

REGULAR SESSION –WEDNESDAY, SEPTEMBER 21, 2022

STATE OF KANSAS)
) SS
CITY OF KANSAS CITY)

The Board of Public Utilities of Kansas City, Kansas (aka BPU, We, Us, Our) met in Regular Session on Wednesday, September 21, 2022 at 6:00 P.M. The following Board Members were present: Mary Gonzales, President; Rose Mulvany Henry, Vice President; Thomas Groneman, Secretary; Robert L. Milan, Jeff Bryant, and David Haley.

Also present: William Johnson, General Manager; Angela Lawson, Deputy Chief Counsel; Jeremy Ash, Interim Chief Operating Officer; Jhonetta Hinson, Executive Director Customer Service; Dong Quach, Executive Director Electric Production; Steve Green, Executive Director Water Operations; Jerin Purtee, Executive Director Electric Supply; Maurice Moss, Executive Director Corporate Compliance; David Mehlhaff, Chief Communications Officer; Randy Otting, Director Accounting; Patrice Townsend, Director Utility Services; Steve Nirschl, Director Water Processing; Clifford Robinett, Acting Director Water Distribution; Brandon Sisk, Project Engineer II; Phillip Brown, Senior Civil Engineer; and Robert Kamp, IT Project Manager.

A tape of this meeting is on file at the Board of Public Utilities.

Ms. Gonzales called the Board meeting to order at 6:04 P.M. She welcomed all that were listening to or viewing the meeting. She stated that the Board felt it was necessary to offer the use of technology for staff as well as for the general public. During the public comment section, members of the public who wished to speak to the Board using Zoom needed to use the Raise Hand feature at the bottom of the application or window to signal that they wish to address the board during the public comment section. Members of the public connected by phone only, needed to press *9 to indicate they wished to address the Board in the public comment section. Staff would assist those attending in person. During the public comment section of the agenda, community members would be asked to provide their name and address and had five minutes to speak. As always, the public could also email or call the BPU with any concerns. The agenda and presentations could be found on the BPU website or if they were using Zoom they would appear on their screen. Ms. Gonzales introduced herself and the other Board Members along with the General Manager, and Legal Counsel.

Roll call was taken and all Board Members were present.

Item #3 – Approval of 2nd Amended Agenda

A motion was made to approve the 2nd Amended Agenda by Mr. Bryant, seconded by Mr. Milan, and unanimously carried.

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Item #4– Approval of Regular Session Minutes of August 17, 2022

A motion was made to approve the minutes of the Regular Session of August 17, 2022, by Ms. Mulvany Henry, seconded by Mr. Bryant, and unanimously carried.

Item #5 – Public Comments

There were no visitors wishing to speak.

Item #6 – General Manager / Staff Reports

- i. *Water Operations Quarterly Report:* Mr. Steve Green, Executive Director Water Operations introduced Mr. Marshall Robinett, Acting Director Water Distribution. During his introduction, he congratulated Mr. Robinett on passing the test and obtaining his Distribution license.

Mr. Robinett and Mr. Steve Nirschl, Director Water Processing, gave the Board recap on Water Distribution and Water Production, including capital improvements for 2022. Mr. Brandon Sisk, Project Engineer II presented to the Board an overview on the demolition and status of the Argentine Reservoir project. (See attached PowerPoint.)

Mr. Green, Mr. Robinett, Mr. Johnson, responded to questions and comments from the Board.

- ii. *KDHE Revolving Loan – Resolution #5276:* Mr. Phillip Brown, Senior Civil Engineer, reviewed *Resolution #5276* with the Board. (See attached PowerPoint.)

Mr. Brown, Mr. Green, and Mr. Randy Otting, Director Accounting, responded to questions and comments from the Board.

A motion was made to approve Resolution #5276 - Amending the Amount of the KDHE Revolving Loan by Ms. Mulvany Henry, seconded by Mr. Bryant, and unanimously carried.

- iii. *Vote on Yards II EDC 2nd Application – Resolution #5277:* Ms. Angela Lawson, Deputy Chief Counsel, provided the Board with two resolutions regarding the Yards II

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Miscellaneous Comments: Mr. Johnson updated the Board on the UG Economic Development Task Force. The interim County Administrator had put out an RFP for a consultant to look at the UG Economic Development procedures. He said that a date had not been set for the next UG Efficiency Task Force meeting. He reported that the search firm selected for the County Administrator search had withdrawn from consideration. The task force would be meeting the runner-up firm and continue to move forward.

He reported to the Board on a meeting had with Lieutenant Governor Toland which included a discussion about the need to be competitive in bringing data centers to our area.

He spoke to the Board about the Leadership Exchange trip he had made to Detroit, MI and about the strides they were making to recover from bankruptcy.

He informed the Board that the cameras had been installed. After discussion it was decided to begin video recording as of October 5th.

He said that the Cold Weather Rule and possibly minor revisions to other Customer Service Policies would be on an Agenda in October for the Board to consider.

Item #7– Board Comments

Ms. Mulvany Henry thanked the group from the Water Department for their impressive presentations.

Ms. Gonzales also thanked the Water Department for their presentations and congratulated Mr. Robinett on getting his certification. She also congratulated Mr. Johnson for being recognized in Ingram’s Magazine. She also spoke about attending a UG meeting on the charter review.

Mr. Groneman had no comments.

Ms. Haley thanked the Water Department for their helpful report. He also commented going live with future meetings and about attending the UG Finance Committee meeting and the questions he raised about the PILOT.

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Mr. Milan thanked the Water Department for their assessment. He congratulated Mr. Johnson for his recognition in Ingram’s Magazine.

Mr. Bryant spoke about the discussion the Board had in the Work Session and how he felt it made them better Board members. He spoke about his appreciation of the Water Department. He also asked for an update on the lobby. He was also interested to hear about the UG’s study of the PILOT.

Mr. Haley asked if the misspelling of James Street on the resolution could be fixed without Board action.

Ms. Lawson said it would be fixed.

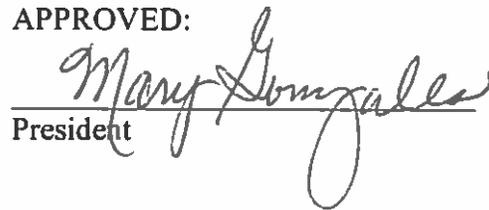
Item #8 – Adjourn

A motion was made to adjourn at 7:59 P.M. by Mr. Groneman, seconded by Mr. Milan, and unanimously carried.

ATTEST:


Secretary

APPROVED:


President

WATER OPERATIONS UPDATE

Sept 21st, 2022



Water Operations Team

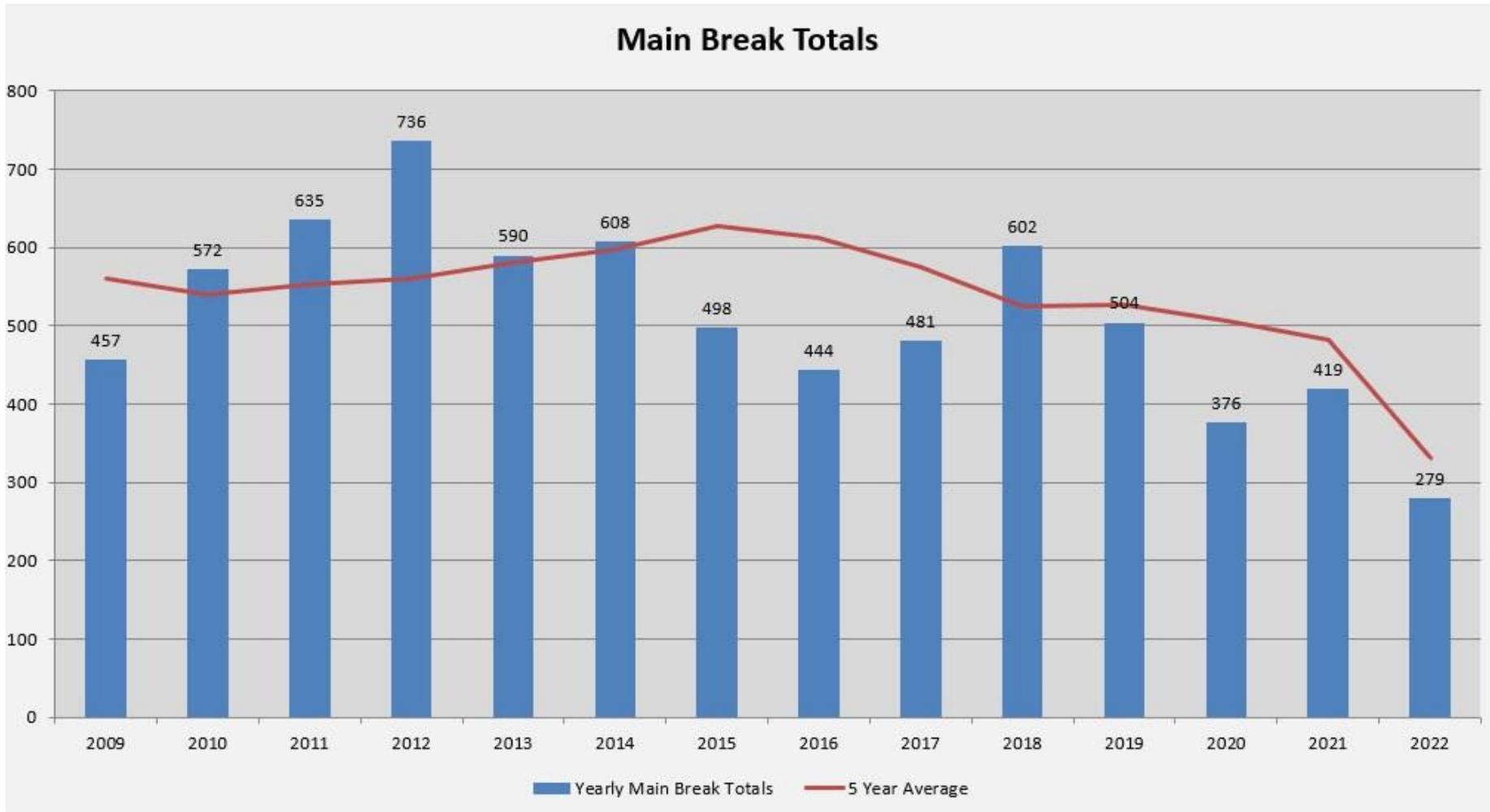
- Water Distribution
 - Acting Distribution Director
 - Marshall Robinett
- Water Production
 - Director Water Processing
 - Steve Nirschl
- Water Engineering
 - Project Engineer II
 - Brandon Sisk

WATER DISTRIBUTION

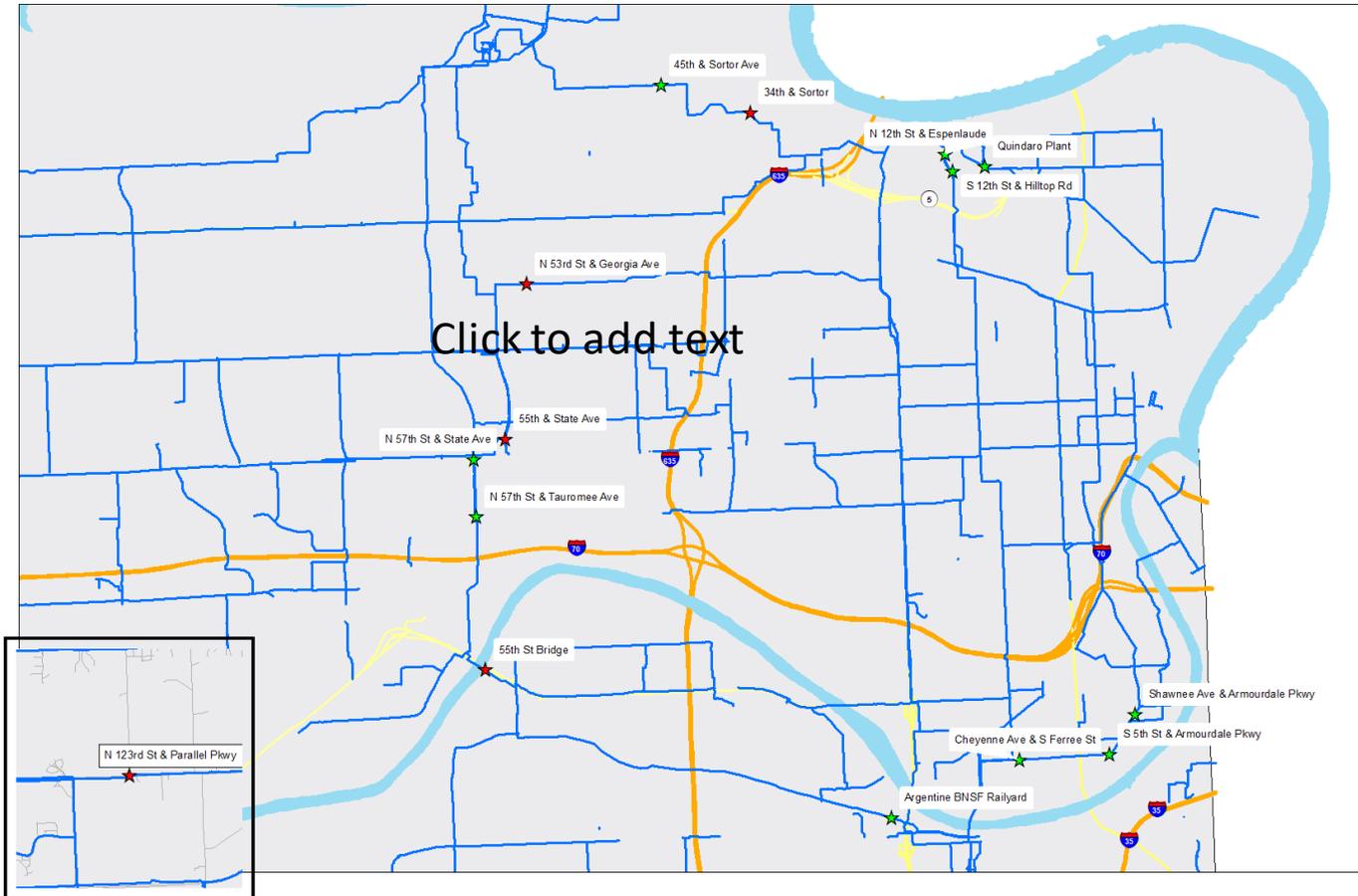
Water Distribution Recap of 2022

- **2022 Leaks**
 - Main Leaks - 279 YTD
 - 17% below the 5 Year Avg.
 - 26% below the 10 Year Avg.
 - Valve Leaks - 26
 - Fire Hydrant Leaks - 34
 - Abandonment Leaks- 20
 - Service Leaks - 189

Water Main Leaks/Breaks



Transmission Main Leak Map



Transmission Main Leaks

- Repaired
 - 30" and 24" CI Main Leaks
 - Cheyenne and Ferree
 - S. 5th and Armourdale Pkwy
 - Shawnee Ave and Armourdale Pkwy
 - 12th and Espenlade Ln
 - 12th and Hilltop
 - 30", 36" and 48" PCCP Main Leaks
 - 45th and Sortor
 - 57th and Tauromee Ave
 - Argentine BNSF Railyard
 - Diaper repair due to damage from contractor
 - Valve Replacements
 - 57th and State Ave
 - Quindaro Plant
- Active
 - 48" PCCP - 34th and Sortor
 - 42" PCCP - 53rd and Georgia
 - 24" PCCP - 123rd and Parallel
 - 24" Steel - 55th Street Bridge
 - 36" Valve - 55th and State Ave

Transmission Main Pictures

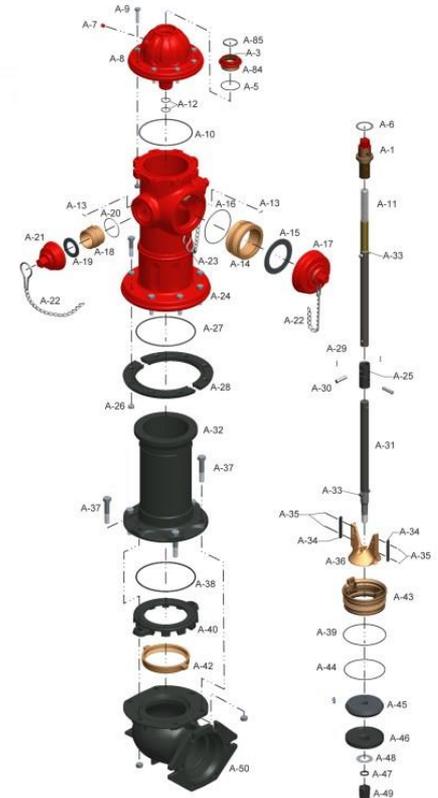


Transmission Main Pictures



Hydrants Work Orders

- **Completed Work Orders**
 - Installed - 13
 - Repaired - 257
 - Replaced - 82
- **Open Work Orders**
 - Repair - 69
 - Replace - 6



Main Replacement

- **BPU Crew Water Main Projects**
 - 98th St and Swartz Rd
 - 1,500 Ft of 6 Inch Pipe
 - Lake Ave and Lloyd St
 - 500 Ft of 2 Inch Pipe
 - Lake Ave and Fisher St
 - 200 Ft of 2 Inch Pipe
 - 12th St and Greeley Ave
 - 500 Ft of 2 Inch Pipe
 - 8th St and Waverly Ave
 - 600 Ft of 2 Inch Pipe
 - 62nd St and Troup Ave
 - 600 Ft of 6 Inch Pipe



Five pumps provide total potential capacity up to 36 MGD

- **VFD and motor failures occurring in 2022**
 - After risk analysis, purchased a soft starter and rented a VFD for temporary use
 - Upgrades scheduled to begin in 2023
 - Repair/replacement includes motors, VFDs, and switch gear



Four pumps provide total potential capacity up to 40 MGD

- **VFD failures occurred in 2022**
 - First failure occurred in May
 - Ordered 1 VFD in May
 - Risk Analysis resulted in decision to replace remaining VFDs
 - Analysis determined that the remaining VFD's were obsolete and unable to be repaired.
 - 3 remaining VFDs ordered and scheduled for delivery 1st quarter 2023



WATER PRODUCTION

Replaced NWTP Roof on Operations, High Service, Filter Buildings.

- Total Roof Replaced 49,075 square feet



Replaced Variable Frequency Drive in High Service Pump Station

- New VFD Drive Panel

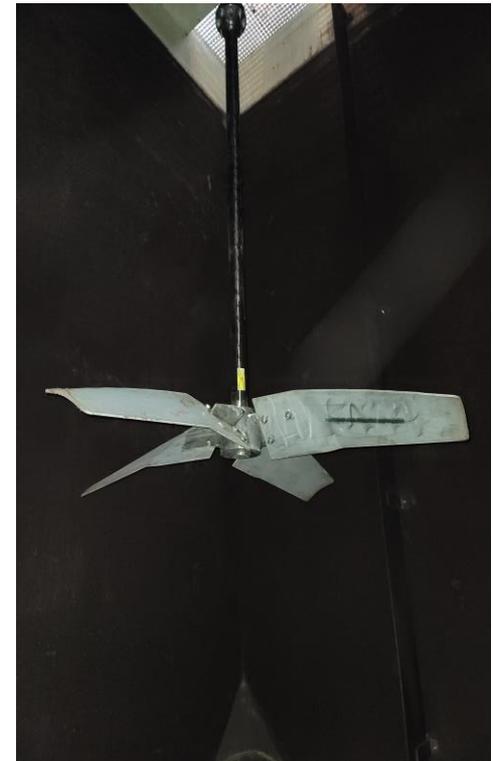


- VFD with 26 MGD pump



Replaced Mixtec Injection Mixer

Gearbox failed on original unit



Replaced 36-inch section of wastewater outfall pipe

**Old waste-water outfall steel
concrete lined pipe**



**New waste-water outfall pipe
fiberglass resin pipe**



Air Wash Blower 2 Rebuild

Old blower unit before rebuild

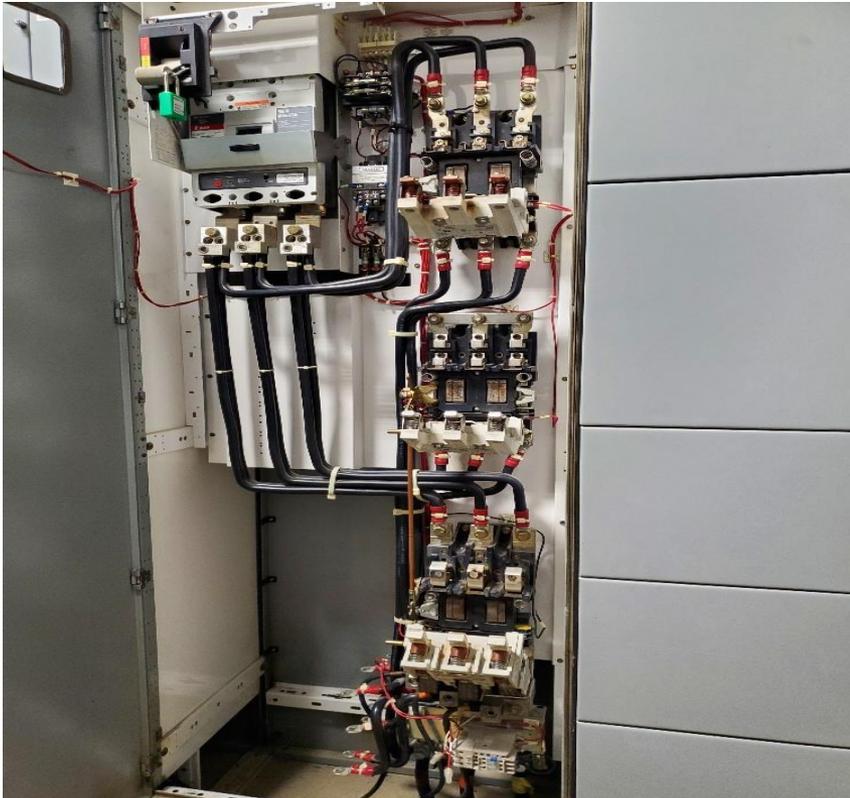


Rebuilt blower unit



Air Wash Blower Reduced Voltage Starter

Old 480 volt combination starter

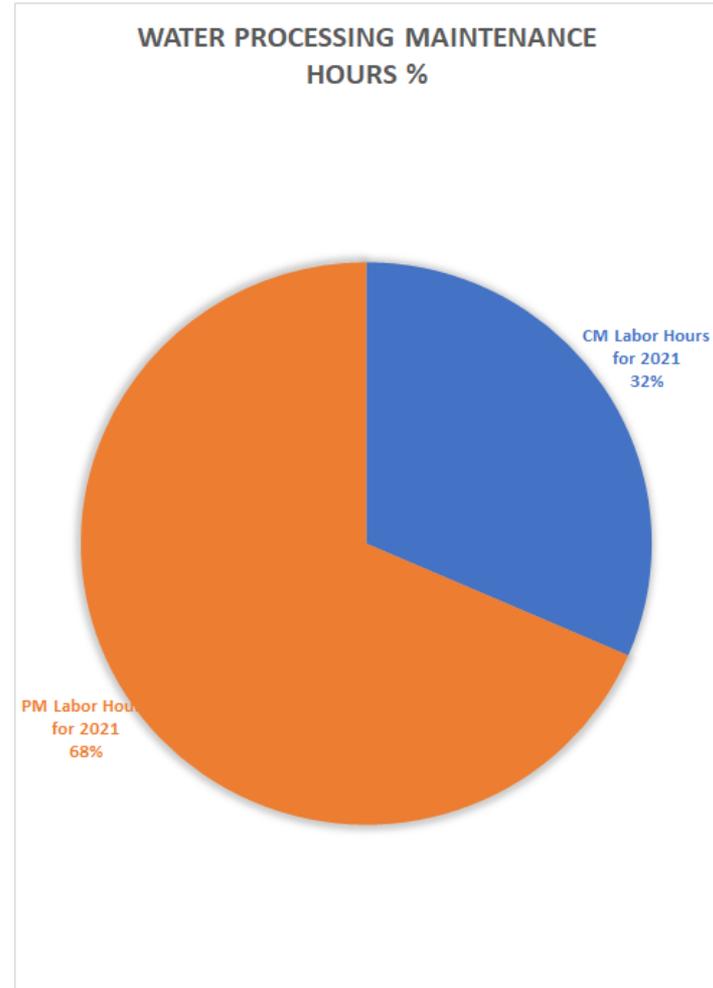


New 480 reduced voltage starter

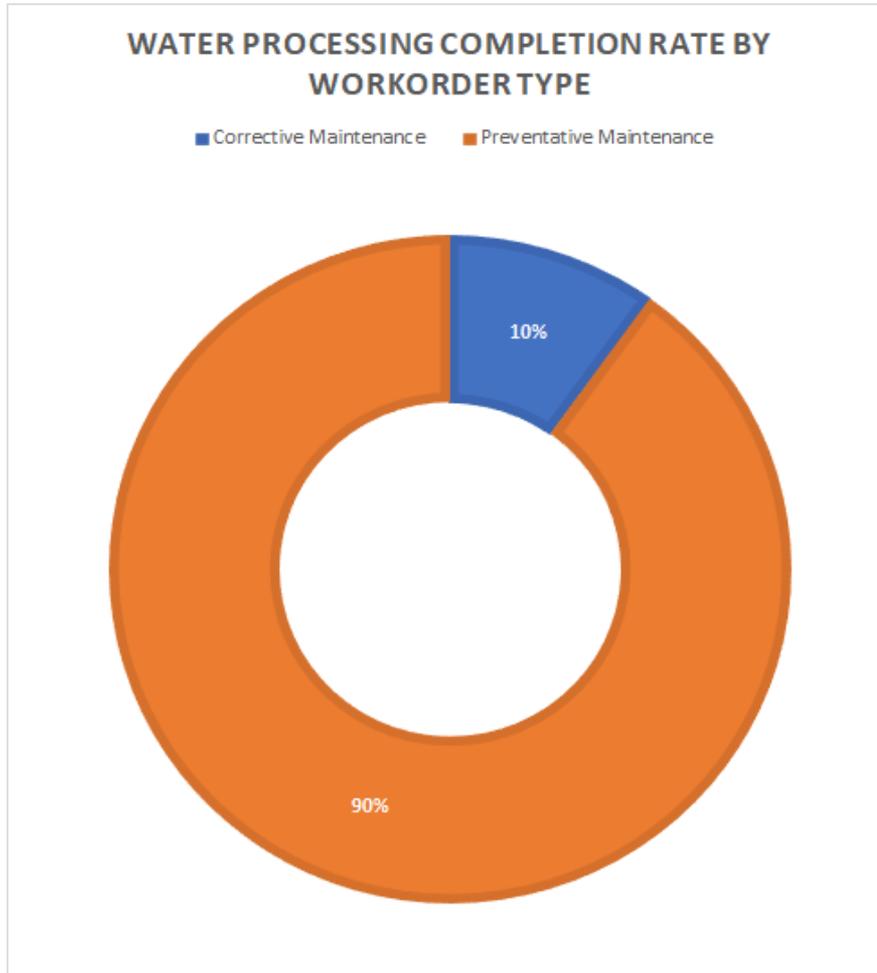


Water Processing Maintenance Hours %

- This metric shows the percent of Time spent on Corrective Maintenance 32% Versus Preventative Maintenance 68%



Water Processing Completion Rate by Workorder Type



- This metric quantifies the percentage of workorders completed based on when the type of workorder. 90% of the workorders completed are Preventative Maintenance and 10% are Corrective Maintenance.

- Lead and Copper
 - Required sampling every 3 Years (Last Monitored 2023)
 - BPU is required to sample (60) Lead and Copper designated sites
 - New Requirements coming 2025, new sample sites will be determined
 - Required to test all Schools - (59) Total
 - Required to test all Licensed Child Care Facilities - (141)
 - Required to test 20% over 5-year period
- UCMR 5 will begin 2024 - 2025
 - 29 PFAS synthetic chemicals and lithium

- Aging Infrastructure - Keeping up with building and equipment.
- Future Regulations - Keeping up with regulations, PFAS, Lead & Copper, Disinfection By Products.
- Thanks - Very thankful for all of the assistance from the various departments. Water Engineering, Water Distribution, Water production Staff, Environmental, Power Plant Roving Crew, and Painters.

Argentine Reservoir Update

Argentine Reservoir Project Background

- 12 MG Open Reservoir constructed circa 1920
- 4 MG Reservoir constructed in 1947
- Roof Installed on 12 MG in 1957
- 4 MG replaced in 1995
- 12 MG Reservoir removed from Service in 2011
- Demo Started June 2022
- Scheduled Completion Nov. 2023



12MG Demolition Progress



12MG Demolition Progress



Current Progress



- Demo of 12MG Reservoir is 95% complete with only debris removal remaining and the demolition of surrounding structures
- Dirt work has commenced to haul away excess dirt from the site and excavate down to the required elevation for the new reservoir floor.

Thank You