



Notice of Open Meeting Safe Drinking Water Commission

The health and safety of all visitors to state office buildings are priority. Due to concerns regarding the novel coronavirus, or COVID-19, and restrictions on access to state buildings, this meeting will be limited to remote participation as outlined below.

Options for remote participation:

- Watch the meeting live: Livestream: <https://dnr.mo.gov/videos/live.htm>
- Listen and/or talk during open session: 1-877-749-7113 / Participant PIN: 51724
- Note: If you are watching the livestream and call-in, there is a slight delay and there may be audio feedback issues if you do both. Please mute your phone unless you are presenting. In addition, please, do not put your phone on hold.

To review minutes from previous meetings and learn about agenda items, please refer to the Department website at [Safe Drinking Water Commission](#).

AGENDA

Virtual Meeting
1-877-749-7113 / Participant PIN: 51724
July 8, 2020
10 a.m.

- | | | |
|-----------|---|-----------------|
| A. | Call to Order and Introductions | Liz Grove |
| B. | Minutes from January 15, 2020 meeting
(Approval Needed) | Liz Grove |
| C. | Reports and Updates
(Information Only) | |
| 1. | Annual Capacity Development Report | Diane Vitello |
| 2. | Drinking Water Infrastructure Needs Survey and Assessment | Lauren Graessle |
| 3. | Proposed Fee Rule | David Lamb |
| 4. | Disinfection Byproducts Study | Maher Jaafari |

- | | | |
|----|-------------------------------------|----------------|
| 5. | COVID Regulatory Relief | Lance Dorsey |
| 6. | Operator Certification COVID Issues | Darlene Helmig |
| 7. | Attorney General’s Office Update | Tim Duggan |
| 8. | Branch Chief’s Update | David Lamb |

D. Recommended for adoption and actions to be voted on
(Approval needed)

- | | | |
|----|--|-----------------|
| 1. | Proposed Amendment to the Fiscal Year 2020 Drinking Water State Revolving Fund (DWSRF) Intended Use Plan (IUP) Comprehensive List and Fundable Projects List | Hannah Humphrey |
|----|--|-----------------|

E. New Business
(Information Only) Liz Grove

F. Open Comment Session
(Information Only) Liz Grove

This segment of the meeting affords the public an opportunity to comment on any other issues pertinent to the Safe Drinking Water Commission.

G. Future Meeting Dates
(Information Only) Liz Grove

- July 10, 2020 (Virtual Meeting/Conference Call)
- September 18, 2020 (Virtual Public Hearing)
- October 14, 2020 (TBD)
- November 23, 2020 (Virtual Meeting/Conference Call)

H. Closed Session Liz Grove
This portion of the meeting may be closed if such action is approved by a majority vote of the Safe Drinking Water Commission members who constitute a quorum, pursuant to Section 610.021, RSMo.

I. Meeting Adjournment
(Approval Needed) Liz Grove

People requiring special services at the meeting can make arrangements by calling 1-800-361-4827 or 573-751-0124. Hearing- and speech-impaired individuals may contact the department through Relay Missouri, 1-800-735-2966.

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020

Agenda Item #A

Call to Order and Introductions

Issue:

Meeting called to order and roll call taken. All in attendance to make introductions.

Presented by:

Liz Grove, Chair, SDWC

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020

Agenda Item # B

Minutes from January 15, 2020 meeting

Issue:

Commission to review the minutes from the January 15, 2020, Safe Drinking Water Commission meeting.

Recommended Action:

The Department recommends the Commission vote to approve the minutes from the January 15, 2020, Safe Drinking Water Commission meeting.

Suggested Motion Language:

Chair Grove, I move that the Commission approve the minutes from the January 15, 2020, meeting.

Attachment:

Minutes from the January 15, 2020, meeting.

Presented by:

Liz Grove, Chair, SDWC

**MINUTES OF THE
SAFE DRINKING WATER COMMISSION**

**Water Protection Program
Public Drinking Water Branch
Nightingale Creek Conference Room
1101 Riverside Drive
Jefferson City, MO**

**January 15, 2020
10 a.m.**

Commissioners Present:

Ms. Elizabeth Grove, Chair
Ms. Susan Hazelwood, Vice Chair
Mr. Rodger Owens

Commissioners Absent:

Ms. Susan Armstrong

Commissioners Participating via Conference Call:

Mr. Scott Bockenkamp
Mr. Bruce Manning
Mr. Curt Skouby

Ms. Charli Jo Ledgerwood
Mr. Fred Schmidt

Legal Counsel:

Mr. Tim Duggan, AGO

Staff Present:

Mr. David Lamb, WPP/PDWB
Ms. Donna Belfiore, WPP/PDWB
Ms. Sheri Fry, WPP/PDWB
Mr. Jeff Pinson, WPP/PDWB
Mr. Eric Medlock, WPP/PDWB
Ms. Hannah Humphrey, WPP/FAC
Ms. Lisa Stuecken, DNR/DAS
Mr. Chris Wieberg, Director, WPP
Ms. Emma Schneider, DNR/WRC
Mr. Joel Reschly, DNR/ GCO

Mr. Lance Dorsey, WPP/PDWB
Ms. Darlene Helmig, WPP/PDWB
Mr. Todd Eichholz, WPP/PDWB
Ms. Lauren Ferland, WPP/PDWB
Ms. Misty Lange, WPP/FMS
Ms. Sharon Davenport, WPP/FAC
Ms. Deanna Boland, DNR/DEQ/Admin.
Ms. Jennifer Hoggatt, Director, WRC
Mr. Matthew Kirsch, DNR/WRC

Guests Present:

Mrs. La Dawn Owens, Lakeland Heights
Ms. Shelley Lane, Missouri American Water
Ms. Ramona Huckstep, Missouri Municipal League
Ms. Samantha Harden, Environmental Protection Agency
Ms. Jennifer Hernandez, Brydon, Swearngen & England

Abbreviations and Acronyms used in these minutes

AGO	Attorney General's Office
AWIA	America's Water Infrastructure Act
DAS	Division of Administrative Support
DNR	Department of Natural Resources
DWSRF	Drinking Water State Revolving Fund
EPA	Environmental Protection Agency
FAC	Financial Assistance Center
FMS	Financial Management Section
GCO	General Counsel's Office
IUP	Intended Use Plan
LCR	Lead and Copper Rule
LCSOB	Lewis and Clark State Office Building
PDWB	Public Drinking Water Branch
UCMR4	Unregulated Contaminant Monitoring Rule 4
WPP	Water Protection Program
WRC	Water Resource Center

Call to Order and Introductions

The regular meeting of the Safe Drinking Water Commission was held on January 15, 2020, in Jefferson City, Missouri. Chair Grove called the meeting to order at 10:00 a.m.

Roll call was taken and all in attendance made introductions, including five Commissioners who were participating via teleconference. Commissioners Armstrong did not participate in the meeting.

Minutes of the October 16, 2019, Meeting in Rolla, Missouri

Chair Grove asked for any changes, additions, or deletions to the minutes from the October 16, 2019, meeting as presented in the packets. Vice-Chair Hazelwood identified one correction needed on page 4 of the minutes. Hearing no other corrections or additions, Chair Grove called for a motion to approve. Commissioner Owens made a motion to approve the minutes as amended, and Commissioner Manning seconded it. All commissioners voted to approve the October 16, 2019, meeting minutes as amended.

Motion carried.

Election of Officers

Chair Grove announced the election of Commission officers for the year. She called for nominations for Chair. Commissioner Owens nominated Elizabeth Grove for the position, which

was seconded by Commissioner Manning. No other nominations were made. All commissioners voted unanimously to re-elect Elizabeth Grove as Chair.

Motion carried.

Next, Chair Grove called for nominations for the position of Vice-Chair. Current Vice-Chair Hazelwood nominated Commissioner Charli Jo Ledgerwood for the position, which was seconded by Commissioner Owens. Commissioner Ledgerwood accepted the nomination. No other nominations were made. All commissioners voted unanimously to elect Commissioner Ledgerwood as Vice-Chair.

Motion carried.

Missouri Water Resources Plan

Ms. Emma Schneider and Mr. Matt Kirsch, of the Water Resources Center, presented an overview of the Missouri Water Resources Plan to the Commission. With the aid of a PowerPoint presentation, they explained the responsibility, vision, goals, and partnerships that encompassed the big picture in regard to the plan. Next they reported on the core elements of the plan; demand, supply, infrastructure, and scenario planning. In conclusion, they explained the process that the Department utilized for interactions with stakeholders in order to keep them informed and engaged throughout the development of the plan.

No action taken by the Commission, information only.

Disinfection Byproducts Project

This item was tabled due to Mr. Jaafari being unavailable for the meeting. It will be added to the agenda for the next Commission meeting.

EPA's Proposed Lead and Copper Rule

Mr. Jeff Pinson, Lead and Copper Rule Manager for the PDWB, gave a presentation to the Commission on EPA's proposed revisions to the Lead and Copper Rule (LCR). With the aid of a PowerPoint presentation, he reported on more than a dozen, long-term revisions to the rule that will greatly impact not only water systems, but also the Department through its implementation, management, and reporting requirements. Mr. Pinson answered several questions from the Commissioners regarding the proposed changes.

No action taken by the Commission, information only.

Fee Stakeholder Meeting Update

Mr. David Lamb provided the Commission an update on the status of the Department's efforts to initiate stakeholder meetings to discuss potential revisions to the Department's drinking water fee structure. He noted that the Branch will hold the first of a series of stakeholder meetings on January 23, 2020. He described the activities undertaken by the Department to communicate this effort to interested parties and to develop the projections that will be used at the meeting. He also explained the timing of the effort and the need to be able to complete the stakeholder process by April in order to get a revised rule in place by the end of 2020. He welcomed Commissioners to participate in the meetings if they wished, but advised he would keep them updated as the meetings progressed.

Chair Grove asked if the clean water program was working on this same issue. Mr. Chris Wieberg, the Director of the Water Protection Program responded to her question confirming that the clean water side of the program was also working on setting up fee stakeholder meetings.

No action taken by the Commission, information only.

Unregulated Contaminant Monitoring Rule/PFAS Update

Mr. Eric Medlock, Chemical Monitoring Coordinator for the PDWB, provided an update on the Unregulated Contaminant Monitoring Rule #4 (UCMR4) and Department efforts to date on PFAS sampling. Using a PowerPoint presentation, he provided background on the current UCMR4 rule, explaining the process used by EPA to select contaminants for monitoring as well as identifying the specific contaminants to be monitored under the current rule. He noted the Department contracted with Pace Analytical Services, LLC to provide the analytical laboratory services needed to implement the rule. He noted the Department had contracted with them previously to successfully complete sampling under UCMR3. Eric then provided information on Department PFAS sampling efforts to date, including going over a map of sites in Missouri where PFAS sampling has occurred. This included UCMR3 sampling completed, Missouri S&T occurrence sampling completed as part of a Department study, and sampling overseen by the Department's Environmental Remediation Program.

No action taken by the Commission, information only.

Attorney General's Office Legal Update

Mr. Tim Duggan reported to the Commission the process they perform when cases are referred by the Department to Attorney General's Office. He also discussed improvements being made to their case tracking system.

No action taken by the Commission, information only.

Branch Chief's Update

Mr. David Lamb started his update by providing the Commission with information on recent staff changes. He noted that after two recent hires there is only one remaining Branch vacancy; an office support assistant position which is currently on hold. Next Mr. Lamb provided an update on several EPA regulatory actions. As part of this update, he noted the Department's intention to provide comments on EPA's recently proposed Lead and Copper Rule. He also discussed anticipated EPA regulatory actions related to PFAS, perchlorate, and AWIA. Mr. Lamb then updated the Commission on the status of the program's primacy applications, noting that 11 primacy revisions were submitted to address rule revisions made during the Red Tape Reduction Initiative. He also noted that EPA had already approved the changes to the operator certification rules made during that effort. He then informed the Commission that EPA had completed their review of the Department's Laboratory Certification Program and that the program was in good standing. In conclusion, Mr. Lamb stated that he would be starting a two year term on the Board of the Association of State Drinking Water Administrators.

No action taken by the Commission, information only.

Proposed Amendment to the Fiscal Year 2020 Drinking Water State Revolving Fund (DWSRF) Intended Use Plan (IUP) Comprehensive List and Fundable Projects List

Ms. Darleen Groner, of the Financial Assistance Center, came before the Commission to recommend the approval of proposed amendments to the Fiscal Year 2020 Drinking Water State Revolving Fund (DWSRF) Intended Use Plan (IUP) Comprehensive List and Fundable Projects List. Ms. Groner explained the amendments being requested which were included in the packets received by each of the Commissioners. Chair Grove asked for a motion to approve the amendments as requested. Vice-Chair Hazelwood made the motion. Commissioner Bockenkamp seconded it. A roll call vote was taken, and the results are as follows:

Commissioner Bockenkamp:	Yes	Commissioner Ledgerwood:	Yes
Commissioner Manning:	Yes	Commissioner Owens:	Yes
Commissioner Schmidt:	Yes	Commissioner Skouby:	Yes
Vice-Chair Hazelwood:	Yes	Chair Grove:	Yes
Commissioner Armstrong:	Absent		

Motion carried.

New Business

Chair Grove asked the commissioners if there was any new business to be discussed. No items were identified for discussion.

Public Comment and Correspondence

Chair Grove asked if there was anyone present who would like to address the Commission. No one came forward.

Future Meetings

Chair Grove announced the dates for upcoming SDWC meetings. Vice-Chair Hazelwood pointed out that the wrong days of the week were listed on the schedule. The future dates were set as noted below:

Wednesday, April 15, 2020	LCSOB, Nightingale Conference Room
Wednesday, July 8, 2020	LCSOB, Nightingale Conference Room
Friday, July 10, 2020	LCSOB, Gasconade Camp Conference Room (Conference Call, for action item voting)

Adjournment

Commissioner Owens made a motion to adjourn the meeting, and Commissioner Skouby seconded it. All others voted to approve.

Motion carried. The meeting was adjourned at 12 p.m.

Respectfully Submitted,

David J. Lamb, Staff Director

Minutes taken at the Safe Drinking Water Commission meetings are not verbatim records of the meeting. Consequently, the minutes are not intended to be, and are not, a word-for-word transcription.

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020

Agenda Item # C-1

Annual Capacity Development Report

Issue:

The Department's Public Drinking Water Branch administers the State's capacity development strategy for new and existing systems. In order for a state to receive its full allotment of funding under the Drinking Water State Revolving Fund Capitalization Grant, documentation must be provided to the U.S. Environmental Protection Agency (EPA) demonstrating ongoing implementation of the state's capacity development strategy. The attached report fulfills this requirement for the Federal Fiscal Year 2019 reporting period.

Recommended Action:

Information only

List of Attachments:

PowerPoint presentation
2019 Capacity Development Program Annual Implementation Report

Presented by:

Diane Vitello, Unit Chief, Capacity Development & Source Water Protection



2019 Capacity Development Program Annual Implementation Report

Diane Vitello

Public Drinking Water Branch

July 2020

Background

Capacity Development (CD) was promulgated under the Safe Drinking Water Act (SDWA) Amendment of 1996 requiring states to develop and implement a capacity development strategy in order to receive their full allotment of drinking water state loan funds

Background

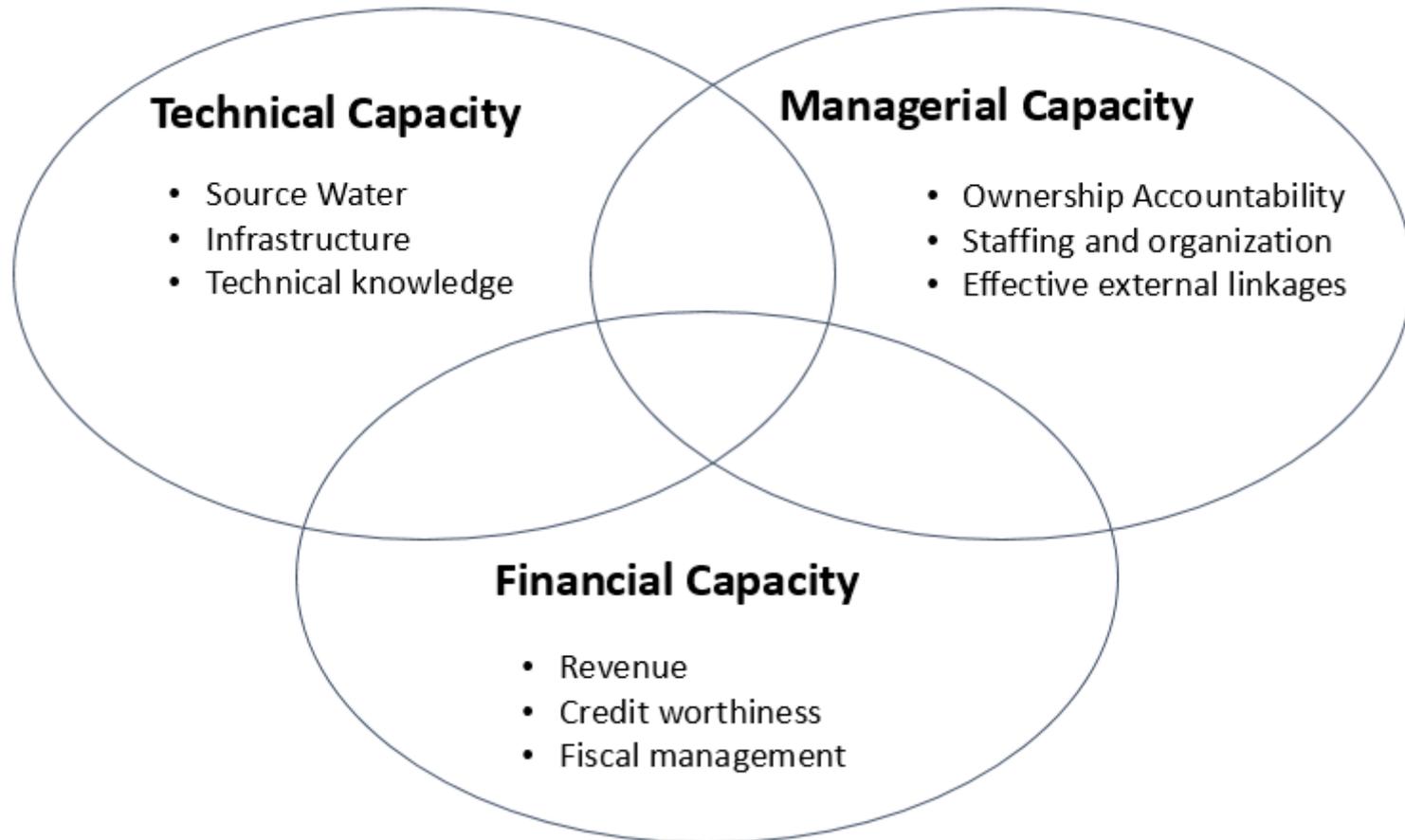
Three major components to Section 1420 of the SDWA:

- State authority for new systems (C, NTNC)
- Capacity development strategy
- Reporting

Capacity Development

Capacity development is defined as the process of water systems acquiring and maintaining adequate technical, managerial, and financial (TMF) capabilities to enable them to consistently provide safe drinking water.

Capacity Development



Capacity Development Reports

- Annual CD Report to EPA
 - Implementation
- Triennial CD Report to Governor
 - Efficacy of the state's strategies
 - Progress toward improving TMF capacity of public drinking water systems

Annual CD Report

- CD Related Drinking Water Activities
 - Permits & Engineering
 - Operator Certification Program
 - Drinking Water Monitoring
 - Source Water Protection
 - Field Compliance Assistance
 - Missouri Geological Survey
 - Compliance & Enforcement
 - Financial Assistance Center
 - Drinking Water Contaminant Research Partnerships

Annual CD Report

- Capacity Development Activities
 - New Systems List
 - Training and Technical Assistance for Small Systems
 - Circuit Rider Assistance Contract

New Systems List

- List new systems in the state for the last three federal fiscal years
 - 12 newly constructed systems
 - 17 newly discovered systems
 - 6 reactivated systems
 - 2 inactivated systems

Training and Technical Assistance for Small Systems

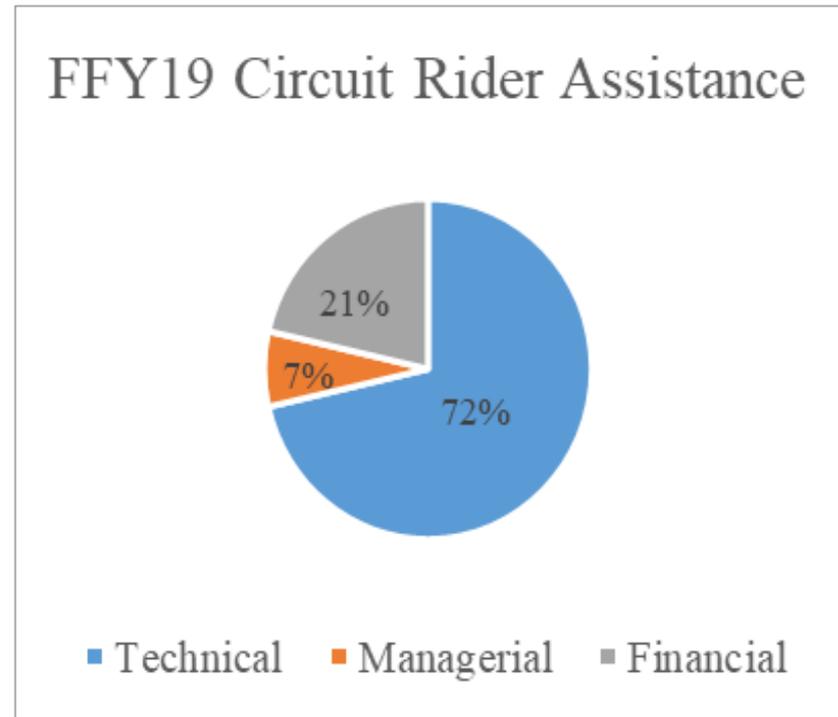
- Missouri Rural Water Association
 - 94.5 hours of technical assistance
 - 14 operator certification classes
- Midwest Assistance Program
 - One Small Systems Operator Training
 - One Board Member and Clerk Training
- Environmental Finance Center
 - Two Capital Improvement Planning Workshops

Circuit Rider Assistance Contract

- Provide assistance to public drinking water systems with:
 - Capacity development issues
 - Water system technical and compliance assistance
 - Unaccounted for (nonrevenue) water loss issues
 - Rate assessments

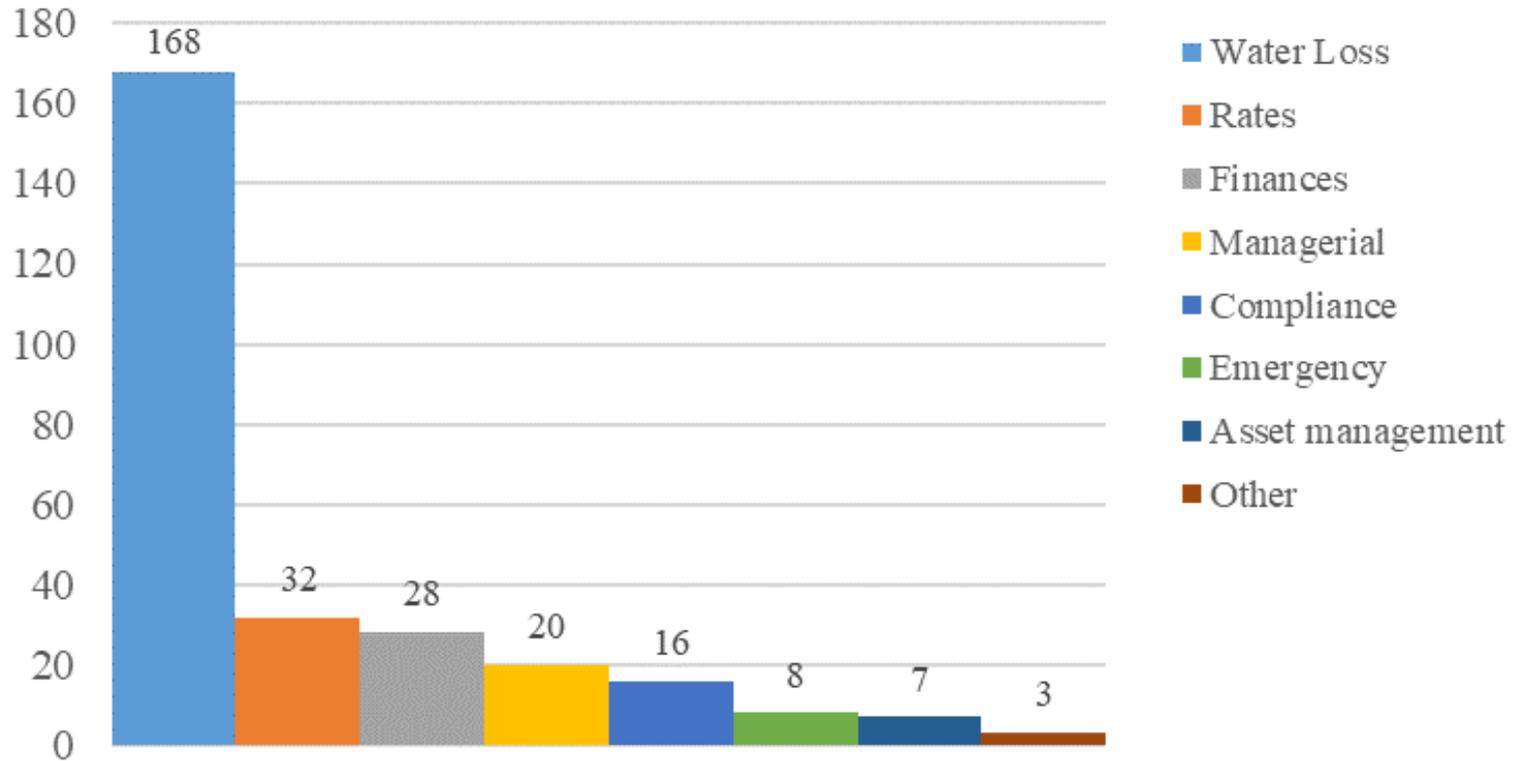
Circuit Rider Assistance Contract

- 282 onsite and offsite assistance efforts
- 163 systems statewide



Circuit Rider Assistance Contract

FFY19 Circuit Rider Assistance



Circuit Rider Assistance Contract Leak Detection

Leak Detection Visits					
FFY	# of Visits	Visits with Leaks		Reported System Repairs	
		#	%	#	%
2015	44	41	93%	22	54%
2016	66	53	80%	44	83%
2017	88	68	77%	53	78%
2018	99	89	90%	69	78%
2019	92	86	93%	67	78%

Circuit Rider Assistance Contract Leak Detection

- Reported estimated water loss:
 - 54,000,000 gallons/month
- Reported estimated chemical and electrical cost:
 - \$25,000/month
- Unaccounted for costs include:
 - Equipment, supplies, and labor

Circuit Rider Assistance Contract Rate Assessments

- FFY19 Rate Assessments
 - 20 completed
 - 10 water systems adopted new rates
 - 3 water systems had adequate rates and no adjustment was recommended
 - Rate adjustments ranged from \$3.75-\$55.11 per 5,000 gallons

CD Goals

- Increase TMF capacity through consolidation and interconnection
- CD strategy assessment and revisions
 - AWIA, asset management
- Fact sheets and templates
- Enhanced communication with water systems
 - Autodialer
 - GovDelivery

CD Goals

- Area-Wide Optimization Program (AWOP)
- TMF training opportunity
- TMF review team
 - TMF checklist
 - TMF guidance documents
- Bathymetric surveys and reservoir water supply studies
- Missouri Water Resources Plan

Questions?

Diane Vitello

Capacity Development & Source Water Protection Unit Chief

Public Drinking Water Branch

Missouri Department of Natural Resources

P.O. Box 176 Jefferson City, MO 65102-0176

Phone: (573) 526-6928

CAPACITY DEVELOPMENT PROGRAM

ANNUAL IMPLEMENTATION REPORT

December 2019
Missouri Department of Natural Resources
Public Drinking Water Branch



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

The Drinking Water State Revolving Fund (DWSRF) is a cooperative partnership through which the federal government provides capitalization grants to states. The principal objective of the DWSRF is to facilitate compliance with national primary drinking water regulations. In order for a state to receive its full DWSRF allotment, the U.S. Environmental Protection Agency (EPA) must receive documentation, within 90 days of the end of the annual reporting period, demonstrating ongoing implementation of the state's capacity development strategy. This report fulfills that requirement.

Contents

1.0	Introduction.....	1
2.0	Strategy Development.....	1
3.0	Strategy Implementation.....	1
3.1.	Safe Drinking Water Commission.....	1
3.2.	Stakeholder Involvement.....	2
3.3.	Coordination.....	2
3.4.	Branch Staffing.....	3
3.5.	Professional Development.....	3
4.0	New Systems Strategy.....	3
5.0	Comprehensive System Strategy.....	4
6.0	Prioritized TMF Indicators and Assistance Types.....	4
7.0	Water System Assistance Measures.....	5
7.1.	Permits & Engineering.....	5
7.2.	Operator Certification Program.....	5
7.3.	Drinking Water Monitoring.....	6
7.4.	Source Water Protection.....	8
7.5.	Field Compliance Assistance.....	9
7.6.	Missouri Geological Survey.....	9
7.7.	Compliance & Enforcement.....	9
7.8.	Financial Assistance Center.....	10
7.9.	Natural Disasters.....	10
8.0	Technical Assistance Providers.....	11
8.1.	Training and Technical Assistance for Small Systems Grant.....	11
8.2.	MRWA Circuit Rider Technical Assistance Contract.....	11
9.0	Drinking Water Contaminant Research Partnerships.....	14
10.0	Red Tape Reduction.....	14
11.0	Goals.....	15
11.1.	Increase TMF through Consolidation and Interconnection.....	15
11.2.	Strategy Assessment and Revisions.....	15
11.3.	Fact Sheets and Templates.....	15
11.4.	Enhancement of Communication with Water Systems.....	15
11.5.	Area-Wide Optimization Program.....	16
11.6.	Training Opportunity.....	16
11.7.	TMF Review Team.....	16
11.8.	Bathymetric Surveys and Reservoir Water Supply Studies.....	16
11.9.	Missouri Water Resources Plan.....	16

List of Appendices

- A. FFY19 New Systems
- B. FFY19 MDNR Operator Certification Courses
- C. Division of Environmental Quality Regional Offices Map

List of Acronyms

- AWOP: Area-Wide Optimization Program
- CCR: Consumer Confidence Report
- DAC: Drought Assessment Committee
- DBP: Disinfection Byproducts
- DWSRF: Drinking Water State Revolving Fund
- EFC: Environmental Finance Center
- EPA: U.S. Environmental Protection Agency
- ETT: Enforcement Targeting Tool
- FFY: Federal Fiscal Year
- MAP: Midwest Assistance Program
- MCL: Maximum Contaminant Level
- MDNR: Missouri Department of Natural Resources
- MGS: Missouri Geological Survey
- MRWA: Missouri Rural Water Association
- MWWRC: Missouri Water and Wastewater Review Committee
- NOV: Notice of Violation
- OEL: Operational Evaluation Level
- RO: Missouri Department of Natural Resources Regional Offices
 - KCRO: Kansas City Regional Office
 - NERO: Northeast Regional Office
 - SERO: Southeast Regional Office
 - SLRO: St. Louis Regional Office
 - SWRO: Southwest Regional Office
- RTCR: Revised Total Coliform Rule
- SDWA: Safe Drinking Water Act
- SDWC: Safe Drinking Water Commission
- SDWIS: Safe Drinking Water Information System
- SPHL: Missouri Department of Health and Senior Services-State Public Health Lab
- T/TA: Training and Technical Assistance
- TMF: Technical, Managerial, and Financial Capacity
- TTHM: Total Trihalomethanes
- UCMR: Unregulated Contaminant Monitoring Rule
- USDA: U.S. Department of Agriculture
- USGS: U.S. Geological Survey

1.0 Introduction

In accordance with the EPA Reporting Criteria for Annual State Capacity Development Program Implementation Reports Memorandum, dated June 1, 2005, the Missouri Department of Natural Resources (Department) is pleased to present Missouri's Federal Fiscal Year (FFY) 2019 Capacity Development Program Annual Implementation Report to EPA Region 7.

2.0 Strategy Development

The Safe Drinking Water Act's (SDWA) capacity development provisions provide a framework for states and public water systems to work together to ensure that systems acquire and maintain the technical, managerial, and financial (TMF) capacity needed to meet the SDWA's objectives for public health protection. In 1998, the Department, with the assistance of the Capacity Development Strategy Advisory Committee, developed the first Missouri Capacity Development Strategy (Strategy). EPA approved the Strategy in 2000. In 2004, the Department made minor revisions to the Strategy and in 2013, staff initiated an assessment of and further revisions to the Strategy. The Department will continue to assess the state's Strategy periodically to ensure its success.

The Strategy is available on the Department's Capacity Development webpage and is comprised of 10 elements:

- Improve water system knowledge of current and future statutes and regulations.
- Improve communication and trust among all partners.
- Engage with citizens and water systems about the importance of safe drinking water.
- Encourage partnerships between agencies and water systems.
- Improve interagency and intra-agency communication for TMF capacity related programs.
- Coordinate capital resources.
- Continue rate setting and financial management training for small water systems.
- Increase planning in rural areas.
- Develop and provide board member training and TMF capacity materials and training to water system decision makers.
- Continue to collect baseline data to measure the success of TMF capacity activities.

3.0 Strategy Implementation

Over the years, the Department has adjusted its implementation of the Strategy to meet the needs of Missouri's water systems and ensure the efficacy of the state's program. Under the 2000 Strategy, the Department prioritized water systems with health-based violations and compliance related issues for TMF assistance. The premise was that noncompliance indicates a lack of TMF capacity. In 2011, the Department added newly activated water systems to the priority list to improve new water systems' knowledge of regulations and TMF responsibilities. In 2012, the Department adjusted its priorities to include proactive measures administered by technical assistance providers to help small water systems obtain and maintain TMF capacity.

Moving forward, the Department continues to look for new and innovative ways to implement the state's Strategy, improve customer satisfaction, and encourage communication, consolidation, and collaboration while promoting meaningful and effective compliance assistance measures.

3.1. Safe Drinking Water Commission

The Safe Drinking Water Commission (SDWC), authorized through section 640.105, RSMo, adopts regulations for the implementation, administration, and enforcement of Missouri's safe drinking

water statutes, approves the DWSRF Intended Use Plan for grants and loans, sets the primacy fee, and advises the Department about various drinking water issues. The SDWC members represent various sized water systems and the general public. The SDWC is a valuable conduit for stakeholder input on drinking water related issues.

3.2. Stakeholder Involvement

The Department seeks stakeholder input on the state’s Strategy through the biennial TMF capacity survey as well as through open discussion and comment at conferences and meetings. During FFY19:

- The SDWC held four open meetings during which the Department presented on a variety of topics, including the FFY18 Annual Capacity Development Report.
- The Department hosted five “Funding for the Future” Water and Wastewater Infrastructure Financing Workshops.
- The Department hosted a free Drought and Water Loss Workshop in partnership with the Missouri Public Utility Alliance (MPUA), Missouri Rural Water Association (MRWA), and EPA.
- The Department presented at the MRWA Technical Conference, the Missouri Water and Wastewater Conference, the American Water Works Association Conference, the EPA-ORD PFAS ROCS Net Conference, and the Area-Wide Optimization Program (AWOP) National Meeting.

3.3. Coordination

The Department fosters coordination among the following programs and agencies to help water systems obtain and maintain compliance with all national primary drinking water regulations:

- The Branch coordinates compliance assistance efforts with the Department’s five Regional Offices and Central Field Operations.
- The Branch coordinates regional water supply studies with the Department’s Water Resources Center.
- The Branch serves as a member of the Missouri Water and Wastewater Review Committee (MWWRC). The MWWRC has members from the Department, as well as staff from other agencies that administer Rural Development and Community Development Block Grants. The MWWRC meets monthly, as needed, to discuss the needs of all applicants, including DWSRF project applicants, and to coordinate possible funding options to fit those needs. Water systems may use the funds to consolidate two water systems; upgrade source, treatment, storage, and distribution systems; or perform other measures to achieve TMF compliance.
- The Branch coordinates with the following labs to assist water systems with monitoring and sampling requirements:
 - The Department’s Environmental Services Program regarding chemical monitoring sample kits and laboratory services for water systems.
 - The Missouri Department of Health and Senior Services-State Public Health Lab (SPHL) for bacteriological analyses for water systems, and coordination with the statewide SPHL courier service for timely delivery of water samples for analytical analysis.
 - The St. Louis County Health Lab for radiological sample kits and laboratory services for water systems.
 - The Iowa Hygienic Lab for Cryptosporidium sample kits and laboratory services under the Long Term 2 Enhanced Surface Water Treatment Rule for community water systems.

- The Pace Analytical Lab for the Unregulated Contaminant Monitoring Rule (UCMR) sample kits and laboratory services for large (>10,000 population) water systems required to sample under UCMR4.
- The Branch met with the Midwest Assistance Program (MAP), MRWA, and the Environmental Finance Center (EFC) to coordinate technical assistance activities throughout the state and gather stakeholder input.

3.4. Branch Staffing

The Branch ended FFY19 with 37 employees and 4 vacancies. Staff had a combined total of 199 years of service with the Branch at the end of the federal fiscal year. Years of service ranged from less than 1 year to over 27 years, with a median value of 4.3, a slight decrease from last year. Eight Branch staff resigned during FFY19 with a combined total of 33 years of service. The Branch is most effective when fully staffed. During FFY19, the Branch hired 9 new employees.

3.5. Professional Development

The Department achieves successful implementation of the Strategy when staff have the tools and resources to provide effective and efficient services. In order to achieve this, the Department offered the following internal trainings during FFY19:

- The Department coordinated with three municipalities and one water and sewer company in mid-Missouri to tour one water system and six wastewater treatment systems. Staff attending the tours included 12 new employees and 7 summer interns. This is an opportunity for staff to see how their daily work affects the environment and communities served by public water and wastewater systems.
- The Department developed two new geographic information system tools to assist staff in obtaining the most up to date and accurate information possible regarding water system inventory and potential natural disasters. Branch staff provided training for the Public Drinking Water ArcReader Map and the Division of Environmental Quality provided web-based training for the Emergency Event Viewer.
- The Branch coordinated with MRWA to hold one financial training for staff reviewing TMF capacity.
- In FFY19, the state of Missouri launched MO Learning, an online training platform powered by LinkedIn Learning. Staff throughout the state are encouraged to complete at least one hour of professional development training in MO Learning monthly.

4.0 New Systems Strategy

As outlined in Section 1420(a) of the SDWA, a state shall receive only 80 percent of the allotment that the state is otherwise entitled to receive pursuant to Section 1452 (relating to state loan funds) unless the state has obtained the legal authority or other means to ensure that all new community water systems and new nontransient, noncommunity water systems commencing operation after October 1, 1999, demonstrate TMF capacity with respect to each national primary drinking water regulation in effect, or likely to be in effect, on the date of commencement of operations.

To address new water systems in accordance with the SDWA, the Department assesses TMF capacity for community and nontransient, noncommunity water systems undergoing the permit to dispense approval process and the construction authorization process. The Department uses the TMF checklist to assess water system capacity. The Department recently updated the TMF checklist to provide additional guidance and information for each checklist item and the Department's TMF Review Team will meet in FFY20 to create templates and guidance for water systems. Additionally,

in FFY19, the Department clarified in regulation when a subdivision falls under the definition of a public water system.

Appendix A contains a list of water systems activated in the last three fiscal years, including newly constructed, newly discovered, and reactivated water systems. Newly discovered water systems are those that meet the definition of a public water system but did not receive a construction authorization permit prior to construction. Newly discovered water systems that commenced operations prior to October 1, 1999 are not subject to the Department's TMF capacity requirements.

Newly Constructed

The Department activated 12 newly constructed water systems. All of these have a properly certified operator and are in compliance with national drinking water regulations, indicating that the construction authorization process combined with the permit to dispense process is an effective means for evaluating TMF capacity. The Department assists these water systems with developing sampling protocols, record retention procedures, permit to dispense applications, and water quality investigations.

Newly Discovered

The Department activated 17 newly discovered water systems. Newly discovered water systems receive a significant amount of compliance assistance from field staff. As a result, only one newly discovered water system was in significant noncompliance and lacking a properly certified operator at the end of FFY19. The Department continues to address the number of newly discovered water systems.

5.0 Comprehensive System Strategy

The Department actively monitors water system data to identify struggling and marginal water systems for focused compliance assistance. The Department is improving TMF tracking and quantifying capacity development success. TMF tracking consists of comparison and analysis of biennial TMF capacity survey data, water system progression tracking through circuit rider assistance, and documentation and compliance rate tracking. The Department provides formal and informal notifications and assistance to water systems with pending noncompliance and keeps water systems apprised of TMF issues.

6.0 Prioritized TMF Indicators and Assistance Types

While noncompliance can be an indicator of TMF challenges, it is possible for a water system to have TMF issues without compliance problems. The Department attempts to account for this when prioritizing water systems for assistance. The Department uses the following criteria to identify priority water systems:

- Water systems that report water loss and managerial issues through voluntary TMF capacity surveys.
- Water systems that request assistance with leak detection and rate-setting services.
- Water systems struggling to maintain or failing to report chlorine levels.
- Water systems in noncompliance, including those without a permit to dispense, without a properly certified operator, or with health-based violations.
- Water systems required to demonstrate TMF capacity as part of a formal enforcement action.
- Water systems that need additional assistance for specific situations, including those identified through sanitary surveys and requests for technical assistance.

7.0 Water System Assistance Measures

7.1. Permits & Engineering

Through the permitting process, the Department helps water systems obtain and maintain TMF capacity. In FFY19, the Department issued 14 new permits to dispense requiring documentation to demonstrate TMF capacity. In addition, the Department issued 25 permit transfers to community and nontransient, noncommunity water systems aiding existing water systems in maintaining managerial capacity. Finally, the Department reviewed and issued 334 construction authorization permits during the reporting period, which helps existing water systems maintain technical capacity.

Engineering Report Services Grants

During FFY19, the Department awarded \$243,108 to 13 small community water systems for Engineering Report services grants. Awardees are eligible to receive up to 80 percent of the cost for Engineering Report services, up to a maximum of \$20,000. Disadvantaged communities are eligible to receive up to 100 percent of the cost for Engineering Report services, up to a maximum of \$25,000. Using the grant funding, water systems hire an engineer to complete an Engineering Report. The engineer performs a thorough evaluation of the water system, the first step toward implementing changes to help the water system achieve and maintain compliance with the National Primary Drinking Water Regulations and the Missouri Safe Drinking Water Law and Regulations. Depending on the water system's needs, recommended changes may include restructuring, regionalization, operational changes, treatment changes, infrastructure improvements, or other TMF improvements.

7.2. Operator Certification Program

Drinking water operators are responsible for maintaining safe and reliable operations of drinking water treatment and distribution facilities. The operator certification program provides operators the opportunity to acquire the knowledge, skill, and ability to perform their duties and keeps operators apprised of new regulations and emerging technologies.

Operator Certification Vouchers

The Department issues drinking water training vouchers annually to approximately 1,500 community and nontransient, noncommunity water systems serving 3,300 people or less. Water system personnel use vouchers to pay for operator certification fees and eligible drinking water training fees for existing operators or new personnel. Water systems have flexibility to manage voucher use by determining who may use the vouchers, allowing water systems to use the vouchers in a manner that best meets their needs. In FFY19, 776 certified operators representing 680 water systems utilized vouchers. Uncertified individuals also used vouchers in an effort to become certified. Processed vouchers totaled \$282,840 for FFY19.

Water Systems without Properly Certified Operators

Missouri has 1,650 water systems that require a certified operator. At the end of FFY19, 24 water systems did not have a properly certified operator. The compliance rate for the end of FFY19 was 98 percent. In order to assist these water systems in obtaining a properly certified operator, the Department provides the following compliance assistance efforts:

- Department-issued training vouchers that water systems can use to pay for training courses and certification exam fees.
- A website that lists certified operators who have self-identified as being available for contract operations.

- Circuit riders that provide a variety of assistance to water systems, including answering questions related to certification.
- Frequent opportunities throughout the year and across the state to take certification exams.
- Partnership with the Missouri Department of Corrections to provide training courses in a correctional institution.

Operator Certification Trainings and Examinations

During FFY19, Regional Office staff provided 11 multi-day pre-certification and 53 single-day renewal hour classes. Appendix B contains a list of all courses presented by the Department for drinking water operator pre-certification or renewal hours. Department staff are encouraged to attend operator certification classes as a way to build technical knowledge and expertise. The Department offers operator certification exams monthly within the central region, quarterly within each additional region, and special exam sessions upon request. During FFY19, the Department held 72 exam sessions.

Water and Wastewater Digest

The Water and Wastewater Digest (Digest) is a quarterly newsletter designed to keep drinking water and wastewater operators informed about the Department's Operator Certification Program, regulatory issues, the voucher program, exams, and certification. The Department routinely uses the Digest as a platform for highlighting capacity development activities and assistance efforts. The Digest is available on the Department's website with a link emailed to over 3,300 certified operators and mailed to approximately 5,800 operators and 190 people or organizations.

Agency Partnership for Workforce Development

The Missouri Department of Natural Resources and the Missouri Department of Corrections developed a special initiative called the Water and Wastewater Training Program for Prisoners. Created in 2017, the program contributes to workforce development and provides career opportunities for ex-offenders. In December 2017, the first wastewater treatment operator certification training course held in a Missouri correctional institution accepted 15 offenders. During FFY19, the Department hosted the second drinking water distribution course. At the course's conclusion, attendees take an operator certification exam to become certified operators. The Department has issued wastewater treatment Level D and drinking water distribution Level 1 certificates to successful applicants.

7.3. Drinking Water Monitoring

Consumer Confidence Reports

In FFY19, 1405 community water systems were required to complete CCRs. As of October 21, 2019, approximately 94% of community water systems have submitted their CCR certification to the Department. Of these, the Department received 93% by October 1. The Department continues to focus on efforts to enhance understanding, improve compliance, and highlight the significance of CCRs. These efforts include one-on-one assistance to resolve CCR errors, automated phone call reminders through the auto dialer program, and reminder letters and follow-up contacts with water systems before the deadline of CCR submission.

Unregulated Contaminant Monitoring Rule 4

Monitoring for EPA's Unregulated Contaminant Monitoring Rule (UCMR) 4 began in 2018 for 112 Missouri water systems. As part of the EPA Model Partnership Agreement for supporting the

implementation of UCMR 4, the Department actively coordinates with the large water systems, serving 10,000 or more persons, required to participate. Sampling for the 71 large water systems began in 2019. EPA does not contract laboratory services or cover the cost of analytical testing for large water systems. Therefore, the Department has prepared UCMR 4 monitoring schedules for each water system and contracted analytical testing services with a commercial laboratory.

EPA randomly selected the remaining 41 water systems, serving populations less than 10,000 persons. The Department coordinates sample schedules with these water systems to ensure sample results are representative. For instance, smaller water systems that are part of a larger water system's combined distribution system sample with the monitoring schedule of the larger water system. Cooperative coordination between the water systems and the Department is vital in revising sample schedules and selecting sampling locations.

Disinfection Byproducts

Since the implementation of the Stage 2 DBP Rule, the Department has worked with water systems to provide assistance, guidance, and oversight for monitoring and compliance. The Department develops sampling schedules, helps to identify sampling locations, and provides guidance on sample collection and analyses. The Department works closely with DBP exceeders to assist in investigations of DBP formation and discuss possible solutions. Since full implementation of the DBP Rule, the total number of systems out of compliance with DBPs during a single quarter peaked at 59 in 2016. As of the second quarter of 2019, 12 water systems, including 7 consecutive water systems, were out of compliance with the DBP Rule.

To address noncompliance with the Stage 2 DBP Rule, the Department utilizes the Stage 2 DBP Rule Operational Evaluation Level (OEL) Report. Eight water systems completed and returned an OEL Report to the Department in FFY19. As a result of the Department's ongoing efforts, six water systems reported attempted corrective actions ranging from increased flushing and operation changes to discussions with their primary. Two water systems are conducting pilot studies and one water system submitted an engineering report.

Revised Total Coliform Rule

As of April 1, 2016, all public water systems were required to comply with EPA's Revised Total Coliform Rule (RTCR). Total coliforms are an indicator of the adequacy of water treatment and the integrity of distribution systems. Since the inception of the rule, the Department has continued to work with water systems by providing RTCR guidance and compliance assistance. Recent Department efforts have focused on certification of seasonal water system startup procedures and Level 1 and Level 2 Assessments. Only two of the 381 seasonal water systems received RTCR violations for failure to certify completion of startup procedures during the 2019 operating season.

In order to provide timely and efficient compliance assistance for Level 1 and Level 2 Assessments, the Branch provides weekly updates to drinking water staff regarding validated RTCR Treatment Technique Trigger exceedances. Water systems triggered 333 RTCR assessments during FFY19, an increase in the total number of assessments from FFY18. Department staff conducted 126 Level 2 Assessments, of which 18 were due to E. coli MCL violations. In FFY19, the remaining 315 assessments triggered were due to multiple positive total coliform samples and failure to collect the required repeat samples. To assist in reducing RTCR assessments triggered and violations, the Department partners with MRWA through the EPA T/TA Grant to educate water systems on the RTCR, including sampling techniques and regulations.

7.4. Source Water Protection

Primary water systems in Missouri produce drinking water from local and regional sources such as streams, reservoirs, and groundwater wells. The Department's source water protection program provides technical and other assistance to community water systems to develop and implement voluntary, local management plans to protect these vital resources from additional contamination. The program encourages local communities to work collaboratively to identify the range of risks that may threaten their unique water source and to implement management strategies that are effective and efficient. An additional benefit of local source water protection planning is that participating communities are better prepared to participate and contribute to regional or statewide planning and protection efforts.

Source Water Protection Plans

An effective local source water protection plan includes information about potential risks to a raw water source and the steps, goals, measures, and milestones a water system can employ to minimize identified threats. Although some water systems and communities use zoning laws and ordinances to protect sensitive areas, most local protection plans rely on voluntary participation and cooperation from the greater community. For this reason, public involvement and stakeholder collaboration is a critical element of any local protection plan. Treatment of raw water and maintenance of a water system's infrastructure are expensive, regardless of the size of the system or the population served. Source water protection planning supports a water system's TMF capabilities by preserving water quality at the source and minimizing costly treatment and infrastructure upgrades.

The Department has 75 endorsed source water and wellhead protection plans for community water systems, with 13 plans under revision by local protection planning teams. Combined, these water systems serve almost 15 percent of the population in Missouri that purchases water from a community water system.

Source Water Protection Financial Assistance

The Department began offering financial assistance to support local source water protection efforts in 2006 through the Source Water Protection Development and Implementation assistance program. A similar program, established in 2008, provides assistance to groundwater-based systems to plug abandoned drinking water wells. During FFY19, the Department offered seven abandoned well plugging awards to community water systems for a total of \$59,691.25 in awarded funding.

Interactive Source Water Protection Maps

The Department continues to contract with the University of Missouri's Center for Applied Research and Engagement Systems to maintain an interactive mapping platform for water systems. This allows water systems to customize their source water assessment maps to meet specific needs and objectives.

7.5. Field Compliance Assistance

In FFY19, the Department conducted 5,680 inspection and non-inspection efforts for water systems, as outlined in the corresponding chart¹. The chart includes inspection and non-inspection efforts for community; nontransient, noncommunity; and transient, noncommunity water systems.

Compliance assistance staff in the field play a vital role in helping water systems achieve and maintain compliance. Field activities include assistance with permitting, monitoring, record keeping, reporting, and concern investigations. These staff also provide recommendations on operations and potential cost-saving measures.

Inspection Effort Type	Efforts
Public Drinking Water Inspections	691
Public Drinking Water Concerns	222
Total	913
Non-Inspection Effort Type	Efforts
Construction	351
Permitting	36
General Assistance	144
Compliance Assistance	2,813
Compliance/Technical Assistance Visits	156
Investigations	1,076
Emergency or Boil Order	39
Operator Certification Training	152
Total	4,767

Additionally, during FFY19 the Department announced the formation of the Central Field Operations (CFO) to provide field staff out of the existing central office for the central counties of the state. In FFY19, the CFO began performing all field activities for drinking water and wastewater. In the future, the CFO will also take on the air and land media for the central counties. This multiyear reorganization is a step forward in the Department’s efforts to enhance service to the regulated public. Appendix C contains a map of the Division of Environmental Quality Regional Offices.

7.6. Missouri Geological Survey

Improperly constructed and poorly sited water wells can result in unnecessary long-term expenditures for a water system and, in some cases, potential contamination of the aquifer. The Branch coordinates with the Department’s Missouri Geological Survey (MGS) to ensure water systems design and construct wells in accordance with state standards. Regional offices perform a site survey for the proposed well location and collect information for MGS. MGS provides well-specific construction details (i.e., estimated casing-depth, estimated total depth, estimated yield, grout setting time, geologic hazards, and isolation radius for potential contaminants) before any drilling costs are incurred. During FFY19, MGS issued 20 estimated casing-depth letters to community and nontransient, noncommunity water systems and 8 final casing-depth approval letters. MGS also performs vulnerability assessments for community and nontransient, noncommunity water wells.

7.7. Compliance & Enforcement

As the primacy agency in Missouri, the Department is responsible for enforcement of the SDWA. To meet the requirements of Section 1420(b)(1), the Branch provides water system TMF capacity information to EPA during quarterly Enforcement Targeting Tool (ETT) discussions of water systems in significant noncompliance. The Department identifies violations and works through compliance assistance and enforcement to return water system to compliance.

In FFY19, bilateral compliance agreements achieved nearly a 94 percent success rate in returning water systems to compliance and avoiding formal enforcement actions. If the water system cannot achieve compliance through assistance efforts, a formal enforcement action may be necessary. Of the

¹ Data reported as of October 7, 2019.

99 water systems found to be in significant noncompliance, 93 percent are no longer priority water systems due to informal or formal enforcement actions taken by Department. This reduction is largely due to the Department prioritizing systems with DBP violations and long term radionuclide violations. Seven water systems remain in noncompliance without formal enforcement action in place. The Department is actively working with each of these water systems to resolve outstanding violations.

7.8. Financial Assistance Center

The Department hosted five workshops on statewide infrastructure needs and funding opportunities for drinking water and wastewater treatment systems during FFY19 in Webb City, Perry, Perryville, Jefferson City, and Harrisonville. The Department's Financial Assistance Center, 319 Nonpoint Source Grant Program and Energy Loan Program, along with the Missouri Department of Economic Development's Community Development Block Grant program and USDA-Rural Development, provided information on financial assistance opportunities. In addition, Gilmore & Bell, P.C., provided information about financing bonds and related fiscal hurdles. Attendees had the opportunity at each event to hear a success story from a local leader in their region that successfully addressed infrastructure upgrades. These free workshops reached over 160 outside community leaders, planners, consultants, and others, representing 60 communities.

7.9. Natural Disasters

2018 Drought Ongoing Efforts

Missouri's 2018 drought was notable in its localized intensities and its overall impacts to both agriculture and water systems. Abnormally dry conditions extended through fall and winter 2017, with dry conditions re-emerging in late spring 2018. Ninety-eight percent of the state experienced dry to exceptional drought conditions at the peak of the 2018 drought. In response, the Governor signed an executive order convening the Drought Assessment Committee (DAC), field staff provided compliance assistance to water systems, and the Department made emergency funding available for publicly owned community water systems impacted by drought. All of these activities helped to lessen the impacts of drought on community water systems.

The drought ended in October 2018, but the Department's efforts continue. The DAC and the Department recognized a need for drought-specific guidance documents to help water systems plan, mitigate, and recover from exceptional droughts. In response, the Department developed three new publications pertaining to water loss, water conservation, and drought preparedness. In addition, the Department partnered with MPUA, MRWA, and EPA to host a free Drought and Water Loss Workshop in Chillicothe. During the workshop, community leaders shared their stories and learned about a variety of tools available to help them identify and reduce nonrevenue water.

Emergency Funding

The Department made emergency funding available for publicly owned community water systems impacted by the 2018 drought. The Department received 21 applications. The Department referred 11 applicants to other funding assistance programs and committed emergency drought funding to 10 communities totaling \$912,568. To date, the Department has awarded four projects, totaling \$238,898. Six projects, jointly funded by the Department and Community Development Block Grant, have not completed all necessary submittals required for grant award.

Flood Assistance

Extensive flooding throughout 2019 led to evacuations, closures, and treatment challenges for water systems located along the Missouri river and its tributaries. At least 12 noncommunity water systems closed for one month or more due to flooding stages. Two large water systems, Kansas City and Lexington, incurred treatment technique violations as a result of sudden changes in the raw water quality. This change in raw water quality affected the ability of the treatment process to make fine particles settle out of the water, resulting in the failure to meet turbidity standards. The Department provided compliance assistance to these water systems and helped coordinate messaging.

In response, on July 18, 2019, Governor Parson issued Executive Order 19-14 establishing the Flood Advisory Working Group. The Flood Recovery Advisory Working Group's purpose is to provide input through a report to the governor's office on the state's short-, medium- and long-term flood recovery priorities and feedback on the state's current levee system, along with suggested changes to benefit our state and its citizens.

8.0 Technical Assistance Providers

8.1. Training and Technical Assistance for Small Systems Grant

The Department partnered with external technical assistance providers under the EPA Training and Technical Assistance for Small Systems Grant to determine priority areas for training and TMF assistance.

Missouri Rural Water Association

The Department collaborated with MRWA to provide training and technical assistance to water systems with a variety of compliance-related issues, including DBPs and RTCR. MRWA conducted 85 outreach and assistance visits, resulting in approximately 76 hours of onsite and 18.5 hours of offsite technical assistance to water systems. MRWA also provided 124 hours of formal training including five distribution system components and concepts classes, five monitoring and managing a distribution system classes, three drinking water regulations update classes, and one pump station maintenance and troubleshooting class.

Midwest Assistance Program

The Department met with MAP to discuss priorities for training and technical assistance to water systems. Additionally, the Department and MAP worked on improving coordination when the Department requested MAP staff submit monthly reports on activities assisting water systems in Missouri. MAP conducted one training for small water system operators and one training for board members and clerks during FFY19.

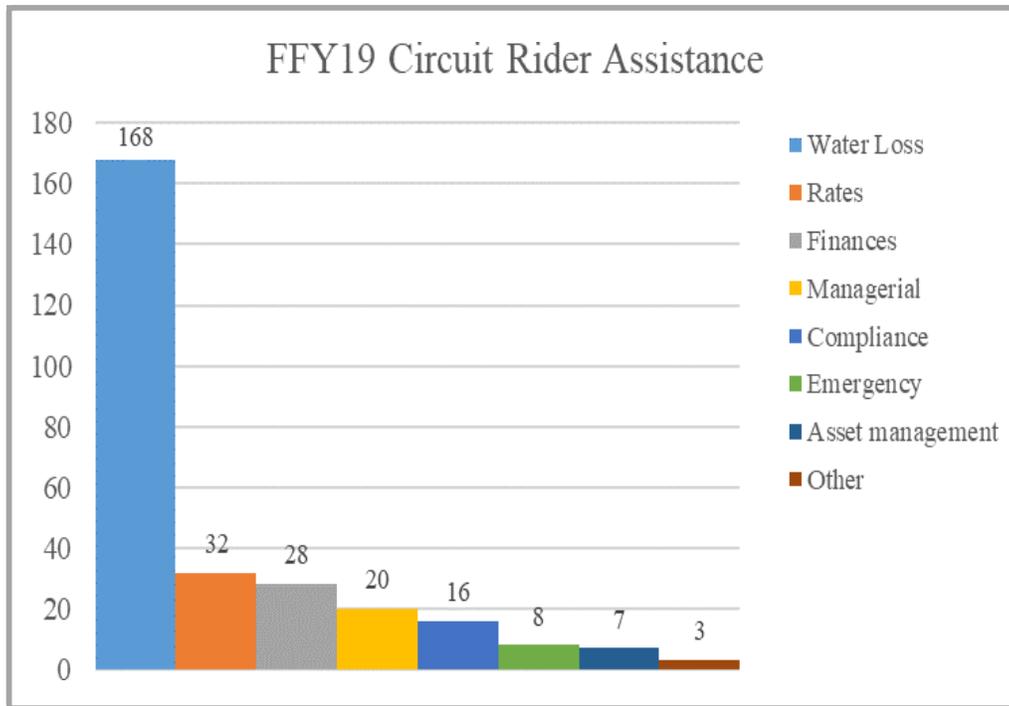
Environmental Finance Center

The Department collaborated with EFC to provide two workshops about capital improvement planning. The EFC workshops provided the 37 attendees with information about managerial and financial topics such as asset management, planning for upgrades, project funding, and communicating with board members.

8.2. MRWA Circuit Rider Technical Assistance Contract

In FFY19, the Department contracted with technical experts from MRWA, also known as circuit riders, to assist water systems facing TMF capacity challenges. The circuit riders provided assistance for water loss, rates and reserves, treatment, disinfection, asset management, distribution mapping,

The following chart summarizes circuit rider assistance efforts by assistance type. Onsite and offsite assistance visits usually involve more than one category per visit and some categories may include a range of topics.



To increase water system knowledge of TMF capacity principles, circuit riders focus efforts on the correlation of water loss to rates and reserves. By linking water loss to revenue, water systems learn about the technical aspects of locating and repairing water leaks, the managerial importance of documentation and budget keeping, and the financial benefit of reducing nonrevenue water.

Water Loss

Because of the high level of water system interest and requests for leak detection the Department, through the circuit rider contract, provided more water loss and leak detection efforts than any other type of assistance. Water loss and leak detection visits assist water systems in identifying nonrevenue water, including real or physical losses of water as well as apparent losses. Identification and reduction of nonrevenue water is a major component to achieving and maintaining TMF capacity.

Promptly repairing leaks can result in cost savings for a water system not only in recovered water but also in electrical and chemical savings. In FFY19, circuit riders performed 92 leak detection visits using specialized equipment. Water systems promptly repairing leaks resulted in nearly 54 million gallons of water saved per month and approximately \$25,000 in monthly electrical and chemical savings. Additional costs associated with nonrevenue water include wear and tear on pumps, cost of equipment, labor, and materials for repair, and customer inconvenience.

Rate Assessments

Rate assistance helps water system personnel and management understand the necessity of rate adjustments in order to ensure revenues cover water system expenses. During a site visit to discuss rates and reserves, the circuit rider also discusses budgeting, asset inventory and management, and

strategic planning. In FFY19, the circuit rider started rate assessments for 19 water systems and concluded rate assessments for 20 water systems. After completion of a rate assessment, the circuit rider presents results to the water system decision makers, if desired by the water system. During FFY19, eight water systems implemented new rates to cover necessary expenses and reserves after receiving rate assistance and one water system expects to implement increased rates in FFY20. The rate adjustments ranged from \$3.75 to \$55.11 per 5,000 gallons. Of the rate assessments completed in FFY19, the circuit rider determined that three water systems had adequate rates and did not recommend a rate increase.

9.0 Drinking Water Contaminant Research Partnerships

University of Missouri - Columbia

The Department continued its contract with the University of Missouri Research Center to explore the causes of DBP formation at small community water systems with Stage 2 compliance issues. Achieving compliance is difficult for small water systems because formation of DBPs is complicated and specific to the characteristics of each raw water source, treatment plant configuration, and operations.

Civil and environmental engineering staff and students visit each water system multiple times to perform detailed evaluations before presenting a final report to the water system. The final report may include recommendations for source water management techniques, changes in treatment chemicals, changes in chemical injection locations, more robust jar testing procedures, construction of additional treatment basins, aeration in finished water storage facilities, or converting free chlorine residuals to chloramines. Since 2012, 16 water systems have participated in the DBP study. Of those, only one water system was out of compliance with DBPs at the end of FFY19.

Missouri University of Science and Technology

The Department administered a contract with the Missouri University of Science and Technology to address significant issues faced by the state with respect to drinking water quality and treatment. The agreement provides an important proactive approach to help water systems provide safe drinking water by looking at water treatment processes related to DBP formation and providing recommendations to improve drinking water quality. The university completed two DBP studies in FFY19 and presented the final reports, including recommendations, to participating water systems.

EPA DBP Study

In January 2019, EPA approved funding to study water systems in Missouri with DBP violations. The goal of the study is to establish a DBP baseline for each water system and determine where TTHM formation is occurring. Fifteen water systems participated in the study. Operators collected three rounds of water samples from June through August 2019 and sent samples to an EPA lab for analysis. Results of the study will be available in FFY20.

10.0 Red Tape Reduction

In response to Executive Order 17-03, Branch staff reviewed all 62 rules of the Missouri Safe Drinking Water Regulations. This review resulted in a total of 6 rescissions and 31 amendments to the regulations. The Branch met the initiative's goal of reducing burdensome or needless regulations on individuals, businesses, and economic growth activities, while maintaining our ability to protect public health, safety, and natural resources.

As part of the Red Tape Reduction process, the Department solicited public comment at public meetings, through an email subscription service, and on the Department website. The Branch received 18 comments, several of which resulted in policy changes or rule amendments. Some of those changes included allowing water systems to change billing procedures without notifying the Department, allowing the use of additional types of backflow assembly devices, and establishing Construction Authorization Permit exemptions for routine maintenance and repair. The Department amended the Drinking Water Operator Certification rules to aid small water systems in meeting operator certification requirements and changed monitoring rules to reduce the frequency of required operational monitoring where it will not impact public health.

11.0 Goals

Future goals include continued implementation of the state's Strategy along with the following improvements and innovations.

11.1. Increase TMF through Consolidation and Interconnection

In an effort to help small water systems obtain and maintain TMF capacity, the Department promotes consolidation and regionalization of Missouri's water and wastewater systems. The Department's goal is to impact 25 percent of water and wastewater systems in five years. In order to accomplish this goal, the Department developed several tools, including fact sheets and an online map for water and wastewater systems to explore consolidation opportunities. The Department is also considering financial incentives and other means, including capacity development activities, to encourage consolidation and target priority systems.

11.2. Strategy Assessment and Revisions

The Department will periodically assess the state's Strategy to ensure its continued success. In response to Section 2012 of the America's Water Infrastructure Act, the Department will review and update the Strategy to include a description of how the state will, as appropriate, encourage development by water systems of asset management plans that include best practices for asset management. The state will also assist, including through the provision of technical assistance, water systems in training operators or other relevant and appropriate persons in implementing such asset management plans.

11.3. Fact Sheets and Templates

The Department continues to develop and revise fact sheets and templates, as necessary, to provide guidance and recommendations on procedures and processes at water systems. All Department-generated publications are available to the public on the Department website.

11.4. Enhancement of Communication with Water Systems

Automated Drinking Water Reminder Notification System (Auto Dialer)

The Department piloted an automated notification system, PhoneTree, in FFY18 and continued using the software in FFY19. As a result of these efforts, Laboratory Fee Notices of Violation (NOVs) reduced by 50 percent in FFY19 compared to FFY18. Impacts associated with this effort include a reduction in NOVs sent certified mail as well as a reduction in time spent tracking violations and assisting water systems in returning to compliance. The Department also used the software to provide CCR notifications and reminders. As a result of these efforts, the number of water systems with outstanding CCR certifications, as of September 1, reduced by approximately 50 percent in FFY19 compared to FFY18. Impacts associated with this effort include a reduction in staff time to provide

CCR compliance assistance. As a whole, customer feedback has been positive and the state is looking to expand the use of this tool in FFY20.

GovDelivery

The Department uses an email subscription service, GovDelivery, to provide Department-issued updates including drinking water-related activities, to the public. The Branch used this tool in FFY19 to enhance communication with water systems to promote TMF assistance efforts, such as training announcements. Staff analyze TMF survey results to prioritize training topics and locations, and to notify interested parties via email. The Department continues to explore ways to use this tool for effective communications with the public.

11.5. Area-Wide Optimization Program

The AWOP Team plans to focus on turbidity monitoring and distribution system optimization for surface water systems and provide training to Department staff to perform Comprehensive Performance Evaluations. AWOP trainings assist operators in optimizing design, operation, and maintenance of distribution systems and are an important tool in helping water systems achieve and maintain TMF capacity.

11.6. Training Opportunity

Capacity Development and Source Water Protection staff plan to develop training for the Department in FFY20. Trainings will focus on TMF concepts, services available through technical assistance provider contracts, rate and reserves, source water protection plans, mapping, project funding for water systems, and other associated topics.

11.7. TMF Review Team

In order to increase staff understanding of TMF principles and reduce staff time associated with TMF reviews, the Department established a TMF Review Team. The team first met in FFY18 and will continue to meet in FFY20. The team has discussed updates to the TMF checklist and development of a TMF packet for small water systems to provide additional background information and templates for water systems required to show TMF capacity.

11.8. Bathymetric Surveys and Reservoir Water Supply Studies

The Department contracted with the U.S. Geological Survey (USGS) to conduct bathymetric surveys of select drinking water reservoirs in Missouri. Starting fall 2019, USGS is surveying reservoirs to provide accurate and updated storage capacity data. The Department will use these data to conduct yield studies for those reservoirs to determine how much water they can supply during drought conditions. Updated yield studies will give communities that depend on reservoirs for drinking water an idea of how their reservoirs have changed since the previous surveys as much as 15 years ago and give them more information to make water management decisions.

11.9. Missouri Water Resources Plan

The Department has nearly completed updating the Missouri Water Resources Plan update. During this update, early efforts focused on estimating current and future water-use needs, evaluating surface water and groundwater supplies, and evaluating water infrastructure. As the plan nears completion, efforts have shifted to exploring funding options for water projects, options and strategies for addressing water resources challenges, scenario planning, and adaptive management. The plan continues to benefit from stakeholder input through technical workgroups and the support of the Interagency Task Force. Once completed, the plan will provide a long-range, comprehensive strategy with an understanding of Missouri's water resource needs. The information collected for the plan will

help ensure that Missouri's water resources will meet future needs by identifying areas where developing new and more sustainable water sources, better infrastructure, and more integrated water supplies can help support water delivery in the face of stresses on supply, such as a drought and increasing demand.

Appendix A

Appendix A
FFY19 New Systems

PWSID	PWS Name	System Type	Activity Date	Activity Status	Activity Type	Permit to Dispense	Properly Certified Operator	Enforcement Tracking Tool Score ≥ 11
MO1031517	CEDAR GATE ESTATES	C	04/10/18	A	Discovered	-	Yes	No
MO4041636	LEAD M THE OAKS	C	12/12/16	A	Discovered	12/08/17	Yes	No
MO4071423	NEW HOPE RESIDENTIAL CARE INC	C	05/17/19	A	Discovered	09/24/19	Yes	No
MO4071647	ENCLAVE APTS & AFFORDABLE MINI STORAGE	C	07/12/18	A	Discovered	-	Yes	No
MO4273210	FARMINGTON MENNONITE CHURCH	NTNC	01/10/17	A	Discovered	04/24/17	Yes	No
MO5031641	PARK WOODS WATER COMPANY INC	C	12/18/17	A	Discovered	02/23/18	Yes	No
MO5031649	SUNSHINE ACRES SUBD	C	10/17/18	A	Discovered	-	Yes	No
MO5283256	RICHMOND MONROE GROUP INC	NTNC	10/16/18	A	Discovered	12/13/18	Yes	No
MO6030021	CHAMPION FARMS SUBDIVISION	C	01/31/17	A	Discovered	-	No	Yes
MO6031642	PINE LAKE ESTATES	C	07/16/18	A	Discovered	-	Yes	No
MO6041644	TERRISAN	C	07/16/18	A	Discovered	-	Yes	No
MO6041645	JEFFCO MHP	C	07/16/18	A	Discovered	-	Yes	No
MO6041646	GREENFIELD MANOR MHP	C	07/16/18	A	Discovered	02/15/19	Yes	No
MO6041648	PRAIRIE DELL MHP	C	07/17/18	A	Discovered	08/26/19	Yes	No
MO6041655	COUNTRY HORIZON MHP	C	08/22/19	A	Discovered	-	Yes	No
MO6251637	BUELAH LAND ESTATES	C	12/28/16	A	Discovered	04/30/19	Yes	No
MO6283208	COASTAL CARRIERS	NTNC	06/15/17	A	Discovered	01/25/19	Yes	No
MO1041639	TRIPLE L TRAILER PARK	C	12/19/18	A/I	Inactive	N/A	N/A	N/A
MO6061638	SUNSHINE HOME CARE	C	03/25/19	A/I	Inactive	N/A	N/A	N/A
MO1041650	TWIN LAKES MHP	C	04/19/19	A	New	04/12/19	Yes	No
MO1041651	MOIN MIDWEST MHP	C	04/23/19	A	New	04/23/19	Yes	No
MO1041653	ST JOSEPH MHP TRILEVEL	C	05/17/19	A	New	04/23/19	Yes	No
MO1041654	HILLVIEW MHP	C	04/23/19	A	New	04/23/19	Yes	No
MO2021598	HOWARD COUNTY REGIONAL WATER COMM	C	03/21/17	A	New	04/06/17	Yes	No
MO4071640	THE LEGACY RANCH	C	09/29/17	A	New	05/15/18	Yes	No
MO5031481	OAK BROOK ESTATES SUBD	C	08/09/18	A	New	03/20/19	Yes	No
MO5031570	KAHALA ESTATES	C	05/15/18	A	New	03/13/19	Yes	No

Appendix A
FFY19 New Systems

PWSID	PWS Name	System Type	Activity Date	Activity Status	Activity Type	Permit to Dispense	Properly Certified Operator	Enforcement Tracking Tool Score ≥ 11
MO5163162	HOLLISTER RV SCHOOL DISTRICT AG BLDG	NTNC	12/22/16	A	New	Received	Yes	No
MO6031425	SUMMERS CROSSING SUBDIVISION	C	07/16/18	A	New	06/18/19	Yes	No
MO6031488	STONE RIDGE MEADOWS	C	06/20/19	A	New	-	Yes	No
MO6283254	TEMCO	NTNC	08/01/19	A	New	Received	Yes	No
MO3010146	MO AMERICAN JEFFERSON CITY NORTH	C	10/10/17	A	Reactivated	06/15/99	Yes	No
MO3302411	WINDSOR APARTMENTS	C	12/07/16	A	Reactivated	02/23/18	Yes	No
MO4170524	STEPPING STONES PRESCHOOL & DAYCARE	NTNC	12/07/17	A	Reactivated	11/19/18	Yes	No
MO5031298	BLUE RIDGE ESTATES SUBD	C	01/23/18	A	Reactivated	12/18/18	Yes	No
MO5211955	SHEPHERD OF THE HILLS	NTNC	07/21/17	A	Reactivated	10/27/94	Yes	No
MO6031607	HOLTGREWE FARMS SUBDIVISION	C	08/10/17	A	Reactivated	-	Yes	No

C=Community

NTNC=Nontransient, Noncommunity

Appendix B

Appendix B
FFY19 MDNR Operator Certification Courses

SPONSOR	TITLE	Course Number	Start Date	Days	Drinking Water	Drinking Water Distribution Hrs	Wastewater Hrs
MDNR-NERO	Multi-Level Water Treatment Certification	1802919	10/2/2018	12	72	44.5	24.5
MDNR-SERO	10 Day Drinking Water & Distribution Certification	1804832	10/2/2018	10	52.5	49	19
MDNR-SERO	10 Day Drinking Water & Distribution Certification	1904006	1/8/2019	10	52.5	49	19
MDNR-SERO	10 Day Drinking Water & Distribution Certification	1904316	4/23/2019	10	54.5	54	20
MDNR-NERO	Distribution System Operator Certification	1901041	1/8/2019	8	39.5	46.5	19
MDNR-SWRO	8 Day Multi-level Distribution Class	1905434	5/28/2019	8	37	45	30
MDNR-SWRO	8 Day Multi-level Distribution Class	1905657	7/9/2019	8	37	45	30
MDNR-KCRO	8 Day Multi-level Distribution Class	1901512	8/14/2019	8	37	46	17
MDNR-KCRO	6 Day Water Distribution Certification Class	1801951	10/30/2018	6	30.5	39	21.5
MDNR-SLRO	6 Day Water Distribution Certification Class	1906014	1/9/2019	6	28.5	39	15.5
MDNR-SWRO	6 Day Water Distribution Certification Class	1905013	1/15/2019	6	30.5	39	21.5
MDNR-KCRO	Water Main Repair, Tapping and Disinfection	1801950	10/16/2018	1	3	6.5	0
MDNR-KCRO	Basic Math	1801906	10/16/2018	1	6.5	6.5	6.5
MDNR-KCRO	Basic Math	1801907	10/23/2018	1	6.5	6.5	6.5
MDNR-NERO	Basic Microscope Use for W & WW Operators	1802784	10/24/2018	1	6	6	6
MDNR-KCRO	Basic Math	1801908	10/30/2018	1	6.5	6.5	6.5
MDNR-SLRO	Wells and Drinking Water Sampling	18061021	11/27/2018	1	6	6	1.5
MDNR-SLRO	Water & Wastewater Math Review	18061003	11/29/2018	1	6	6	6
MDNR-SWRO	Small Water Systems - Back to Basics	1805996	12/5/2018	1	5.5	6.5	0
MDNR-KCRO	Water Main Repair, Tapping and Disinfection	1805997	12/11/2018	1	3	6.5	0
MDNR-SLRO	Disinfection - Revised Total Coliform & GW Rules	18061022	12/11/2018	1	6	4.5	2.5
MDNR-SERO	Filtration and Backwash	1804976	12/13/2018	1	6	0	0
MDNR-SERO	Filtration and Backwash	1804977	12/18/2018	1	6	0	0
MDNR-SERO	Filtration and Backwash	1804978	12/20/2018	1	6	0	0
MDNR-SWRO	Water and Wastewater Math	18051068	12/27/2018	1	6	6	6
MDNR-SERO	Water & Wastewater Math Review	18041071	12/27/2018	1	6	6	6
MDNR-SERO	Filtration and Backwash	1904005	1/3/2019	1	6	0	0
MDNR-SWRO	Packed Media Beds	1905049	1/3/2019	1	0	0	6
MDNR-KCRO	Basic Math	1901054	1/24/2019	1	6.5	6.5	6.5
MDNR-SLRO	Electricity, Motors, and Pumps	1906114	1/30/2019	1	6	6	6
MDNR-KCRO	Basic Math	1901055	1/31/2019	1	6.5	6.5	6.5
MDNR-SWRO	Small Water Systems - Back to Basics	1905127	2/19/2019	1	6.5	6.5	0
MDNR-NERO	Chlorine Analysis (Hands On)	1902111	2/20/2019	1	6	6	6

SPONSOR	TITLE	Course Number	Start Date	Days	Drinking Water	Drinking Water Distribution Hrs	Wastewater Hrs
MDNR-SWRO	Small Water Systems - Back to Basics	1905140	2/21/2019	1	5.5	6.5	0
MDNR-SERO	Small Water System Basics	1904157	2/21/2019	1	6	6	0
MDNR-KCRO	Pumps Motors & Electricity	1901056	2/21/2019	1	6.5	6.5	6.5
MDNR-SLRO	Water & Wastewater Math Review	1906209	2/26/2019	1	6	6	6
MDNR-NERO	Applied Drinking Water Math	1902110	2/27/2019	1	6	4.5	4.5
MDNR-SERO	Chemical Feed Pumps	1904156	2/28/2019	1	6	6	6
MDNR-SERO	Pumps, Motors, and Wells	1904168	3/14/2019	1	6	6	2.5
MDNR-SWRO	Small Water Systems - Back to Basics	1905257	3/20/2019	1	6.5	6.5	0
MDNR-NERO	Drinking Water Laboratory (Hands On)	1902109	3/20/2019	1	6	4.5	3.5
MDNR-SWRO	Water Main Repair, Tapping and Disinfection	1905258	3/26/2019	1	3	6.5	0
MDNR-SWRO	Chlorination & Chlorine Testing	1906335	3/27/2019	1	2.5	2.5	2.5
MDNR-SERO	Drinking Water Treatment and Distribution Review	1904158	3/28/2019	1	6	6	3
MDNR-SWRO	Water and Wastewater Math	1905138	3/28/2019	1	6	6	6
MDNR-SERO	Water & Wastewater Math Review	1904305	4/4/2019	1	6	6	6
MDNR-KCRO	Water Quality in Distribution Systems	1901369	4/16/2019	1	4.5	6	0
MDNR-KCRO	Pumps Motors & Electricity	1901052	4/16/2019	1	6.5	6.5	6.5
MDNR-NERO	How to Select and Size A Chemical Feed Pump	1902108	4/17/2019	1	6	6	6
MDNR-KCRO	Basic Math	1901234	4/23/2019	1	6.5	6.5	6.5
MDNR-NERO	Water Main Repair, Tapping and Disinfection	1902107	4/24/2019	1	4	6	0
MDNR-KCRO	Basic Math	1901235	4/30/2019	1	6.5	6.5	6.5
MDNR-KCRO	Pumps Motors & Electricity	1901237	5/14/2019	1	6.5	6.5	6.5
MDNR-KCRO	Pumps Motors & Electricity	1901236	5/22/2019	1	6.5	6.5	6.5
MDNR-KCRO	Basic Chemistry of Water Treatment	1901378	5/23/2019	1	6	4.5	3.5
MDNR-NERO	Drinking Water Plants & WPC Permit MO-G64	1902145	5/29/2019	1	6	0	6
MDNR-SWRO	Operator Safety - Safe Work Practices	1905560	6/25/2019	1	6	6	6
MDNR-SWRO	Water and Wastewater Math	1905139	6/27/2019	1	6	6	6
MDNR-KCRO	Basic Math	1901637	7/17/2019	1	6.5	6.5	6.5
MDNR-SERO	Water & Wastewater Math Review	1904740	7/24/2019	1	6	6	6
MDNR-KCRO	Basic Math	1901636	7/25/2019	1	6.5	6.5	6.5
MDNR-SLRO	Water & Wastewater Math Review	1906806	8/28/2019	1	6	6	6
MDNR-SWRO	Water and Wastewater Math	1905900	9/18/2019	1	6	6	6

Appendix C

Appendix C



Kansas City Area

- Kansas City Regional Office**
 500 NE Colbern Rd.
 Lee's Summit, MO 64086-4710
 816-251-0700 FAX: 816-622-7044

St. Louis Area

- St. Louis Regional Office**
 7545 S. Lindbergh, Ste 210
 St. Louis, MO 63125
 314-416-2960 FAX: 314-416-2970

Northeast Area

- Northeast Regional Office**
 1709 Prospect Drive
 Macon, MO 63552-2602
 660-385-8000 FAX: 660-385-8090

Southwest Area

- Southwest Regional Office**
 2040 W. Woodland
 Springfield, MO 65807-5912
 417-891-4300 FAX: 417-891-4399

Southeast Area

- Southeast Regional Office**
 2155 North Westwood Blvd.
 Poplar Bluff, MO 63901
 573-840-9750 FAX: 573-840-9754

Central Area

- Department Central Offices**
 P.O. Box 176
 Jefferson City, MO 65102-0176
 573-751-3443

Central Field Operations
 P.O. Box 176
 Jefferson City, MO 65102-0176
 573-522-3322 FAX: 573-522-3522



Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020

Agenda Item #C-2

Drinking Water Infrastructure Needs Survey & Assessment

Issue:

Financial Assistance Center Staff will provide an update on the Drinking Water Infrastructure Needs Survey and Assessment that occurs approximately every 4 years. This assessment helps determine the total national and state need for Drinking Water Infrastructure projects over the next 20 years.

Attachments:

PowerPoint presentation

Presented by:

Lauren Graessle, Environmental Engineer III, Drinking Water Unit, Financial Assistance Center



Drinking Water Infrastructure Needs Survey and Assessment (DWINSA) 2020

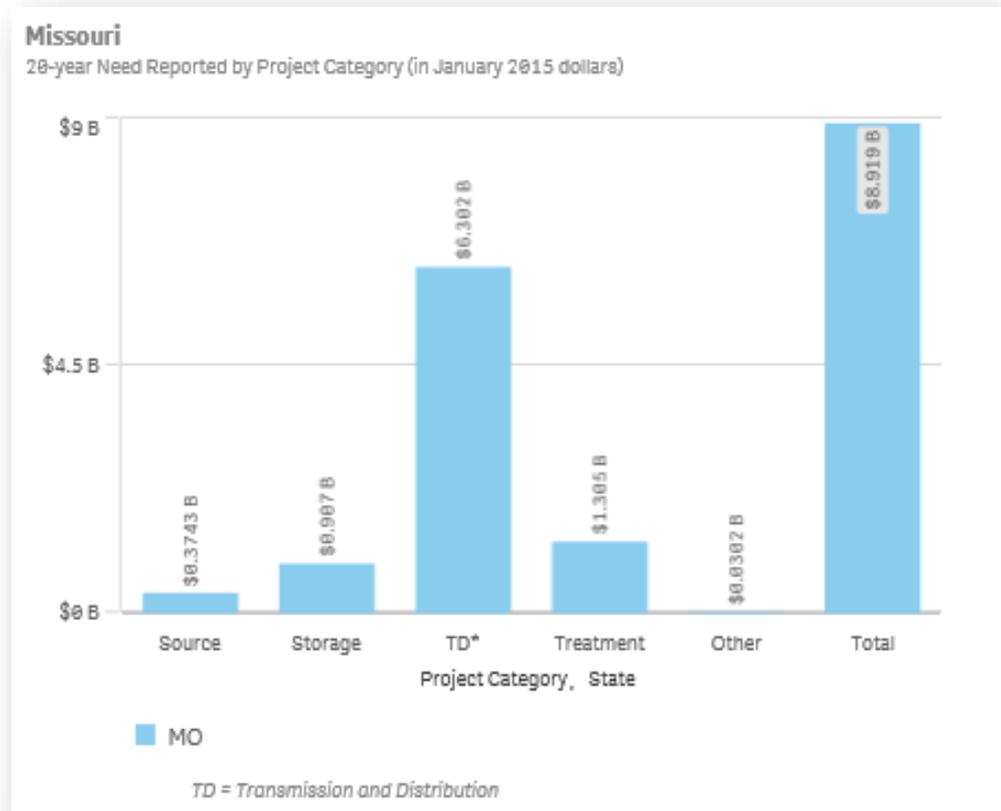
Presented by Lauren Graessle

Background Information

- The DWINSA is conducted every 4 years to determine the total national and state need for Drinking Water Infrastructure projects over the next 20 years
- The survey helps determine the annual allotment of federal funds for the Drinking Water State Revolving Fund (DWSRF) program.

2015 Survey Results

- Based on the 2015 survey the national need was \$472.6 billion
- Missouri's need was \$8.919 billion
- This equated to an allotment of 1.76% of the national DWSRF amount provided by Congress
 - FY 2020 Missouri's allotment = \$19,464,000



How it Works

- All systems having a population >100,000 are surveyed
 - Missouri has 8
- A sample of medium systems between 3,300-100,000 are surveyed
 - 104 were chosen based on source and population
- Small systems < 3,300 are surveyed by an Environmental Protection Agency (EPA) Contractor
 - 21 small systems will be surveyed

The Survey

- For each system general information is updated

2015 Drinking Water Infrastructure Needs Survey And Assessment

U.S. Environmental Protection Agency
Washington, DC 20460

OMB Control No.: 2040-0274
Approval Expires: 06/30/2018
Federal PWSID No.: MO1024278

MO1024278

Please verify or correct the following information:

		Check if Correct as Printed	Corrected Information <i>(Fill in only if preprinted information is missing or incorrect)</i>
Name of System (Community):	JACKSON CO PWSID 12	<input checked="" type="checkbox"/>	
Name of Contact:	MC LAUGHLIN, VICKIE		
Street Address:	304 N RANSON RD	<input checked="" type="checkbox"/>	
City, State, and Zip:	GREENWOOD, MO, 64034-0000		
Population Served (if wholesaler, include consecutive population as appropriate):	5,964	<input checked="" type="checkbox"/>	
Number of Connections (not including consecutive systems):	1,954	<input type="checkbox"/>	2,003
Total System Design Capacity (in MGD):	1.50	<input checked="" type="checkbox"/>	
Total Length of Pipe in System (in Feet):	212,361	<input type="checkbox"/>	213,502
Source Water Type (Ground, Surface/GWUDI, etc.):	Purchased Surface/GWUDI	Check All That Apply:	<input type="checkbox"/> Ground <input checked="" type="checkbox"/> Purchased Ground <input type="checkbox"/> Surface/GWUDI <input checked="" type="checkbox"/> Purchased Surface/GWUDI
Ownership Type:	Public	Check All That Apply:	<input checked="" type="checkbox"/> Public <input type="checkbox"/> Federal Government <input type="checkbox"/> Investor-Owned or Private Non-Profit

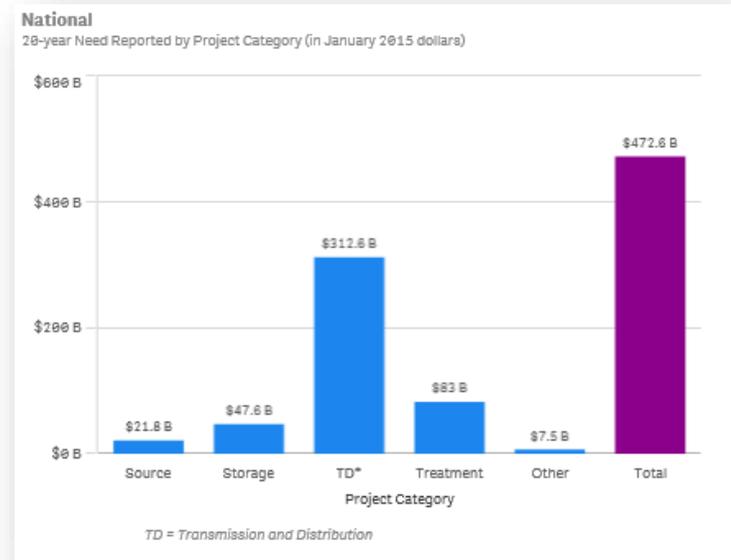
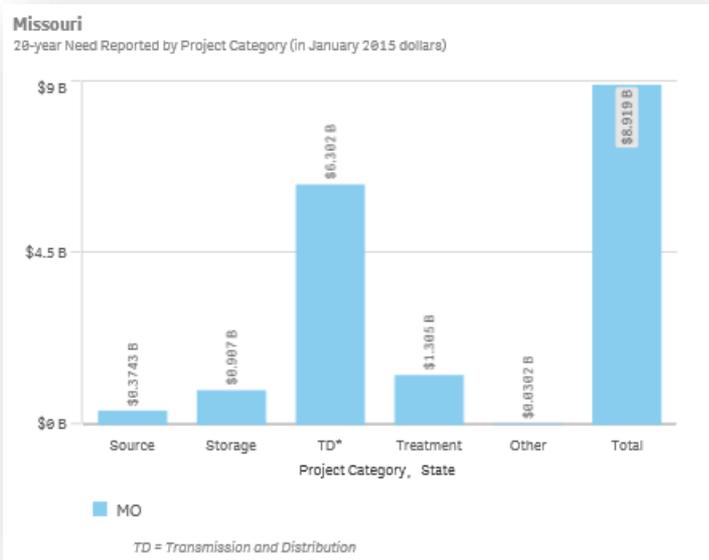
The Survey

- A project table is then filled out with all of the projects expected to be completed within the next 20 years and their expected costs

Project Table														Federal PWSID No.: MO1024278	
Project Number	Project Name	Type of Need	Reason for Need	<u>N</u> , <u>E</u> , <u>R</u> , <u>H</u> (<u>N</u> ew <u>E</u> xpand <u>R</u> eplace <u>H</u> ab)	<u>C</u> or <u>F</u> (<u>C</u> urren <u>t</u> <u>F</u> uture)	Regula- tion	Design Capacity (MG, MGD, or kW)	Diameter (inches)	Length (feet)	Number Needed	Cost Estimate	Cost Date (mm/yyyy)	Documen- tation	Remove Modify or Validate	Comment Codes
Ex. 1	Replace wells 5 and 8 at 0.5 MGD each	R1	A1	R	C	4A	0.5			2			6, 10		
Ex. 2	Replace Deteriorated Transmission Main	X2	A1	R	C	4A		24	20,000		\$4,200,000	06/2015	1		
1000	REHAB EXISTING 1 MILLION GALLON ELEVATED STORAGE TANK	S1	A1	H	F	4A	1			1			10		100
2000	REPLACEMENT OF LESS THAN OR EQUAL TO 6 INCH WATER	M1	A1	R	F	4A		6	14,888				10, 11	*	328
2001	REPLACEMENT OF 8 INCH WATER LINES	M1	A1	R	F	4A		8	5,606				10, 11	*	328
2002	REPLACEMENT OF 12 INCH WATER LINES	M1	A1	R	F	4A		12	792				10, 11	*	328
2003	REPLACEMENT OF 16 INCH WATER LINES	M1	A1	R	F	4A		16.00	64				10, 11		
3000															100
3001	REPLACE 5/8 INCH METERS	M8	A1	R	F	4A		0.625		1,992			10		100
3002															100
3003	REPLACE 2 INCH METERS	M8	A1	R	F	4A		2		11			10		100

The Survey

- Projects are based on supporting documentation like Engineering Reports, Capital Improvement Plans (CIP), and Inspection Reports
- The largest need in Missouri and nationwide is for distribution replacement projects



Additional Survey Questions

- There will be supplemental questions added as a part of the 2020 Survey on:
 1. Operator Workforce
 2. American Iron and Steel (AIS)
 3. Lead Service Lines still in use

Timeline

- Due to funding constraints the 2019 survey was delayed to 2020
- The survey was originally scheduled to be approved by EPA in June 2020, allowing for the survey to begin in July
- Due to Covid-19 the timeline has been delayed and based on the latest correspondence plans are being developed for a 6 month delay but nothing has been confirmed



Questions?

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020

Agenda Item # C-3
Proposed Fee Rule

Issue:

The Public Drinking Water Branch has completed a series of four meetings with stakeholders to discuss potential revisions to the drinking water fee structure. The stakeholder meetings resulted in a consensus proposal for a fee increase. The Department will present a summary of the stakeholder meetings and the consensus proposal to the Commission prior to the Commission voting at their next scheduled meeting on July 10th whether the Department should proceed with filing the proposed rule language with the Secretary of State to initiate the formal rulemaking process.

Attachments:

PowerPoint presentation
Stakeholder Consensus Proposal
Stakeholder Attendance Sheets
Stakeholder Feedback
Draft Rule Text (4)

Presented by:

David J. Lamb, Chief, Public Drinking Water Branch



Drinking Water Fee Structure

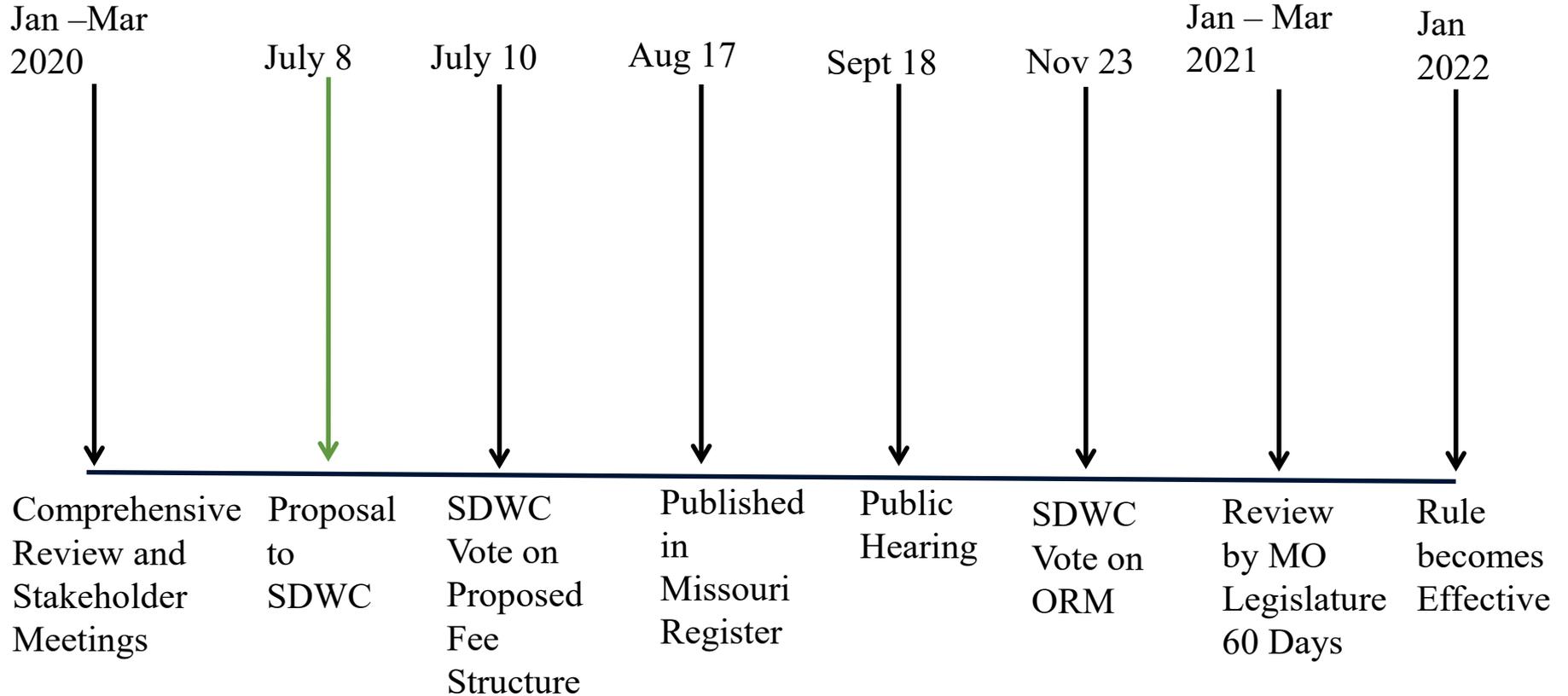
David J. Lamb, Chief

Public Drinking Water Branch

Presentation Outline

- Fee Revision Process
- Current Fee Structure
- Financial Overview
- Stakeholder Meeting Summary
- Consensus Proposal
- Proposed Rule Language
- Timeline for Rulemaking

Fee Revision Process



Current Fee Structure



Primacy Fee

- Fee established in statute in 1992, revised to current structure in 2006.
- Provides approximately \$5 million in funding for implementation of the drinking water primacy program.
- Paid annually by customers of community water systems.
- Less than 1% of water systems fail to remit fees.

Number of Connections	Fee
1 to 1,000	\$3.24
1,001 to 4,000	\$3.00
4,001 to 7,000	\$2.76
7,001 to 10,000	\$2.40
10,001 to 20,000	\$2.16
20,001 to 35,000	\$1.92
35,001 to 50,000	\$1.56
50,001 to 100,000	\$1.32
More than 100,000	\$1.08
Meter Size	Fee
Greater than 1"	\$7.44
Greater than 2" but less than 4"	\$41.16
Greater than 4"	\$82.44

Laboratory Services and Program Administration Fee

- Fee established in statute in 1992, revised to current structure in 2006.
- Provides approximately \$251,000 in funding.
- Paid annually by public water systems except where prevented by the Hancock Amendment.
- Less than 1% of water systems fail to remit fees.

System Size	Fee
Transient noncommunity system	\$100
<4,100 service connections	\$200
<7,600 service connections	\$300
7,600 or more service connections	\$500
Supplier using surface water	\$500

Other Fees – Amount Not Set in Statute

Laboratory Certification Fees

- Fees established in 1992.
- Provides approximately \$22,500 in funding annually.
- Certification fee is paid every three years.
 - Only chemical labs pay a certification or audit fee.
- Number of labs certified – 92
 - Chemical labs – 25
 - Bacti – 67

Laboratory	Fee for 3 - Year Certificate
Organic chemicals	\$2,700
Inorganic chemicals	\$1,500
Bacti	-
Laboratory audit	\$2,500

Other Fees – Amount Not Set in Statute

Operator Certification Fee Structure

Type of Fee	Current
Application	\$45
Retake Exam	\$20
Renewal (3 year certification)	\$45
Reciprocity Certification	\$65
Late Fee	\$10 up to \$20

Fee established in 1991. Provides approximately \$100,000 in annual funding.

Financial Overview

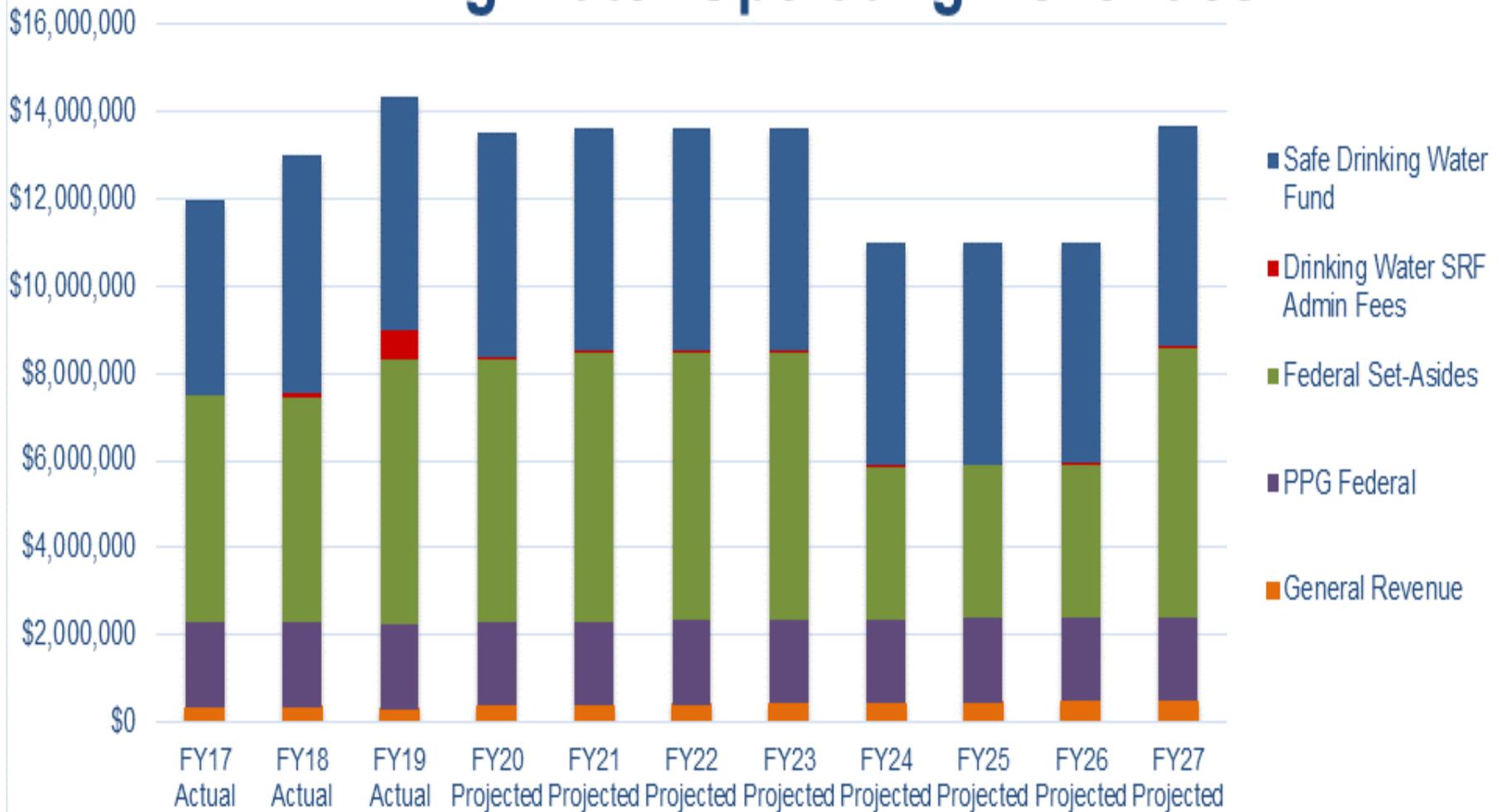


Safe Drinking Water Fund

Includes:

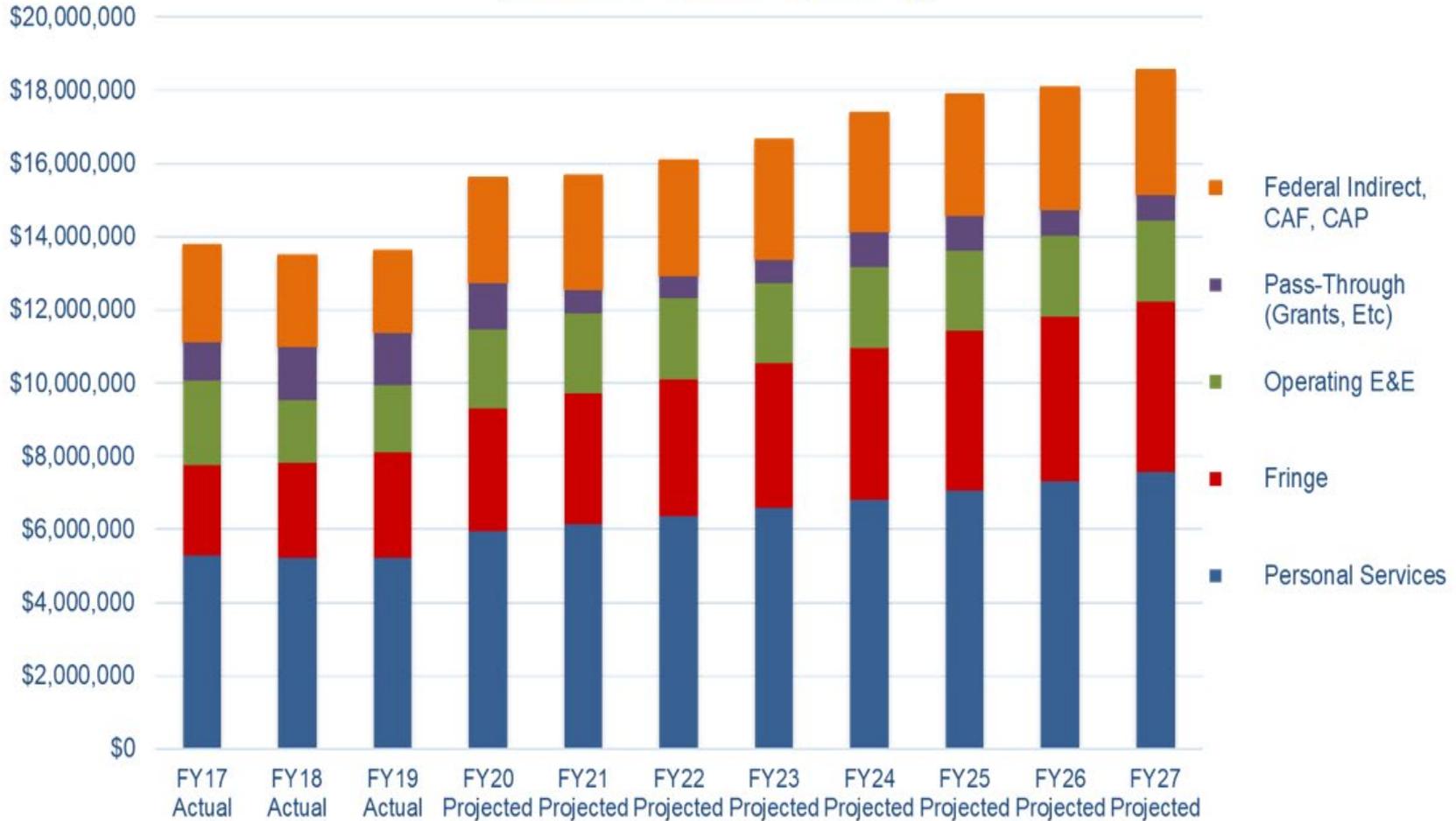
- Primacy fees.
- Laboratory Services and Program Administration fees.
- Laboratory Certification fees.
- Operator Certification fees.
- Other Miscellaneous Fees (e.g. Sunshine Law requests, settlements, witness fees, interest, refunds, etc.).

Drinking Water Operating Revenues



Drinking Water Operating Expenditures

(based on current spending)



Drinking Water Funding Five Year Shortfall (Current Spending)

FY23	FY24	FY25	FY26	FY27	Total
\$3,074,410	\$6,456,695	\$6,949,359	\$7,131,172	\$4,925,562	\$28,537,198
		Five Year Average Shortfall			\$5,707,440

Assumptions:

- Expenditures based on FY20 projected spending, not full program cost (all current positions may not be filled the full year).
- 3.5% cost of living, market adjustments, “above and beyond” included for FY23-27.
- 1% annual growth on fringe rate (capped at 62%).
- No inflationary rate for expense and equipment is included.
- Reduction in Capitalization Grant FY24-26.

Potential Future Needs FY23-FY25

	FY23	FY24	FY25	FY26	FY27
PFAS Monitoring	\$228,000	\$228,000	\$228,000	\$228,000	\$228,000
Lead & Copper Rule					
- Analytical Cost	\$41,837	\$41,837	\$41,837	\$41,837	\$41,837
- Lab Equipment	\$200,000				
- FTE	\$427,590	\$444,945	\$462,991	\$479,990	\$496,788
Perchlorate Monitoring	\$107,500	\$107,500	\$107,500	\$107,500	\$107,500
Asbestos Monitoring	\$31,250				
Total	\$1,036,177	\$822,282	\$840,328	\$857,327	\$874,125
Total FY23-FY27					\$4,430,239
Five Year Average Cost					\$886,047



Projected Five Year Shortfall



FY2023	FY2024	FY2025	FY2026	FY2027	Total
\$185,387	\$195,095	\$205,071	\$215,322	\$225,863	\$1,026,738
Five Year Average Shortfall					\$205,348

Assumptions:

- Expenditures based on FY2020 projected spending; funding 2.25 FTE beginning in FY2023.
- 3.5 percent pay plan (cost of living, market adjustments, Above and Beyond) included for FY2023-2027.
- 1% increase in fringe rate (capped at 61%).
- 1% annual courier increase included based on current contract terms.

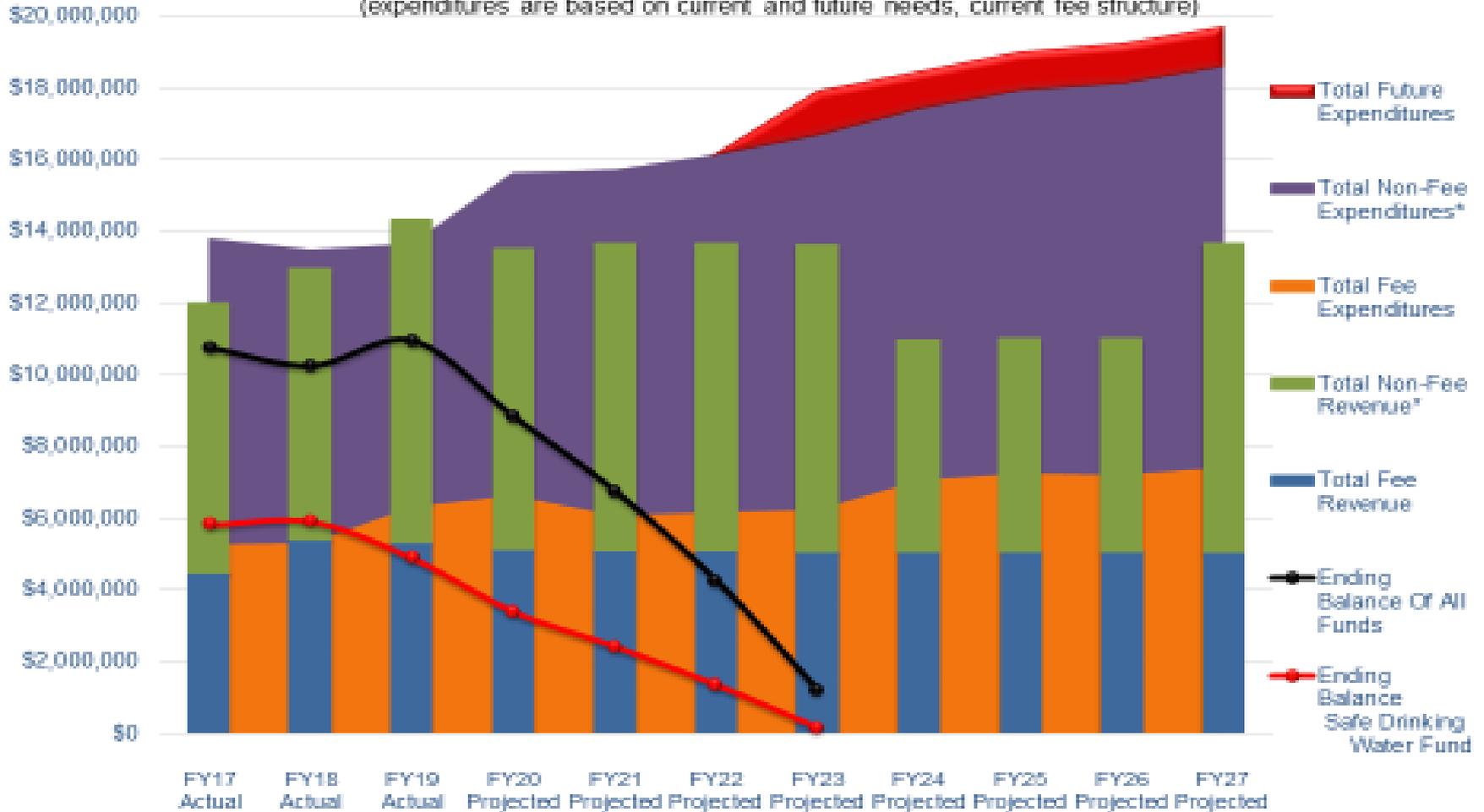
Five Year Average Annual Shortfall (Current and Future Needs)

Shortfalls	Five Year Averages FY23-27
DNR Current Spending	\$5,707,440
DNR Future Needs	\$886,047
DHSS FTE Request	\$205,348
Total	\$6,798,835



Drinking Water Funding Projected Revenues, Expenditures, & Balances

(expenditures are based on current and future needs, current fee structure)



Stakeholder Meeting Summary

- Four meetings held from January – March.
- Approximately 25 – 30 people in attendance.
- Attendance included both small and large water systems, industry associations such as Missouri Rural Water Association, Missouri Municipal League and Missouri Public Utility Alliance, and the Department of Health and Senior Services.

Stakeholder Meeting Summary

- Support expressed:
 - Stakeholders were supportive of our drinking water program and how we work with them to implement the program.
 - Stakeholders appreciated the extra services provided such as laboratory services, and consumer confidence report hosting.
 - Stakeholders did not want to see a reduction in services provided through our SRF set aside programs such as circuit riders, operator certification vouchers, and well plugging grants.

Stakeholder Meeting Summary

- Concerns expressed:
 - Fair and reasonable increase for all customers of both small and large water systems.
 - Department should hire a consultant to do a cost analysis of major components such as sanitary surveys, review of plans and specifications, etc., before the next increase.
 - Hold stakeholder meetings more frequently so the increase is less.
 - Request general revenue from General Assembly for purposes of making match for federal grants.

Consensus Proposal



Primacy Fees

Meter Size ≤ 1" per Connection	Current Fee
1 to 1,000	\$3.24
1,001 to 4,000	\$3.00
4,001 to 7,000	\$2.76
7,001 to 10,000	\$2.40
10,001 to 20,000	\$2.16
20,001 to 35,000	\$1.92
35,001 to 50,000	\$1.56
50,001 to 100,000	\$1.32
> 100,000	\$1.08
Meter Size	
> 1"	\$7.44
> 2" < 4"	\$41.16
>4"	\$82.44

Meter Size ≤ 1" per Connection	Proposed Fee
≤ 10 connections	\$50.00
11to 10,000	\$5.28
10,001 to 50,000	\$4.80
50,001 to 100,000	\$4.20
>100,000	\$3.48
Meter Size	
> 1"	\$21.00
> 2" < 4"	\$102.00
>4"	\$198.00

Lab Services Fees

System Type	Current Fee
Transient	\$100
Ground Water (Excluding Transient)	
< 4,100	\$200
4,100 – 7,599	\$300
7,600 or more	\$500
Surface Water	\$500

System Type	Proposed Fee
Transient	\$150
Ground Water (Excluding Transient)	
< 7,600	\$300
> 7,600	\$500
Surface Water	\$750

Laboratory Certification Fees

Fee Type	Current Fee
3-Year Certification Fees	
Organic Chemicals	\$2,700
Inorganic Chemicals	\$1,500
Bacti	\$-0-
Audit Fees	
Chemical Lab	\$2,500
Bacti Lab	\$-0-

Fee Type	Proposed Fee
3-Year Certification Fees	
Organic Chemicals	\$2,700
Inorganic Chemicals	\$1,500
Bacti	\$500
Audit Fees	
Chemical Lab	\$2,500
Bacti Lab	\$500

Operator Certification Fees

Fee Type	Current Fee
Application/Exam	\$45
Retake Exam	\$20
Renewal 3-Year Certificate	\$45
Reciprocity Certification	\$65
Late Fee	\$10/mo Maximum of \$20

Fee Type	Proposed Fee
Application/Exam	\$50
Retake Exam	\$50
Renewal 3-Year Certificate	\$60
Reciprocity Certification	\$75
Late Fee	\$37.50/mo Maximum of \$75

Proposed Rule Language

- Draft language includes the new fee amounts discussed on previous slides.
- Fees from Chapter 14, that include Operator Certification fees, are moving to a new rule in Chapter 16 (10 CSR 60-16.040 so that all fees are located in the same chapter.
- Language was added to the Laboratory Services and Program Administration Fees rule that says, “This rule applies to all public water systems **except those owned by a political subdivision as defined by section 70.210, RSMo.**”

Timeline for Rulemaking

- July 10, 2020 – Seek Commission approval of the proposed rule.
- September 18, 2020 – Public hearing.
- September 25, 2020 – End of public comment period.
- November 23, 2020 – Obtain final approval from the Commission and file the Order of Rulemaking.
- January 1, 2021 – April 1, 2021 – Legislative approval.
- January 1, 2022 – Effective date.

Questions?

Thank you.

Department's Rule Action Tracking System:

<https://apps5.mo.gov/proposedrules/welcome.action#OPEN>

STAKEHOLDER CONSENSUS PROPOSAL

**Missouri Department of Natural Resources - Water Protection Program - Public Drinking Water Branch
Missouri Drinking Water Primacy Fee Calculator**

Unmetered customers and those with meters less than or equal to one inch			Existing Fee Schedule		Final Proposed Fee Schedule 3/17/2020		Current Fee Schedule Proposed By AWWA WICC 03/26/2020	
Water Systems Connections	# of Public Water Supply Systems in billing rate bracket	Total # of service connections paying primacy fee	Current Primacy fee annual billing rate	Primacy fee remitted *	Proposed In Meeting Reduce Tiers	Amount Generated	Proposed In Meeting Reduce Tiers	Amount Generated
>10	36	139	50.00	1,764	50.00	1,764	50.00	1,764
11 - 1000	1,118	239,011	3.24	758,908	5.76	1,349,169	5.28	1,236,739
1001 - 4000	195	388,395	3.00	1,141,881	5.76	2,192,412	5.28	2,009,711
4001 - 7000	38	197,744	2.76	534,858	5.76	1,116,225	5.28	1,023,207
7001 - 10,000	14	113,837	2.40	267,745	5.76	642,587	5.28	589,038
10,001 - 20,000	9	117,882	2.16	249,533	4.68	540,654	4.80	554,517
20,001 - 35,000	5	127,580	1.92	240,055	4.68	585,133	4.80	600,136
35,001 - 50,000	2	86,278	1.56	131,902	4.68	395,705	4.80	405,852
50,001 - 100,000	3	224,147	1.32	289,957	4.08	896,229	4.20	922,589
> 100,000	2	531,289	1.08	562,316	3.36	1,749,428	3.48	1,811,908
Customers with meters greater than one inch			Current Primacy fee annual billing rate		Amount Generated			
Meter Size	# of meters paying primacy fee		rate	Primacy fee remitted *				
> 1" - < or = 2"	49,717		7.44	362,497	21.00	1,023,176	21.00	1,023,176
> 2" - < or = 4"	6,518		41.16	262,915	102.00	651,539	102.00	651,539
> 4"	2,527		82.44	204,159	198.00	490,339	198.00	490,339
Total Primacy Fees			5,008,489		11,634,362		11,320,515	

Deficit With Proposed Fee Schedule

\$0.12 increase **\$ (313,847.59)**

* Public Water Supply Systems retains 2% of primacy fee collected

Totals based on reported 2019 active service connections and primacy fee collections.

Approximately 1% of systems have not reported or remitted 2019 primacy fees.

9 PWSs not reporting out of 1654

Assumes:

Lab Services fee generates \$392,400

Lab Certification generates \$33,300

Operator Certification generates \$165,295 - reduces renewal fee to \$60, increases late fee to \$75

Need: \$11,859,025

Have: \$697,928

Primacy Fee needs to generate: \$11,161,097 6,759,025.00 < ----- this is the Drinking Water Program's shortfall

**Missouri Department of Natural Resources - Public Drinking Water Branch
Laboratory Services and Program Administration Fee Calculator**

Water Systems Service Connections	# of Public Water Supply Systems in billing rate bracket	Current Fee Plan		Proposed new rate	Amount Generated
		Current fee rate	Amount Submitted		
Transient	1,079	100.00	\$ 107,900	150.00	\$ 161,850
<4,100	702	200.00	\$ 140,400	300.00	\$ 210,600
4,100 - 7,599	2	300.00	\$ 600	300.00	\$ 600
7,600 or more	2	500.00	\$ 1,000	300.00	\$ 600
Surface Water	25	500.00	\$ 12,500	750.00	\$ 18,750
			\$ -		\$ -
			\$ -		\$ -
			\$ -		\$ -
			\$ -		\$ -
Total			\$ 262,400		\$ 392,400

Totals based on reported 2019 active service connections.

10 PWSs not reporting 2018 fees for 1% of 1799.

Not currently paid by municipally owned systems or water districts.

**Missouri Department of Natural Resources - Public Drinking Water Branch
Laboratory Certification Fee Calculator**

Laboratory Certification	# of Laboratories in billing rate bracket	Current Fee		Proposed new rate	Amount Generated
		Current fee rate	Amount Submitted		
Lab Audit	6	\$ 2,500	\$ 5,000	\$ 2,500	\$ 5,000
3-Year Certification Fee	33		\$ -	\$ 500	\$ 5,500
Organic Chemicals	12	\$ 2,700	\$ 10,800	\$ 2,700	\$ 10,800
Inorganic Chemicals	13	\$ 1,500	\$ 6,500	\$ 1,500	\$ 6,500
Bacti 67 total	33	\$ -	\$ -	\$ 500	\$ 5,500
			\$ -		\$ -
			\$ -		\$ -
			\$ -		\$ -
			\$ -		\$ -
Total Lab Certification Fees			\$ 22,300		\$ 33,300

Only instate pay lab audit
 Totals based on reported
 13 chemical labs (12
 67 bacti labs (33

**Missouri Department of Natural Resources Public Drinking Water Branch
 Public Drinking Water Branch
 Operator Certification Fee Calculator**

			Amount Submitted	Proposed new rate	Amount Generated
		Operators	\$ -		
Renewals	\$45	5,721	\$ 85,815	60.00	\$ 114,420
Exams	\$45	678	\$ 30,510	50.00	\$ 33,900
Retakes	\$20	281	\$ 5,620	50.00	\$ 14,050
Late fees	\$20	28	\$ 560	75.00	\$ 2,100
Reciprocity Certification	\$65	11	\$ -	75.00	\$ 825
			\$ -		\$ -
			\$ -		\$ -
			\$ -		\$ -
Total			\$ 122,505		\$ 165,295

Assumptions: Based on SFY19 Numbers

List of Stakeholders

January 31, 2020 Meeting

<u>Name</u>	<u>PWS or Organization</u>	<u>Size of System</u>	<u>Participation</u>
Randy Norden	MRWA		In person
Elizabeth Grove	MRWA/SDWC		In person
Suzan Hazelwood	SDWC		In person
Bob Wilson	Springfield City Utilities	Large water system	In person
Ashley Mehmert	DHSS		In person
Gail White	PWSD #5 Camden Co	Small water system	In person
Leon Luebbering	DHSS		In person
David Casaletto	Ozark Clean Water Commission	Small water systems	In person
Karen Kelley	Independence Water	Large water system	In person
Matt McLaughlin	Independence Water	Large water system	In person
Charlie Stevens	KC Water	Large water system	In person
Mike Galluzzo	STL City Water	Large water system	In person
Shelley Lane	MO American Water	Small and large water systems	In person
Lori Graziano	MO American Water	Small and large water systems	In person
Robert Brundage	Newman, Comley & Ruth P.C.		In person
Eric Crawford	MPUA		In person
Jeff Owen	Hickory Co Health Dept		In person
Hannah Korte Runge	MO American Water	Small and large water systems	In person
Samantha Harden	U.S. EPA		Livestream

February 20, 2020 Meeting

<u>Name</u>	<u>PWS or Organization</u>	<u>Size of System</u>	<u>Participation</u>
Randy Norden	MRWA		In person
Elizabeth Grove	MRWA/SDWC		In person
David Waller	MRWA		In person
Suzan Hazelwood	SDWC		In person
Bob Wilson	Springfield City Utilities	Large water system	In person
Ashley Mehmert	DHSS		In person
Leon Lubbering	DHSS		In person
Gail White	PWSD #5 Camden Co	Small water system	In person
David Casaletto	Ozark Clean Water Commission	Small water systems	Via livestream
Karen Kelley	Independence Water	Large water system	In person
Matt McLaughlin	Independence Water	Large water system	In person

Lisa Pleasure	KC Water	Large water system	In person
Mike Galluzzo	STL City Water	Large water system	In person
Shelley Lane	MO American Water	Small and large water systems	In person
Lori Graziano	MO American Water	Small and large water systems	In person
Hannah Korte Runge	MO American Water	Small and large water systems	In person
Eric Crawford	MPUA		In person
Lacey Hirschvogel	MPUA		In person
Jeff Owen	Hickory Co Health Dept		In person
Ramona Huckstep	MML		In person

March 17, 2020 Meeting

<u>Name</u>	<u>PWS or Organization</u>	<u>Size of System</u>	<u>Participation</u>
Elizabeth Grove	MRWA/SDWC		In person
Susan Hazelwood	SDWC		Phone
Leon Luebbering	DHSS		In person
Ashley Mehmert	DHSS		In person
Gail White	PWSD #5 Camden Co	Small water system	Via livestream
David Casaletto	Ozark Clean Water Commission	Small water systems	Via livestream
Karen Kelley	Independence Water	Large water system	Via livestream
Matt McLaughlin	Independence Water	Large water system	Via livestream
Charlie Stevens	KC Water	Large water system	In person
Shawn Hennessey	KC Water	Large water system	In person
Mike Galluzzo	STL City Water	Large water system	Via livestream
Shelley Lane	MO American Water	Small and large water systems	Via livestream
Tim Ganz	MO American Water	Small and large water systems	Via Livestream
Eric Crawford	MPUA		Via livestream
Lacey Hirschvogel	MPUA		Via livestream

March 31, 2020 – conference call only

<u>Name</u>	<u>PWS or Organization</u>	<u>Size of System</u>
Elizabeth Grove	MRWA/SDWC	
John Hoagland	MRWA	
Gail White	PWSD #5 Camden Co	Small water system
Leon Luebbering	DHSS	
Karen Kelley	Independence Water	Large water system
Matt McLaughlin	Independence Water	Large water system
Charlie Stevens	KC Water	Large water system
Mike Galluzzo	STL City Water	Large water system

Jim Copp	STL City Water	Large water system
Greg	STL City Water	Large water system
Tim Ganz	MO American Water	Small and large water systems
Mark Bross	AWWA-WICC	
Joel Snider	?? 360, Camden County	Small water system
Lauren Dempsey	Air Force	
Lacey Hirschvogel	MPUA	
Eric Crawford	MPUA	
Doug Bjournstad	Jefferson Co Sewer Company	
Ramona Huckstep	MML	

STAKEHOLDER FEEDBACK

Fri 3/27/2020 1:51 PM

Gail White drgailswhite@gmail.com

Lamb, David david.lamb@dnr.mo.gov

Re: FW: AWWA - WICC Proposal for Drinking Water Fees

Thank you, David. I noticed this proposal today and have been in contact with MRWA (Liz Groves) and with our local Board. This is something we can support and I appreciate your truly working with the stakeholders.

Gail

Gail S. White, Ed.D.
P. O. Box 225
455 Mission Hills Lane
Camdenton, M

Mon 3/30/2020 10:11 AM

dcasaletto@ozarkwaterwatch.org dcasaletto@ozarkwaterwatch.org

Lamb, David david.lamb@dnr.mo.gov

RE: AWWA - WICC Proposal for Drinking Water Fees

Hi David, I may not make the conference call Tuesday morning. I am supportive of the AWWA proposal. Unless the small system fees climb above the \$6 range (and that is not looking likely) I am good with it. Please let me know if anything changes. Thank you! David

4/6/20

Mark C. Bross mcb@klingner.com

MO-AWWA WICC Letter Regarding Public Drinking Water Fees

Lamb, David david.lamb@dnr.mo.gov

CC: Charles Stevens charles.stevens@kcmo.org ; Lacey Hirschvogel lhirschvogel@mpua.org ; John Hoagland jhoagland@moruralwater.org ; Michael Galluzzo mjgalluzzo@stlwater.com ; Matt McLaughlin mmclaughlin@indepmo.org ; Timothy C Ganz timothy.ganz@amwater.com ; Robert Wilson bob.wilson@cityutilities.net

David:

Please find a letter (Attachment 3a) from the MO-AWWA Water Industry Coordinating Committee in support of the consensus proposal for the drinking water fee structure discussed during the 3/31/2020 DNR stakeholder meeting. Also, we have a few additional thoughts to share that could benefit everyone moving forward in the future:

1. MDNR should consider hiring a consultant to do a Cost of Service Study in the near future before the next request for fee increases.
2. Once this study is completed there should be annual cost escalator's based on CPI (for the Midwest) or some other agreed upon escalator such as Producer Price Index, or GDP Price Deflator.
3. MDNR should hold Primacy Fee Stakeholder meetings more often to avoid such large changes in the fees being requested.
4. MDNR should request the State Legislature General Fund for more funding for SDWSRF matching monies so MDNR doesn't miss out on the ability to leverage these funding sources multiple times over.

We appreciate the dialog we have had with DNR throughout this stakeholder process and want to continue to support you as you move forward with the next steps in this process.

Thank you.

Mark C. Bross, PE

Water/Wastewater/Municipal Services Manager

Klingner & Associates, PC

4510 Paris Gravel Road | Hannibal, MO 63401

Office: 573.221.0020 | Fax: 573.221.0012 | www.klingner.com

mcb@klingner.com



Missouri Section
American Water Works Association

April 6, 2020

Mr. David Lamb, Chief
Missouri Department of Natural Resources
Water Protection Program
Public Drinking Water Branch
P.O. Box 176
Jefferson City, MO 65102-0176

Re: Public Drinking Water Fees – MO-AWWA Water Industry Coordinating Committee -
Consensus Proposal

Dear Mr. Lamb:

One of the functions of Missouri AWWA is participating in stakeholder groups with Missouri DNR and engaging utilities and partner organizations in the process. MO AWWA does this through the Water Industry Coordinating Committee (WICC). As the chairman of this committee, it has been a pleasure participating in the process of developing a consensus proposal for the public drinking water fees to help address future funding needs for Missouri DNR that are necessary for our utilities. WICC convened stakeholders several times in this process to ultimately present the consensus proposal discussed during the March 31, 2020, stakeholder meeting with DNR staff. At the meeting, there was broad support for the consensus proposal with utility representatives, partner organization representatives such as MRWA and MPUA, and with DNR staff. To follow up and further support you and your staff as you move forward through the next steps of the process, we are providing this letter of support signed by representatives of the organizations engaged in developing the consensus proposal. They represent dozens of utilities that serve drinking water to thousands of customers.

Mark C. Bross, PE

Missouri AWWA WICC Chair

[Signature]

Missouri Rural Water Association (MRWA)

Chris B. [Signature]

City of St. Louis Water

Robert L. Wilson

City Utilities - Springfield

Lacey H. [Signature]

Missouri Public Utility Alliance (MPUA)

Charles G. Stevens

City of Kansas City – KC Water

Karen L. Kelley

City of Independence Water

[Signature]

Missouri American Water

From: Mark C. Bross <mcb@klingner.com>
Sent: Tuesday, May 26, 2020 8:44 PM
To: Lamb, David <david.lamb@dnr.mo.gov>
Subject: Drinking Water Fees - Stakeholder Support

David:

I polled the members of the MO-AWWA Water Industry Coordinating Committee (WICC) again and received favorable responses of continued support for the Drinking Water Fees proposal that this group advanced to Missouri DNR back in late March. Let me know if you need anything else.

Thanks.

Mark C. Bross, PE

Water/Wastewater/Municipal Services Manager

Klingner & Associates, PC

4510 Paris Gravel Road | Hannibal, MO 63401

Office: 573.221.0020 | Fax: 573.221.0012 | www.klingner.com

mcb@klingner.com

**Title 10—DEPARTMENT OF
NATURAL RESOURCES
Division 60—Safe Drinking Water Commission
Chapter 16—Drinking Water Fees**

PROPOSED AMENDMENT

10 CSR 60-16.010 Levy and Collection of the Missouri Primacy Fee. The department is amending the purpose statement, amending the fee structure in subsection (2)(A), adding subsection (2)(B), renumbering and amending subsections (2)(C) and (2)(D), and amending subsection (3)(B) and section (4).

PURPOSE: This amendment revises the amount of the annual Missouri primacy fee and describes the method for collection and delinquent payment of the fee. Section 640.100, RSMo, gives the Missouri Department of Natural Resources the authority to conduct a comprehensive review of this fee and to develop a proposed fee structure based on stakeholder involvement. The proposed amendment was developed by a drinking water stakeholder group.

*PURPOSE: This rule levies and sets the amount of the Missouri primacy fee and describes the method of collection and delinquent payment. **The fees established in Section 640.100.5(2) and (3), RSMo, are effective through December 31, 2021. The fee structure in this rule becomes effective on January 1, 2022.***

(1) This rule applies only to community water systems.

(2) This rule levies and imposes the Missouri primacy fee authorized by 640.100[(5)].5(2) and (3), RSMo. Nothing in this rule in any way affects the obligation of a customer to pay the Missouri [P]primacy [F]fee.

(A) The annual Missouri primacy fee per customer service connection for unmetered customers and customers with meters not greater than one inch (1") in size shall be based upon the number of service connections in the water system serving that customer as of September 1 of each annual fee period as follows:

<i>[1—1000 connections</i>	<i>\$3.24</i>
<i>1001—4000 connections</i>	<i>\$3.00</i>
<i>4001—7000 connections</i>	<i>\$2.76</i>
<i>7001—10,000 connections</i>	<i>\$2.40</i>
<i>10,001—20,000 connections</i>	<i>\$2.16</i>
<i>20,001—35,000 connections</i>	<i>\$1.92</i>
<i>35,001—50,000 connections</i>	<i>\$1.56</i>
<i>50,001—100,000 connections</i>	<i>\$1.32</i>
<i>More than 100,000 connections</i>	<i>\$1.08]</i>

11 – 10,000 connections	\$5.28
10,001 – 50,000 connections	\$4.80
50,001 – 100,000 connections	\$4.20
Greater than 100,000 connections	\$3.48

(B) The annual Missouri primacy fee per service connection for unmetered customers and customers with meters not greater than one inch (1") in size for community water systems with ten (10) or fewer connections shall be \$50 divided by the number of connections in the water system.

[(B)] (C) The annual primacy fee for customers having meters greater than one inch (>1"), but less than or equal to two inches (≤2") in size, shall be [seven dollars and forty-four cents (\$7.44)] **twenty-one dollars (\$21)**; for customers with meters greater than two inches (>2"), but less than or equal to equal to four inches (≤4") in size, shall be *[forty-one dollars and sixteen cents (\$41.16)]* **one hundred and two dollars (\$102)**; and for customers with meters greater than four inches (>4") in size shall be *[eighty-two dollars and forty-four cents (\$82.44)]* **one hundred ninety-eight dollars (\$198).**

[(C)] (D) Customers served by multiple connections shall pay an annual primacy fee based on the rates listed in [subsection (2)(B)] **this section** for each connection, except that no single facility served by multiple connections shall pay a total of more than five hundred dollars (\$500) per year.

(3) Fee Period and Collection.

(A) The annual fee period is September 1 through August 31 of each calendar year, unless an alternate schedule *[was]* **has been** approved by the department.

(B) If any community water system seeks to change its collection period for the next collection year, it shall submit an alternate fee-period schedule in writing to the department by January 1, identifying whether the fees will be collected monthly, quarterly, or annually. The system's new schedule shall be effective upon the department's approval.

[(B) If a service connection has no customer of record for all of the annual fee period, no fee will be collected with respect to that service connection. If the service connection has a customer of record for any part of the annual fee period, or alternate schedule approved by the department, the fee will be pro-rated to reflect time of service.]

(4) Remitting Fees to the State. A community water system shall be responsible for remitting to the department the **number of active connections and amount collected from its customers no later than sixty (60) days following the end of the annual fee period for systems on an annual collection schedule or within sixty (60) days following the end of each fee-period fiscal quarter if the system is on a monthly or quarterly collection schedule. Fee-period fiscal quarters end on November 30, February 28, May 31, and August 31.**

AUTHORITY: section 640.100, RSMo 2016. Emergency rule filed Dec. 14, 1992, effective Dec. 24, 1992, expired April 22, 1993. Original rule filed Dec. 14, 1992, effective Aug. 9, 1993. Amended: Filed April 13, 2018, effective Dec. 30, 2018. Amended: Filed: July 10, 2020.*

PUBLIC COST: This proposed amendment will cost state agencies or political subdivisions nine thousand, six hundred sixty-three and thirty-six cents (\$9,663.36) in the aggregate.

PRIVATE COST: This proposed amendment will cost private entities six million four hundred thirty-two thousand, five hundred seventy-nine dollars and twelve cents (\$6,432,579.12) in the aggregate.

NOTICE OF PUBLIC HEARING AND NOTICE TO SUBMIT COMMENTS: A public hearing on this proposed amendment will begin at 10:00 a.m., September 18, 2020. Due to recent concerns

regarding the novel coronavirus, or COVID-19, the public hearing will be held with live video streaming available at <https://dnr.mo.gov/videos/live.htm> and by conference phone line at 877-749-7113, participant code 51724. Persons that wish to give testimony at the hearing and to be sworn in by the court reporter over the phone must register with sheri.fry@dnr.mo.gov or by phone at 573-526-2957. Opportunity to be sworn in by the court reporter over the phone to give testimony at the hearing shall be afforded to any interested person. A recording of the public hearing will be available at <https://dnr.mo.gov/env/wpp/stakeholders/index.htm>. Interested persons may submit a statement in support of or in opposition to this proposed amendment until 5:00 p.m., September 25, 2020. Send online comments via the proposed rule web page at <https://apps5.mo.gov/proposed-rules/welcome.action#OPEN>, email comments to sheri.fry@dnr.mo.gov, or written comments to Public Drinking Water Branch Rule Coordinator, Missouri Department of Natural Resources' Water Protection Program, PO Box 176, Jefferson City, MO 65102-0176.

**Title 10—DEPARTMENT OF NATURAL RESOURCES
Division 60—Safe Drinking Water Commission
Chapter 16—Drinking Water Fees**

PROPOSED AMENDMENT

10 CSR 60-16.020 Laboratory Certification Fee. The department is amending the purpose statement and section (1) and adding section (2).

PURPOSE: This amendment revises the fees for certification of laboratories that conduct chemical and bacteriological testing of public drinking water. The proposed amendment was developed by a drinking water stakeholder group.

*PURPOSE: This rule establishes fees for certification of laboratories [to] **that** conduct chemical **and bacteriological** testing of drinking water.*

(1) Laboratories seeking [The following laboratory] certification [fees shall be paid before a certification will be issued] for chemical testing of drinking water [under 10 CSR60-5.020] shall pay the following fees as applicable: [Fees are listed below.]

In-state Laboratory Audit Fee \$2,500 once every three- (3-) year certification cycle

Three- (3-) year Certification Fee

 Organic Chemicals \$2,700

 Inorganic Chemicals \$1,500

(2) Laboratories, except those owned by a political subdivision as defined by section 70.210, RSMo, seeking certification for bacteriological testing of drinking water shall pay the following fees as applicable beginning January 1, 2022:

In-state Laboratory Audit Fee \$500 once every three- (3-) year certification cycle

Three- (3-) year Certification Fee \$500

*AUTHORITY: section 640.100, RSMo 2016. * Original rule filed Dec. 14, 1992, effective Aug. 9, 1993. Amended: Filed April 13, 2018, effective Dec. 30, 2018. Amended: Filed: July 10, 2020.*

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed amendment will cost private entities ten thousand one hundred sixty-six dollars and sixty-seven cents (\$10,166.67) in the aggregate.

NOTICE OF PUBLIC HEARING AND NOTICE TO SUBMIT COMMENTS: A public hearing on this proposed amendment will begin at 10:00 a.m., September 18, 2020. Due to recent concerns regarding the novel coronavirus, or COVID-19, the public hearing will be held with live video streaming available at <https://dnr.mo.gov/videos/live.htm> and by conference phone line at 877-749-7113, participant code 51724. Persons that wish to give testimony at the hearing and to be sworn in by the court reporter over the phone must register with sheri.fry@dnr.mo.gov or by phone at 573-526-2957. Opportunity to be

sworn in by the court reporter over the phone to give testimony at the hearing shall be afforded to any interested person. A recording of the public hearing will be available at <https://dnr.mo.gov/env/wpp/stakeholders/index.htm>. Interested persons may submit a statement in support of or in opposition to this proposed amendment until 5:00 p.m., September 25, 2020. Send online comments via the proposed rule web page at <https://apps5.mo.gov/proposed-rules/welcome.action#OPEN>, email comments to sheri.fry@dnr.mo.gov, or written comments to Public Drinking Water Branch Rule Coordinator, Missouri Department of Natural Resources' Water Protection Program, PO Box 176, Jefferson City, MO 65102-0176.

Title 10—DEPARTMENT OF NATURAL RESOURCES
Division 60—Safe Drinking Water Commission
Chapter 16—Drinking Water Fees

PROPOSED AMENDMENT

10 CSR 60-16.030 Laboratory Services and Program Administration Fees. The department is amending the purpose statement and sections (1) and (2), removing section (3), and amending subsections (3)(A), (3)(B), and (3)(C) and moving those subsections to section (2).

PURPOSE: This amendment revises the fee structure for laboratory services and program administration fees for public water systems in Missouri and clearly states those systems that are exempt from the rule. Section 640.100, RSMo, gives the Missouri Department of Natural Resources the authority to conduct a comprehensive review of this fee and to develop a proposed fee structure based on stakeholder involvement. The proposed amendment was developed by a drinking water stakeholder group.

*PURPOSE: This rule levies and sets the amount of the annual laboratory services and program administration fees and describes the method of remitting the fee to the department. **The fees established in Section 640.100.3, RSMo, are effective through December 31, 2021. The fee structure in this rule becomes effective on January 1, 2022.***

(1) This rule applies to all public water systems **except those owned by a political subdivision as defined by section 70.210, RSMo.**

(2) This rule establishes the laboratory services and program administration fees authorized by section 640.100.3, RSMo, *[The fees cover the reasonable costs of laboratory services, both within the Department of Natural Resources and the Department of Health and Senior Services, and program administration, not to exceed the statutory limits of two hundred dollars (\$200) for a supplier servicing less than four thousand one hundred (4100) service connections, three hundred dollars (\$300) for a supplier serving less than seven thousand six hundred (7600) service connections, five hundred dollars (\$500) for a supplier serving seven thousand six hundred (7600) or more service connections, and five hundred dollars (\$500) for a supplier that uses surface water.] at the following amounts:*

[(3) The laboratory services and program administration fees are established at the following amounts. The fees are based on the estimated annual costs for laboratory services and program administration incurred by the state per public water system not to exceed the statutory limits shown in section (2) of this rule.]

(A) The [A]annual fee[s] for a transient noncommunity water system[—] is one hundred and fifty dollars (\$150).

	<i>[Laboratory Services and Program Administration Fees \$100]</i>
<i>[Number of Service Connections (any)]</i>	

(B) Annual fees for all secondary public water systems and for public water systems, except transient noncommunity water systems, that use groundwater, including groundwater under the direct influence of surface water—

Number of Service Connections	Laboratory Services and Program Administration Fees
<i>[less than 4100</i>	<i>\$200]</i>
<i>[4100 to 7599</i>	<i>\$300]</i>
Less than 7,600	\$300
7,600 or more	\$500

(C) The *[A]* annual fee/s] for public water systems, except transient noncommunity water systems, that use surface water, including systems using both surface water and groundwater[—], is **seven hundred and fifty dollars (\$750)**.

<i>[Laboratory Services and Program Administration</i>	
<i>Connections</i>	<i>Fees</i>
<i>(any)]</i>	<i>\$500]</i>

AUTHORITY: section 640.100, RSMo 2016. Original rule filed April 14, 1994, effective Nov. 30, 1994. Amended: Filed April 13, 2018, effective Dec. 30, 2018. Amended: Filed: July 8, 2020.*

PUBLIC COST: This proposed amendment will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed amendment will cost private entities one hundred thirty thousand four hundred dollars (\$130,400) in the aggregate.

NOTICE OF PUBLIC HEARING AND NOTICE TO SUBMIT COMMENTS: A public hearing on this proposed amendment will begin at 10:00 a.m., September 18, 2020. Due to recent concerns regarding the novel coronavirus, or COVID-19, the public hearing will be held with live video streaming available at <https://dnr.mo.gov/videos/live.htm> and by conference phone line at 877-749-7113, participant code 51724. Persons that wish to give testimony at the hearing and to be sworn in by the court reporter over the phone must register with sheri.fry@dnr.mo.gov or by phone at 573-526-2957. Opportunity to be sworn in by the court reporter over the phone to give testimony at the hearing shall be afforded to any interested person. A recording of the public hearing will be available at <https://dnr.mo.gov/env/wpp/stakeholders/index.htm>. Interested persons may submit a statement in support of or in opposition to this proposed amendment until 5:00 p.m., September 25, 2020. Send online comments via the proposed rule web page at <https://apps5.mo.gov/proposed-rules/welcome.action#OPEN>, email comments to sheri.fry@dnr.mo.gov, or written comments to Public Drinking Water Branch Rule Coordinator,

Title 10—DEPARTMENT OF NATURAL RESOURCES
Division 60—Safe Drinking Water Commission
Chapter 16—Drinking Water Fees

PROPOSED RULE

10 CSR 60-16.040 Operator Certification Fees

PURPOSE: This rule sets forth the drinking water operator certification fee structure for activities under 10 CSR 60. The proposed rule was developed by a drinking water stakeholder group.

PURPOSE: This rule sets forth the drinking water operator certification fee structure for activities under 10 CSR 60.

- (1) All applications for drinking water operator certification must meet the requirements of 10 CSR 60-14.020. The following fees shall be assessed for drinking water operator certification beginning January 1, 2022:**
 - (A) The application fee for the certification examination is fifty dollars (\$50). Each retake of the exam is fifty dollars (\$50).**
 - (B) The application fee for certification by reciprocity is seventy-five dollars (\$75).**
 - (C) The fee to renew each certificate is sixty dollars (\$60). Certificates must be renewed every three (3) years.**
 - (D) A late fee of thirty-seven dollars and fifty cents (\$37.50) per month, up to a total of seventy-five dollars (\$75), is assessed for any certificate renewed after the expiration date.**
- (2) All certification and examination fees submitted are nonrefundable and nontransferrable.**

AUTHORITY: section 640.100, RSMo 2016. **Original rule filed: July 8, 2020. Effective: January 1, 2022.***

PUBLIC COST: This proposed rule will not cost state agencies or political subdivisions more than five hundred dollars (\$500) in the aggregate.

PRIVATE COST: This proposed rule will cost private entities forty-two thousand seventy-five dollars (\$42,075) in the aggregate.

NOTICE OF PUBLIC HEARING AND NOTICE TO SUBMIT COMMENTS: A public hearing on this proposed amendment will begin at 10:00 a.m., September 18, 2020. Due to recent concerns regarding the novel coronavirus, or COVID-19, the public hearing will be held with live video streaming available at <https://dnr.mo.gov/videos/live.htm> and by conference phone line at 877-749-7113, participant code 51724. Persons that wish to give testimony at the hearing and to be

sworn in by the court reporter over the phone must register with sheri.fry@dnr.mo.gov or by phone at 573-526-2957. Opportunity to be sworn in by the court reporter over the phone to give testimony at the hearing shall be afforded to any interested person. A recording of the public hearing will be available at <https://dnr.mo.gov/env/wpp/stakeholders/index.htm>. Interested persons may submit a statement in support of or in opposition to this proposed amendment until 5:00 p.m., September 25, 2020. Send online comments via the proposed rule web page at <https://apps5.mo.gov/proposed-rules/welcome.action#OPEN>, email comments to sheri.fry@dnr.mo.gov, or written comments to Public Drinking Water Branch Rule Coordinator, Missouri Department of Natural Resources' Water Protection Program, PO Box 176, Jefferson City, MO 65102-0176.

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020

Agenda Item # C-4

Disinfection Byproducts Study

Issue:

The Department is collaborating with the United States Environmental Protection Agency to study public water systems in Missouri with Disinfection Byproducts Project (DBP) compliance issues. The goal of the study is to establish DBP baselines for participating systems and to determine where DBP formation is occurring.

Recommended Action:

Information only.

Attachment:

PowerPoint presentation

Presented by:

Maher Jaafari, Chief, Permits and Engineering Section, PDWB



Disinfection Byproducts (DBP) Study

Coordination Project between EPA - MDNR

Maher Jaafari, PhD, P.E.

Chief, Infrastructure Permits and Engineering Section

Water Protection Program

July 8, 2020

Targeted Performance Improvement

- EPA Region 7 was approved for funding to study public water systems in Missouri with DBP violations.
- The Department collaborated with EPA to identify and solicit the systems to participate in the study.

Goals of the Study

Phase I – DBP Baseline Evaluation

- Identify the best locations in the water system treatment plant or distribution system from which to collect samples.
- Establish DBP baselines and determine where total trihalomethanes (TTHM) formation is occurring in the water system.

Phase I – DBP Baseline Evaluation

Participation

- Approximately thirty (30) systems were invited to participate in the DBPs study
- Fifteen (15) systems agreed
 - Nine (9) parents systems
 - Six (6) consecutive systems

Phase I – DBP Baseline Evaluation

Process

- Samples were collected by the participating systems at each location in June, July, and August 2019.
- Parent systems collected samples from the entry point to the distribution system, and maximum residence time (i.e., storage tank).
- Consecutive systems collected samples from entry point (i.e., master meter) and maximum residence time.

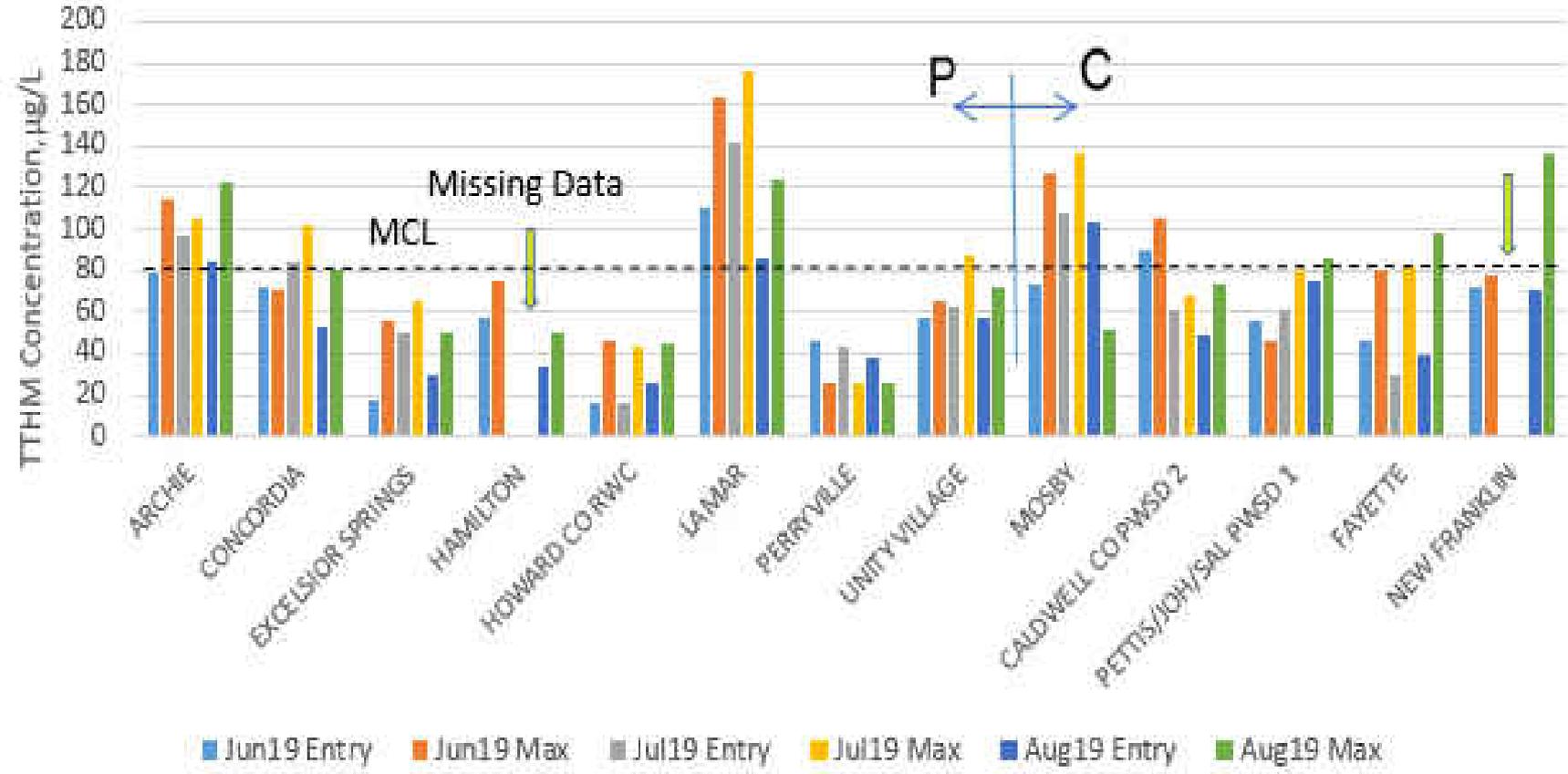
Phase I – DBP Baseline Evaluation

Factors Affecting DBPs Formation

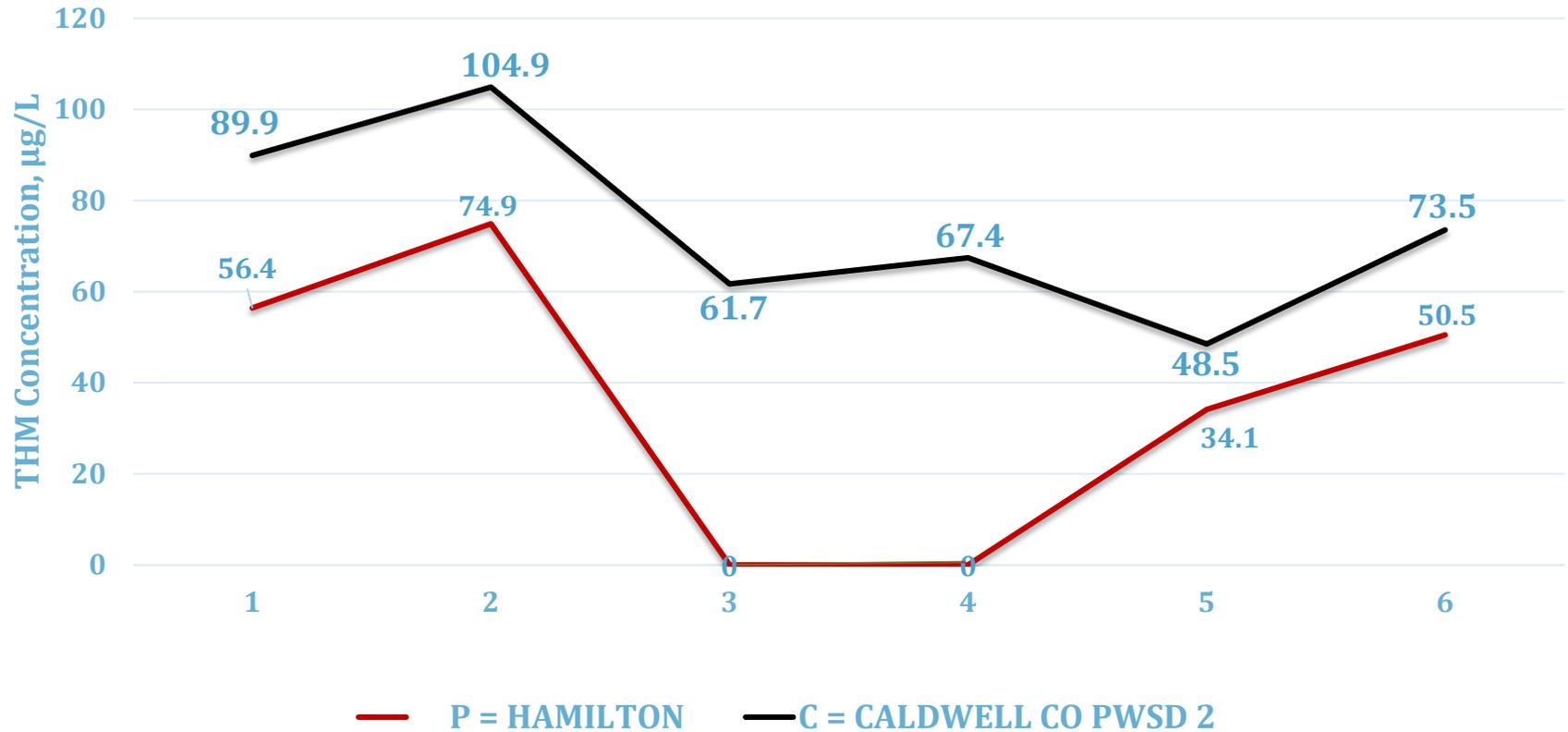
- DBP Precursors in Source Water
 - Natural Organic Matter (TOC, DOC)
 - Specific Ultraviolet Absorption (SUVA)
 - Bromide
- Applied Chlorine Dose
- Reaction Time
- Temperature
- PH

DBPs Study TTHM Sample results

P = Parent CWS
C = Consecutive CWS



THM Sample Results for Parent & Consecutive Systems



Phase I – DBP Baseline Evaluation

Usefulness of the Data

- The data will help to diagnose the location of TTHM formation at the system (treatment plant or distribution system).
- The collected information will be used to direct targeted technical assistance at public water systems challenged by DBP formation.

Phase II – Technical Assistance

- Focus on Treatment Optimization
 - Steps to reduce TTHM formation in the Water Treatment Plant (WTP)
 - Determine if additional treatment is necessary to reduce TTHM and the associated capital cost.
- Focus on Distribution System Optimization

QUESTIONS?

THANK YOU.

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020

Agenda Item # C-5

COVID-19 Regulatory Relief

Issue:

The Department realized that there would be questions and impacts during the COVID-19 pandemic related to sampling, staffing, regulatory deadlines, regulated activities, and other issues at public water systems. The Department approached regulatory relief in a number of different ways. This agenda item will provide an update on those activities.

Attachments:

PowerPoint presentation

Presented by:

Lance Dorsey, Chief - Compliance & Enforcement Section, PDWB



COVID-19 Regulatory Relief

Lance Dorsey - PDWB

Regulatory Relief

1. Temporary rule suspension:

- 10 CSR 60-11.010(6)(B)–(D) - allows delay of the testing of devices (customer).
- 10 CSR 60-11.010(8)(D) - allows delay of customer reporting requirements for assembly testing (PWS).
- 10 CSR 60-11.030(2)(B) – allows tester certification extension (tester).

Regulatory Relief

1. Temporary rule suspension

- 3 requirements in 10 CSR 60-11

2. Regulatory relief and tracking – regulatory.inquiry@dnr.mo.gov

- Backflow tester certification extensions before 6/1/20
- Operator certificate renewal extensions before 4/30/20

Regulatory Relief

1. Temporary rule suspension

- 3 requirements in 10 CSR 60-11

2. Regulatory relief and tracking – regulatory.inquiry@dnr.mo.gov

- Backflow tester certification extensions before 6/1/20
- Operator certificate renewal extensions before 4/1/20

3. Program flexibility

- Sample locations

Regulatory Relief

Questions?

Lance Dorsey – PDWB

573-751-6982

lance.dorsey@dnr.mo.gov

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020

Agenda Item #C-6

Operator Certification COVID-19 Update

Issue:

This presentation provides an overview of recent activities related to COVID-19 and the Operator Certification Program, including information related to a rule suspension that enabled regulatory relief for certified operators. Training organizations cancelled or postponed training classes due to social-distancing requirements related to the COVID-19. This temporary suspension allowed certified operators of public water systems to renew their certificates without obtaining the minimum amount of renewal training that otherwise would be required so they could continue providing professional services for public water systems.

Recommended Action:

Information only.

Attachments:

PowerPoint presentation.

Presented by:

Darlene Helmig, Chief, Operator Certification Section, PDWB



Operator Certification COVID-19 Update

Darlene Helmig

Operator Certification Section Chief

Water Protection Program

COVID-19 and Early Concerns About Workforce Shortages

- State regulations include flexibility during emergencies
- 10 CSR 60-14.010(5)(A) states, “No person, firm, corporation, municipal corporation or other governmental subdivision or agency shall operate a public water system unless the competency of the chief operator to operate the facility is duly certified by the department as provided in 10 CSR 60-14.020 or 10 CSR 60-14.010(4)(A)5. **except during periods of emergency or disaster.**
- Thankfully, no reported workforce shortages related to COVID-19, but the flexibility was there for systems to maintain operations in the best way possible for the protection of human health.

COVID-19 and Operator Certification

- Each month, an average of 107 DW and DS certificates are due for renewal.
- Between 10 and 30 hours of training is required to be completed during the 3-year certificate cycle.
- In-person training cancelled beginning in March of 2020.
- Certification exam sessions cancelled.
- Training cancellations led to immediate concern about the ability of operators to meet training requirements.

Virtual Training: a New Training Format

- Pre-COVID, only 2% of courses completed were correspondence or computer-based.
- During the emergency, Missouri trainers wanted to continue to teach and the virtual format evolved.
- Virtual format is a live, distance learning, classroom experience.
- Variety of platforms like Zoom and WebEx that allow for student/teacher interaction and attendance verification.
- Great feedback.

Rule Suspension – Renewal Training

- Temporary rule suspension for 10 CSR 60-14.020(8)(C) allowing people to renew certificates without meeting renewal training requirements.
- Rule was suspended pursuant to Executive Orders 20-04 and 20-09 and effective from April 30, 2020 through June 15, 2020.
- Anticipate extension to July 31, 2020.
- Published in the Secretary of State Missouri Register on June 1, 2020.
- Individuals that required regulatory relief prior to the May 6th effective date were addressed through the Department's regulatory relief process.

Rule Suspension – Renewal Training

- Drinking water distribution certificates
 - 23 certificates renewed that were short hours due to COVID-19
 - The amount of hours short ranged from 0.5 to 30 hours
 - Average of 8.9 hours per certificate
- Drinking water treatment certificates
 - 15 certificates renewed that were short hours due to COVID-19
 - The amount of hours short ranged from 0.5 to 12 hours
 - Average of 4.3 hours per certificate

Resuming Certification Exams and In-Person Training

- Certification Exams scheduled to resume mid-July with special considerations to support social distancing and maintain safe conditions.
- Virtual Training will continue as trainers host additional courses.
- In-person training courses
 - A few training organizations are providing in-person training courses.
 - Department sponsored in-person trainings to resume mid-July with social distancing and safety measures in place.

Questions?

Darlene Helmig

Operator Certification Section

Water Protection Program

573-751-1600

<https://apps5.mo.gov/operator/index.do>

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020

Agenda Item #C-7

Attorney General's Office Legal Update

Issue:

Routine update to the Commission regarding legal issues, appeals, etc.

Recommended Action:

Information only.

Presented by:

Tim Duggan, Assistant Attorney General, AGO

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020

Agenda Item # C-8

Branch Chief's Update

Issue:

Routine update to the Commission regarding Public Drinking Water Branch activities

Recommended Action:

Information only.

Presented by:

David Lamb, Chief, Public Drinking Water Branch

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020

Nightingale Conference Room, Jefferson City, MO

Agenda Item # D

Fiscal Year 2020 Drinking Water State Revolving Fund Intended Use Plan Amendment

Issue:

Proposed Amendments to the Fiscal Year (FY) 2020 Drinking Water State Revolving Fund (DWSRF) Intended Use Plan (IUP) Comprehensive List and Fundable Project Lists

Background:

Financial Assistance Center (FAC) staff is recommending that the project lists for the Fiscal Year (FY) 2020 Drinking Water State Revolving Fund Intended Use Plan (IUP) be amended as follows:

The City of Clarkton's project is currently on the Very Small Community Fundable List in the amount of \$995,000 loan and \$2,000,000 grant. The system withdrew their application and is pursuing financing through the United States Department of Agriculture Rural Development for their project.

The City of Lanagan's project is currently on the Very Small Community Fundable List in the amount of \$100,000 loan and \$300,000 grant. The city chose instead to finance their project with a state small borrower loan, a Community Development Block Grant and the U.S. Environmental Protection Agency's Small and Disadvantaged Communities Drinking Water Grant, therefore the project is being removed from the IUP.

The Village of Centertown reduced the scope of the project and their budget decreased accordingly. The total budget decreased from \$2,929,515 to \$1,781,084. Subsequently, the project funding will be adjusted to \$445,271 loan and \$1,335,813 grant. The description/needs category and priority points were also reevaluated and revised due to the revised scope. The description is now storage and distribution with 94 priority points.

The City of Princeton has modified their application to request a revised project amount of \$3,886,100. Grant funds de-obligated from the above projects are now available for the City of Princeton since they have increased their project amount. Their new funding

allocation is \$1,886,100 loan and \$2,000,000 grant. Due to the requested changes, the project's priority points increases to 135.

Grant funds de-obligated from the above projects are also now available for the City of Warsaw since the IUP previously did not allocate the maximum amount of disadvantaged grant funding to the city due to the limited amount of grant funding available at the time. Warsaw's new funding allocation is \$1,278,700 in loan and \$2,000,000 in grant.

The City of Urbana has modified their application to request a revised project amount of \$1,873,236. Grant funds de-obligated from the above projects are now available for the City of Urbana since they have increased their project amount. Their new funding allocation is \$468,309 loan and \$1,404,927 grant. Due to the requested changes, the project's priority points increase to 65. Based upon the priority point tie-breaking criteria outlined in the 2020 DWSRF Intended Use Plan Appendix 5, the City of Warsaw will be listed before the City of Urbana.

The City of Pierce City has modified their application to request a revised project amount of \$5,008,612. The city has also received funding approval from the Community Development Block Grant program for \$500,000. The total cost for SRF funding is \$4,508,612. Their new funding allocation is \$2,508,612 loan and \$2,000,000 grant.

The City of Bowling Green has decreased their requested loan amount to \$845,325 and the IUP is being amended to reflect this new amount.

The City of Plattsburg has decreased their requested loan amount to \$3,650,558 and the IUP is being amended to reflect this new amount.

Camden Co PWSD No. 1's description/needs category was incorrect and was revised to remove the "well" description.

The Cities of Pierce City and Carrollton and the Missouri American Water Company, Jefferson City Plant estimated financing quarter will be adjusted to reflect loan closing anticipated in the 4th quarter of 2020.

The above changes increase the available loan fund balance from \$48,489,170 to \$52,115,664.

The above changes, which provide the maximum allowable grant to all eligible disadvantaged systems, reduce the total additional subsidization need for all eligible projects by \$1,297,781. FAC staff is recommending a corresponding reduction in the amount of the 2019 Federal Fiscal Year Disadvantaged Supplemental Amount reserved on page 27 of the IUP from \$5,625,710 to \$4,327,929.

Recommended Action: Staff recommends the adoption of the FY 2020 DWSRF IUP amendments as summarized below.

- Remove the City of Clarkton (DW291372-01) and the City of Lanagan (DW291374-01) from the Very Small Community 20% Reserve Fundable list.
- Decrease the total project cost for the Village of Centertown (DW291337-02) to \$1,781,084 with a funding allocation of \$445,271 loan and \$1,335,813 grant, remove the well from the project description and reduce the priority points to 94.
- Increase the total project cost for the City of Princeton (DW291370-1) to \$3,886,100 with a funding allocation of \$1,886,100 loan and \$2,000,000 grant and increase the priority points to 135.
- Increase the grant amount for Warsaw (DW291293-02) to \$2,000,000.
- Increase the total project cost for the City of Urbana (DW291367-1) to \$1,873,236 with a funding allocation of \$468,309 loan and \$1,404,927 grant and increase the priority points to 65.
- Decrease the total project cost for the City of Pierce City (DW291345-01) to \$4,508,612 with a funding allocation of \$2,508,612 loan and \$2,000,000 grant.
- Decrease the Bowling Green (DW291167-04) loan amount to \$845,325.
- Decrease the Plattsburg (DW291210-03) loan amount to \$3,650,558.
- Revise the Camden County PWSD #1 (DW291373-01) project to remove the “well” description.
- Adjust the estimated financing quarter to 4th quarter of 2020 for the Cities of Pierce City and Carrollton and the Missouri American Water Company, Jefferson City Plant.
- Reduce the amount of the 2019 Federal Fiscal Year Disadvantaged Supplemental Additional Subsidization Amount reserved from the 2019 Capitalization Grant amount to \$4,327,929.

Suggested Motion Language:

“I move that the Safe Drinking Water Commission approve the Fiscal Year 2020 Drinking Water State Revolving Fund Intended Use Plan amendments as presented today.”

Attachments:

Proposed FY 20 DWSRF Project Lists Amendment
Proposed FY 2020 DWSRF IUP Page 27 Amendment

Presented by:

Hannah Humphrey, Director, Financial Assistance Center



MISSOURI DEPARTMENT OF NATURAL RESOURCES

Fiscal Year 2020

(Reporting Year Oct. 1, 2019 – Sept. 30, 2020)

Drinking Water State Revolving Fund Intended Use Plan

**Adopted October 16, 2019
Amended January 15, 2020
*Proposed July 8, 2020***

**Drinking Water State Revolving Fund
Estimated Sources and Uses of Funds
FFY 2020 Intended Use Plan**

Estimated Sources as of December 31, 2018		
Anticipated Capitalization Grants for Drinking Water State Revolving Fund	\$	40,064,465
Cash Balance *	\$	40,024,968
Anticipated Loan Repayments and Investment Earnings Net of Bond Payments (1/1/19 - 9/30/21)	\$	54,193,196
Total Estimated Sources		\$ 134,282,629
Estimated Uses		
Undisbursed Amounts Committed to Existing Projects	\$	3,152,177
Anticipated Funds Committed to Drinking Water Set-Aside Activities	\$	13,167,575
Anticipated Direct Loans Closing between 1/1/19 and 9/30/19	\$	3,005,930
	\$	3,003,000
Anticipated Grants Awarded between 1/1/19 and 9/30/19	\$	3,157,844
	\$	3,154,841
Anticipated Additional Subsidization Available for FFY 2020 DWSRF IUP Projects	\$	18,602,844
	\$	17,308,060
Anticipated Loan Funds Available for FFY 2020 DWSRF IUP Projects	\$	93,196,265
	\$	94,496,976
Total Estimated Uses		\$ 134,282,629

* On October 18, 2018, the Environmental Improvement and Energy Resources Authority (EIERA) issued bond series 2018A in tax exempt revenue bonds, of which \$10,020,000 was for the Drinking Water program. The bond proceeds will be disbursed as state match to Drinking Water capitalization grants. The proceeds will support approximately three years of state match requirements to the FFY2018, 2019, and 2020 capitalization grants. The bond proceeds were deposited into the Water & Wastewater Loan Revolving Fund for disbursement.

Loan and Grant Commitments 1/1/19 through 9/30/19	Loan	Grant	Total
	\$ 1,730,930	\$ 1,882,844	\$ 3,613,774
Memphis - Funded 9/12/19	\$ 1,731,000	\$ 1,882,841	\$ 3,613,841
	\$ 1,272,000	\$ 1,275,000	\$ 2,550,000
Buchanan PWSD No. 1 - Funded 9/26/19	\$ 1,272,000	\$ 1,272,000	\$ 2,544,000
	\$ 3,005,930	\$ 3,157,844	\$ 6,163,774
Total Commitments 1/1/19 through 9/30/19	\$ 3,003,000	\$ 3,154,841	\$ 6,157,841

List of Fiscal Year 2020 Applicants

	Applicant	Priority Points	Service Area Pop.	Financial Assistance Request
C	Bowling Green	41	5,334	— 882,450
				\$ 845,325
C	Brashear	54	273	\$ 950,748
	Camden County PWSD #1	95	1,165	\$ 3,417,000
C	Carrollton PWS	45	3,784	\$ 4,180,647
C	Centertown	114	278	— 2,929,515
				\$ 1,781,084
C	Centralia	25	4,027	\$ 2,516,290
	Chamois	105	396	\$ 1,514,707
	Clarkton	82	— 1,288	— 3,627,052
C	Lanagan	105	— 420	— 400,000
C	Laurie	45	945	\$ 1,313,795
C	Madison County PWSD #1	85	1,009	\$ 3,227,225
	Marshfield	73	6,633	\$ 6,151,126
	Missouri American Water-Jefferson City Plant Upgrades	40	32,000	— 12,208,539
				\$ 10,315,000
	Newburg	90	470	\$ 1,129,826
C	Pierce City	71	1,261	— 4,693,170
				\$ 5,008,612
C	Plattsburg	81	2,319	— 3,829,785
				\$ 3,650,558
	Princeton	115	1,166	— 2,064,063
				\$ 3,886,100
	Saline County PWSD #1	52	591	\$ 1,096,462
	Silex	100	283	\$ 2,266,138
	Southwest Rural Water Supply	77	2,700	\$ 1,921,500
C	Urbana	55	417	— 1,161,933
				\$ 1,873,236
	Warsaw	65	2,125	\$ 4,905,003
Total Comprehensive List Projects				\$ 61,950,382

Note: C = Carried over from the last Intended Use Plan

Allocation Of Available Loan Funds

Missouri law requires that twenty percent and fifteen percent of available funds, respectively, shall be made available to water systems serving populations of 3,300 or less (designated as very small communities) and water systems serving populations of 3,301 to 9,999 (designated as small communities). The remaining sixty five percent (designated for general community) is not restricted by population served.

- The fundable project lists may change significantly between the draft Intended Use Plan placed on public notice and the final version approved by the Safe Drinking Water Commission.
- The inclusion of a project on the fundable list is not a guarantee of funding. Other factors, such as timely progress, compliance with program requirements and funding availability, may impact project funding.
- If a system is utilizing an Engineering Report Services Grant from the Department, their SRF project was reduced by the total engineering grant amount.

Allocation of Available Funds

Funding Category	Percent of Fundable List Allocation	Loan	Additional Subsidization	Total
Very Small Community (1)	20%	\$ 5,052,947	\$ 17,308,060	\$ 22,361,007
Small Community (2)	15%	\$ 16,770,755	\$ -	\$ 16,770,755
General Community	65%	\$ 72,673,274	\$ -	\$ 72,673,274
Total Allocation of Available Funds		\$ 94,496,976	\$ 17,308,060	\$ 111,805,036

(1) Service area population of 3,300 or fewer.

(2) Service area population of 3,301 to 9,999.

Financial Summary of the Fundable Projects

	Loans				Additional Subsidization			
	Very Small Community	Small Community	General Community	Total	Very Small Community	Small Community	General Community	Total
Allocation of Available Funds	\$ 5,052,947	\$ 16,770,755	\$ 72,673,274	\$ 94,496,976	\$ 17,308,060	\$ -	\$ -	\$ 17,308,060
Total Projects on Fundable List (1)	\$ 18,372,924	\$ 13,693,388	\$ 10,315,000	\$ 42,381,312	\$ 17,308,060	\$ -	\$ -	\$ 17,308,060
Transfer	\$ 3,077,367	\$ (3,077,367)		\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 10,242,610		\$ (10,242,610)	\$ -				
Funding Assistance Planned (2)	\$ 18,372,924	\$ 13,693,388	\$ 62,430,664	\$ 94,496,976	\$ 17,308,060	\$ -	\$ -	\$ 17,308,060
Balance Available after Projects Funded (3)	\$ -	\$ -	\$ 52,115,664	\$ 52,115,664	\$ -	\$ -	\$ -	\$ -

(1) From the Project Lists on the subsequent pages.

(2) Funding Assistance Planned = Allocation + Transfers.

(3) Balances may be shifted to other categories to fund projects that are ready to proceed.

DWSRF Fiscal Year 2020 Project Priority Lists

Carryover	Disadvantaged	Priority Points	Applicant	Project #	Description/ Needs Category	Service Area Population	Amount Requested	Loan Amount	Additional Subsidization Amount	Est. Financing Schedule FY - Quarter
<i>Note: An explanation of the abbreviations and codes appears at the end of the project lists.</i>										
FUNDABLE LIST - AVAILABLE FUNDS							\$ 94,496,976	\$ 17,308,060		
(Debt instrument secured and facility plan submitted)										
Very Small Community (Systems that serve a population of 3,300 or fewer)							\$ 18,372,924	\$ 17,308,060		
	D	415	Princeton	DW291370-01	TP, Dis, Stor Rehab, Well, Well Rehab		\$ 2,064,063	\$ 516,016	\$ 1,548,047	20-4
		135				1,166	\$ 3,886,100	\$ 1,886,100	\$ 2,000,000	
	D	105	Chamois*	DW291365-01	Well, Stor Rehab, Dis	396	\$ 1,514,707	\$ 345,000	\$ 1,035,000	20-4
C	D	405	Lanagan	DW291374-01	TP, Dis	420	\$ 400,000	\$ 100,000	\$ 300,000	20-3
	D	100	Silex	DW291377-01	TP, Dis, Stor	283	\$ 2,266,138	\$ 566,534	\$ 1,699,604	20-4
	D	95	Camden County PWSD #1	DW291373-01	Dis, Stor, TP, Stor Rehab, Well, Well Rehab	1,165	\$ 3,417,000	\$ 1,417,000	\$ 2,000,000	20-4
C	D	414	Centertown	DW291337-02	Stor, Dis, Well	278	\$ 2,929,515	\$ 929,515	\$ 2,000,000	20-4
		94					\$ 1,781,084	\$ 445,271	\$ 1,335,813	
	D	90	Newburg	DW291229-02	Dis, Stor, Well Rehab	470	\$ 1,129,826	\$ 282,456	\$ 847,370	20-4
C	D	85	Madison County PWSD #1	DW291364-01	Dis, Well, Stor	1,009	\$ 3,227,225	\$ 1,227,225	\$ 2,000,000	20-2
	D	82	Clarkton*	DW291372-01	Dis, Stor Rehab, Well Rehab, TP	1,288	\$ 3,627,052	\$ 995,000	\$ 2,000,000	20-4
C	D	71	Pierce City	DW291345-01	Dis, Stor Rehab, TP	1,261	\$ 4,693,170	\$ 2,693,170	\$ 2,000,000	20-3
							\$ 5,008,612	\$ 2,508,612	\$ 2,000,000	20-4
	D	65	Warsaw*	DW291293-02	Dis	2,125	\$ 4,905,003	\$ 1,278,700	\$ 1,316,024	20-4
								\$ 2,000,000		
C	D	55	Urbana	DW291367-01	Dis	417	\$ 1,161,933	\$ 290,483	\$ 871,450	20-4
		65					\$ 1,873,236	\$ 468,309	\$ 1,404,927	
C	D	45	Laurie	DW291312-02	Dis	945	\$ 1,313,795	\$ 328,449	\$ 985,346	20-3

Carryover	Disadvantaged	Priority Points	Applicant	Project #	Description/ Needs Category	Service Area Population	Amount Requested	Loan Amount	Additional Subsidization Amount	Est. Financing Schedule FY - Quarter
C		81	Plattsburg	DW291210-03	Dis, Stor	2,319	\$ 3,829,785 \$ 3,650,558	\$ 3,829,785 \$ 3,650,558	\$ -	20-4
		77	Southwest Rural Water Supply	DW291371-01	Dis, Stor, Well	2,700	\$ 1,921,500	\$ 1,921,500	\$ -	20-4
C		54	Brashear	DW291347-01	Stor	273	\$ 950,748	\$ 950,748	\$ -	20-4
		52	Saline County PWSD #1	DW291359-01	Dis, Stor	591	\$ 1,096,462	\$ 1,096,462	\$ -	20-4
Very Small Community Total							\$ 37,941,994	\$ 18,372,924	\$ 17,308,060	
Balance								\$ -	\$ -	
Small Community (Systems that serve a population of 3,301 to 9,999)								\$ 13,693,388	\$ -	
		73	Marshfield	DW291148-04	TP, Stor, Well Rehab	6,633	\$ 6,151,126	\$ 6,151,126	\$ -	20-2
C		45	Carrollton PWS	DW291368-01	Dis	3,784	\$ 4,180,647	\$ 4,180,647	\$ -	20-3 20-4
C		41	Bowling Green	DW291167-04	Dis	5,334	\$ 862,450 \$ 845,325	\$ 862,450 \$ 845,325	\$ -	20-4
C		25	Centralia	DW291366-01	TP	4,027	\$ 2,516,290	\$ 2,516,290	\$ -	20-3
Small Community Total							\$ 13,693,388	\$ 13,693,388	\$ -	
Balance								\$ -	\$ -	
General Community								\$ 62,430,664	\$ -	
Missouri American Water - 40 Jefferson City Plant Upgrades							\$ 12,208,539	\$ 12,208,539	\$ -	20-2 20-4
							\$ 10,315,000	\$ 10,315,000	\$ -	
General Community Total							\$ 10,315,000	\$ 10,315,000	\$ -	
Balance								\$ 52,115,664	\$ -	
Total Fundable List Projects							\$ 61,950,382	\$ 42,381,312	\$ -	
Balance of Fundable List								\$ 52,115,664	\$ -	

Carryover	Disadvantaged	Priority Points	Applicant	Project #	Description/ Needs Category	Service Area Population	Amount Requested	Loan Amount	Additional Subsidization Amount	Est. Financing Schedule FY - Quarter
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FUNDABLE CONTINGENCY LIST										
(Debt instrument secured and facility plan submitted; fundable if funds become available)							\$	-	\$	-
						\$	-	\$	-	
Total Fundable Contingency Projects							\$	-	\$	-

CONTINGENCY LIST										
(Either debt instrument or facility plan has not been submitted)							\$	-	\$	-
						\$	-	\$	-	
Total Contingency Projects							\$	-	\$	-

PLANNING LIST - AVAILABLE FUNDS										
(Debt instrument and facility plan not yet secured/submitted)							\$	-	\$	-
Total Planning List Projects							\$	-	\$	-

Description Reference List		
	TP - Treatment	Well - Well
C	Carried over from the last Intended Use Plan	Stor - Storage
		Stor Rehab - Storage Rehabilitation
D	Disadvantaged	Dis - Distribution
		Well Rehab - Well Rehabilitation
	Rehab - Rehabilitation	

Notes:

* Applicant has a max bonding capacity that the loan amount cannot exceed.

Final eligible costs will be determined as documents are submitted and the project progresses toward loan closing.

Financing schedule shown is for planning purposes only. Final scheduling will be determined as documents are submitted and approvals obtained.

Carry over projects from the fiscal year 2020 list must reapply to be considered for the fiscal year 2021 list.

Appendix 4: Environmental Protection Agency Requirements and Assurances

The Department makes a number of program commitments and state assurances related to managing the Drinking Water State Revolving Fund (DWSRF). The Department intends to comply with each of the terms and conditions in the capitalization grant. Notable program commitments are described below:

Federal capitalization grants

The Department receives federal capitalization grants from the EPA. There is a 20 percent state match required to receive the grants. The funds are used in accordance with applicable federal and state program requirements. State match funds are disbursed prior to using capitalization grant funds.

Additional subsidization

Each year, EPA directs the state to utilize a portion of the capitalization grant to provide additional subsidization based on annual appropriations. Missouri safe drinking water regulations allow for DWSRF-eligible recipients to receive additional subsidies in the form of principal forgiveness, negative interest rate loans, grants, or any combination thereof per any federal act and in the form of a loan (e.g. a loan including principal forgiveness or negative interest rates) for the state-defined disadvantaged communities. A summary of the amounts available for this purpose from each capitalization grant appears below.

Capitalization Grant Year	Amount
2015 Federal Fiscal Year Required Amount	\$491,232
2016 Federal Fiscal Year Required Amount	\$3,356,200
2017 Federal Fiscal Year Required Amount	\$3,327,400
2018 Federal Fiscal Year Required Amount	\$3,916,400
2019 Federal Fiscal Year Required Amount	\$3,879,800
2019 Federal Fiscal Year Disadvantaged Required Amount	\$1,163,940
2019 Federal Fiscal Year Disadvantaged Supplemental Amount	\$5,625,710 \$4,327,929

The federal fiscal year 2019 capitalization grant requires that 20 percent of the \$19,399,000 grant shall be used to provide additional subsidies to any DWSRF-eligible recipient, and that at least 6 percent, but no more than 35 percent, shall go to state-defined disadvantaged communities. The required amount that the Department must utilize to provide additional subsidization for qualifying DWSRF-eligible recipients is \$3,879,800 (20 percent) and \$1,163,940 (6 percent) for qualifying state-defined disadvantaged communities. The Department has the option to utilize an additional amount ~~of~~ **up to** \$5,625,710 (29 percent) to provide additional subsidies for the state-defined disadvantaged communities.

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020
Agenda Item # E
New Business

Issue:

This routine agenda item provides the Commission the opportunity to discuss last minute or minor issues arising after the agenda has been finalized.

Recommended Action:

Information only.

Presented by:

Liz Grove, Chair, SDWC

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020

Agenda Item # F
Open Comment Session

Issue:

This routine agenda item provides an opportunity for the public to comment on any issues pertinent to the Commission's roles and responsibilities.

Recommended Action:

Information only.

Presented by:

Liz Grove, Chair, SDWC

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020

Agenda Item #G
Future Meeting Dates

Information:

Tentative meeting dates and locations:

Date	Time	Location
Friday, July 10, 2020	10:00 A.M.	Virtual Meeting/ Conference Call
Friday, September 18, 2020 (Public Hearing)	10:00 A.M.	Virtual Meeting
Wednesday, October 14, 2020	10:00 A.M.	TBD
Monday, November 23, 2020	10:00 A.M.	Virtual Meeting/Conference Call

Recommended Action:

Information only.

Presented by:

Liz Grove, Chair, SDWC

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020
Agenda Item # H
Closed Session

Issue:

This portion of the meeting may be closed if such action is approved by a majority vote of the Safe Drinking water Commission members who constitute a quorum, pursuant to Section 610.021, RSMo.

Presented by:

Liz Grove, Chair, SDWC

Safe Drinking Water Commission

Department of Natural Resources
Division of Environmental Quality
Water Protection Program
Public Drinking Water Branch

July 8, 2020

Agenda Item # I
Meeting Adjournment

Issue:

Routine conclusion of Commission business.

Recommended Action:

Commissioners vote to adjourn the meeting

Suggested Motion Language:

Chair Grove, I move this meeting of the Safe Drinking Water Commission be adjourned.

Presented by:

Liz Grove, Chair, SDWC