pump #5	1,200 gpm	2006	2006
	Cornell - Enterprise High Service Pump #6	1,200 gpm	2006	2006
10				
11				
12				

**WELLS**

13	14	15	16	17
	Number:	Number:	Number:	Number:
14	Description (i.e., Deep, Artisian, Spring, etc.)	#5 - Deep Well	#6 - Deep Well	#7 - Deep Well
15	Year Constructed	1963	1963	1963
16	Type of Construction	Drilled and Cased	Drilled and Cased	Drilled and Cased
17	Type of Casing	Cast Iron	Cast Iron	Cast Iron
18	Depth and Diameter of Well	712' x 10"	675' x 10"	705' x 12"
19	Yield of Well in Gallons per day	0.218 MGD	0.421 MGD	0.624 MGD
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):			
21	Type -			
22	Cost -			
23	Quantity -			

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Warrensburg Operations**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
1	N/A				
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					

**WELLS**

	Number:	Number:	Number:	Number:	
13	#9 - Deep Well				
14					Description (i.e., Deep, Artisan, Spring, etc.)
15					Year Constructed
16					Type of Construction
17					Type of Casing
18					Depth and Diameter of Well
19					Yield of Well in Gallons per day
20					Chemicals (i.e., Provide Type, Cost and Quantities of Each):
21					Type -
22					Cost -
23	Quantity -				

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Whitebranch Operations**

	Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
1					
2					
3	Whitebranch Well # 1	245 gpm	1993	2015	2015
4	Whitebranch Well # 5	11 gpm	1971		
5					
6					
7					
8					
9					
10					
11					
12					

**WELLS**

	Number:	Number:	Number:	Number:
13				
14	Description (i.e., Deep, Artisan, Spring, etc.)	Deep	Deep	
15	Year Constructed	1993	1971	
16	Type of Construction	Drilled	Drilled	
17	Type of Casing	Steel	Steel	
18	Depth and Diameter of Well	805' x 8" dia	280' x unknown	
19	Yield of Well in Gallons per day	230,400	14,400	
20	Chemicals (i.e., Provide Type, Cost and Quantities of Each):			
21	Type -			
22	Cost -			
23	Quantity -			

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

**PUMPS**  
**Tri County District -Woodland Manor Operations**

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
Manufacturer and Type (i.e., High Service, Well, Standby, etc.)	Capacity	Date Installed	Date of Last Motor Replacement	Date of Last Pump Replacement
Woodland Manor Well 2	50 gpm	1999		
Woodland Manor Well 3	150 gpm	1999	2022	2022

**WELLS**

13	14	15	16	17
18	19	20	21	22
23	24	25	26	27
	Number:	Number:	Number:	Number:
Description (i.e., Deep, Artisan, Spring, etc.)	Deep	Deep		
Year Constructed	1999	1999		
Type of Construction	Drilled	Drilled		
Type of Casing	Steel	Steel		
Depth and Diameter of Well	6"	8"		
Yield of Well in Gallons per day	43,200	216,000		
Chemicals (i.e., Provide Type, Cost and Quantities of Each):				
Type -	Liquid Chlorine	Liquid Chlorine		
Cost -				
Quantity -	152 lbs	152 lbs		

Company Name: Missouri-American Water Company

For the calendar year of January 1 - December 31 2022

Company Name Missouri-American Water Company

**VERIFICATION**

The foregoing report must be verified by the oath of the President, Treasurer, General Manager or Receiver of the company. The oath required may be taken before any person authorized to administer an oath (Notary Public) by the laws of the State in which the same is taken.

**OATH**

State Of Missouri }  
County Of St. Louis } ss:

Richard Svindland makes oath and says that  
Name of Affiant (Company Official/Representative)

s/he is President  
Official Title of the Affiant (Company Official/Representative)

of Missouri American Water Company  
Exact Legal Title or Name of the Respondent (Certificated Company Name)

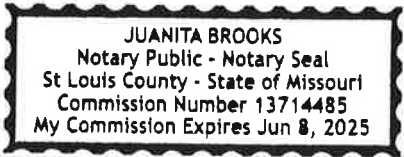
and is located at 727 Craig Road, St. Louis, MO 63141, (314) 996-2363  
Address and Telephone Number of the Affiant (Company Official/Representative)

that s/he has 1) examined the foregoing report; that to the best of his or her knowledge, information, and belief all statements of fact contained in the said report are true and the said report is a correct statement of the business and affairs of the above-named respondent, and 2) examined (and updated as applicable) the Company's contact information in EFIS; to the best of his or her knowledge, information, and belief, all listed contacts are correct.

from January 1, 2022, to and including December 31, 2022  
Month/Day Year Month/Day Year

[Signature]  
Signature of Affiant (Company Official/Representative)  
*(If electronic signatures are used, you must use "/s/" before the name.)*

Subscribed and sworn to before me, a Notary Public, in and for the State and County above named,  
this 15<sup>th</sup> day of May, 2023.  
My Commission expires: June 8, 2025



[Signature]  
Signature of Notary Public  
*(If electronic signatures are used, you must use "/s/" before the name.)*  
13714485  
Notary Commission Number