

REGULAR SESSION –WEDNESDAY, MAY 5, 2021

STATE OF KANSAS)
) SS
CITY OF KANSAS CITY)

The Board of Public Utilities of Kansas City, Kansas (aka BPU, We, Us, Our) met remotely in Regular Session on Wednesday, May 5, 2021 at 6:00 P.M. The following Board Members were on the teleconference: Robert L. Milan, President; Mary Gonzales, Vice President; Rose Mulvany Henry, Secretary; Thomas Groneman, and Ryan Eidson. Jeff Bryant was absent.

Also on teleconference: William Johnson, General Manager; Angela Lawson, Deputy Chief Counsel; Lori Austin, Chief Financial Officer/Chief Administrative Officer; Steve Green, Executive Director Water Operations; Johnetta Hinson, Executive Director Customer Service; Dong Quach, Executive Director Electric Production; Jerry Ohmes, Executive Director Electric Supply; Jerry Sullivan, Chief Information Officer; David Mehlhaff, Chief Communications Officer; Robert Kamp, IT Project Manager; Dennis Dumovich, Director of Human Resources; Darren McNew, Director Electric Transmission & Substation; Patrice Townsend, Director Utility Services; and Steve Nirschl, Director Water Processing.

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

Mr. Milan called the Board Meeting to order at 6:02 P.M. He welcomed all that were listening or viewing the meeting. He stated the COVID-19 pandemic had made it necessary to conduct the meeting using technology for staff as well as for the general public. Those wishing to offer comments during the Public Comments section could click on the raised hand feature at the bottom of the application or window or press Star 9 and be connected by phone. As always, the public could email or call the BPU with any concerns. The Agenda could be found on the BPU website. If they were using Zoom, it would appear on their screen. Mr. Milan introduced himself and the other Board Members along with the General Manager, and Legal Counsel.

Roll call was taken and all Board Members were present via teleconference, with the exception of Mr. Bryant.

Item #3 – Approval of Agenda

A motion was made to approve the Agenda by Ms. Mulvany Henry, seconded by Mr. Groneman, and unanimously carried.

Item #4 – Approval of Work Session Minutes

A motion was made to approve the minutes of the Work Session of April 21, 2021 by Ms. Mulvany Henry, seconded by Ms. Gonzales, and unanimously carried.

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Item #5 – Approval of Regular Session Minutes

A motion was made to approve the minutes of the Regular Session of April 21, 2021 by Ms. Mulvany Henry, seconded by Ms. Gonzales. and unanimously carried.

Item #6 – Public Comments

Mr. William Johnson, General Manager, asked Mr. Robert Kamp, IT Project Manager, if there were any visitors wishing to speak.

Mr. Kamp said that no one had their hand raised via teleconference.

Item #7 – General Manager / Staff Reports

- i. *COVID-19 Update:* Mr. Dennis Dumovich, Director of Human Resources, gave an update on company COVID-19 matters. He also informed the board that a memo had gone out to all employees to update them on the new COVID guidelines.

Mr. Johnson and Ms. Johnetta Hinson, Executive Director Customer Service, updated the Board on the collaboration with KERA program.

Mr. Johnson, Ms. Hinson, and Ms. Austin, addressed questions and comments from the Board.

- ii. *March 2021 Financials:* Lori Austin, Chief Financial Officer/Chief Administrative Officer, presented the preliminary February 2021 Financials with a PowerPoint presentation (see attached).
- iii. *Water Operations Update:* Mr. Steve Green, Executive Director Water Operations and Mr. Steve Nirschl, Director Water Processing, delivered a PowerPoint presentation to update the Board on Water Operations and Water Production including, work order statuses, priorities, and instrument improvements (see attached).
- iv. *Miscellaneous Comments:* Mr. Johnson wished Ms. Mulvany Henry a Happy Birthday.

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Item #8 – Board Comments

Mr. Eidson thanked everyone for the outstanding presentations and wished Ms. Mulvany Henry a Happy Birthday. He asked Mr. Johnson if the Unified Government was going to help fund the new bill design.

Mr. Johnson said that he would be speaking with Mr. Doug Bach, County Administrator.

Mr. Groneman echoed Mr. Eidson’s comments about the evening’s presentations and also wished a Happy Birthday to Ms. Mulvany Henry.

Ms. Gonzales thanked all for the presentations and Happy Birthday to Ms. Mulvany Henry.

Ms. Mulvany Henry echoed all the other comments and thanked everyone for the Birthday wishes.

Mr. Milan echoed all of the Board’s comments. He also expressed his excitement for the new bill design and appreciated the Water Department making sure the Board was kept up to date on their operations. He also wished Ms. Mulvany Henry a Happy Birthday

Item #10 – Adjourn

A motion was made to adjourn the Regular Session at 7:08 P.M. by Ms. Mulvany Henry, seconded by Ms. Gonzales, and unanimously carried.

ATTEST:

DocSigned by:

Rose Mulvany Henry

7320225A3000456
Secretary

APPROVED:

Robert Milan Sr.
President

March 2021 Preliminary Financial Results

May 5, 2021

2021 Billed kWh (YTD Jan – Mar)

| Electric | (CY) 2021 YTD | (PY) 2020 YTD | |
|-------------|------------------|------------------|-------|
| Residential | 153,172,241 | 138,384,477 | |
| Commercial | 224,297,257 | 223,163,229 | |
| Industrial | 114,232,917 | 134,452,858 | |
| | 491,702,415 | 496,000,564 | -0.9% |

Lower usage in 2021 compared to 2020 due to slowdown of businesses especially in Industrial
 Residential usage increased over 2020 as a result colder weather especially in February
 Residential – Up 10% Commercial – Up .5% Industrial – Down 15%

2021 Billed CCF's (YTD Jan - Mar)

| Water | (CY) 2021 YTD | (PY) 2020 YTD | |
|-------------|------------------|------------------|-------|
| Residential | 817,391 | 786,405 | |
| Commercial | 535,045 | 559,235 | |
| Industrial | 409,924 | 479,480 | |
| | 1,762,360 | 1,825,120 | -3.4% |

Slightly lower usage compared to 2020 due to business shutdowns as a result of COVID-19

Residential – Up 4% Commercial – Down 4% Industrial - Down 14%



Financial Results

Revenues – March 2021

| | (CY) 2021 March | (PY) 2020 March | | Budget 2021 March | (CY) 2021 March | |
|-----------------|--------------------|--------------------|-------------|----------------------|--------------------|--------------|
| Electric | \$ 23.521 | \$ 22.099 | | \$ 19.395 | \$ 23.521 | |
| Water | 4.151 | 3.809 | | 3.855 | 4.151 | |
| Combined | \$ 27.672 | \$ 25.908 | 6.8% | \$ 23.250 | \$ 27.672 | 19.0% |

**Dollars in millions

Actual Compared to 2021 Budget

Electric up 21%

Water up 7%

**All core customer classes show increased billed revenue versus budget for the month.

Recognized ERC Over Collection for 3rd/4th Quarter of 2020 of \$11.7 million (\$1.9 million).
This is being recognized as revenue and amortized over the next 6 months (Jan-Jun 2021)

Financial Results

Revenues – 2021 YTD

| | (CY) 2021 YTD | (PY) 2020 YTD | | Budget 2021 YTD | (CY) 2021 YTD | |
|----------|------------------|------------------|-------|--------------------|------------------|-------|
| Electric | \$ 86.568 | \$ 69.923 | | \$ 62.254 | \$ 86.568 | |
| Water | 11.762 | 12.145 | | 12.198 | 11.762 | |
| Combined | \$ 98.330 | \$ 82.068 | 19.8% | \$ 74.452 | \$ 98.330 | 32.1% |

**Dollars in millions

Variance – YTD comparing Budget to Actual for 2021

Electric: *Up 39%*

Residential \$915K

Commercial (\$194K)

Industrial (\$750K)

Schools \$ 442K

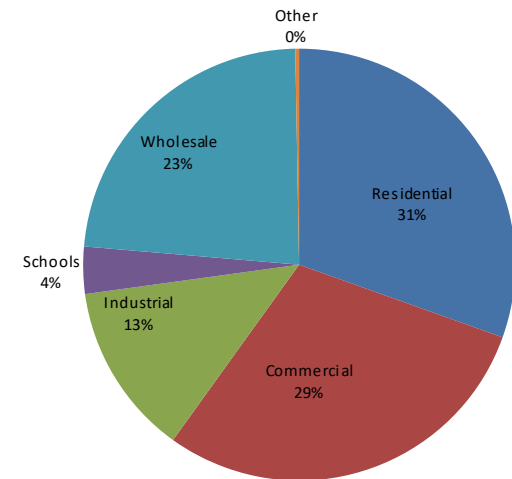
Wholesale \$18.2M

Water: *Up 3.5%*

Residential \$39K

Commercial (\$149K)

Industrial (\$236K)



Recognized \$5.8M deferral of revenue YTD from the 2020 ERC in 2021

Operating Expenses – March 2021

| | (CY) 2021 March | (PY) 2020 March | | Budget 2021 March | (CY) 2021 March | |
|----------|--------------------|--------------------|------|----------------------|--------------------|------|
| Electric | \$ 17.047 | \$ 15.850 | | \$ 16.308 | \$ 17.047 | |
| Water | 3.095 | 2.926 | | 3.188 | 3.095 | |
| Combined | \$ 20.142 | \$ 18.776 | 7.3% | \$ 19.496 | \$ 20.142 | 3.3% |

**Dollars in millions

Variance – Comparing Budget to Actual for 2021

Electric – up 4%

| | |
|-----------------|------------|
| Production | - 7% up |
| Purchased Power | - 35% up |
| Fuel | - 22% down |
| T&D | - 13% down |
| G &A | - 13% down |

Water – down 3%

| | |
|------------|------------|
| Production | - 13% down |
| T&D | - 1% down |
| G &A | - 6% down |

Financial Results

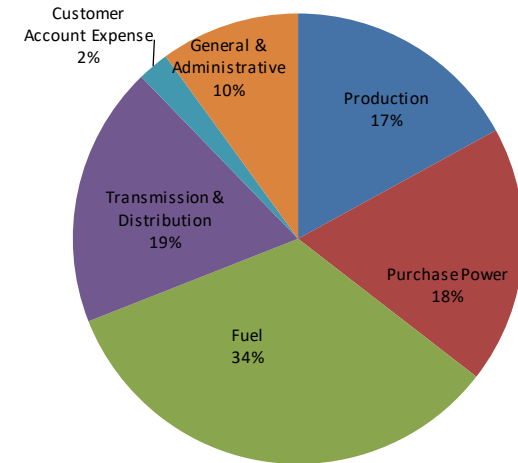
Operating Expenses – 2021 YTD (Total)

| | (CY) 2021 YTD | (PY) 2020 YTD | | Budget 2021 YTD | (CY) 2021 YTD | |
|----------|------------------|------------------|-------|--------------------|------------------|-------|
| Electric | \$ 56.724 | \$ 46.544 | | \$ 49.753 | \$ 56.724 | |
| Water | 8.609 | 8.845 | | 9.614 | 8.609 | |
| Combined | \$ 65.333 | \$ 55.389 | 18.0% | \$ 59.367 | \$ 65.333 | 10.0% |

**Dollars in millions

Actual Compared to 2020 Budget

- Electric up 14%
- Water down 10%



Operating Expenses – 2021 YTD less Depreciation

| | (CY) 2021 YTD | (PY) 2020 YTD | | Budget 2021 YTD | (CY) 2021 YTD | |
|----------|------------------|------------------|-------|--------------------|------------------|-------|
| Electric | \$ 49.088 | \$ 39.700 | | \$ 42.282 | \$ 49.088 | |
| Water | 6.519 | 6.920 | | 7.631 | 6.519 | |
| Combined | \$ 55.607 | \$ 46.620 | 19.3% | \$ 49.913 | \$ 55.607 | 11.4% |

**Dollars in millions

Variance – YTD comparing Budget to Actual 2021

Electric:

Purchased Power **(\$1.1M)**
 Fuel **\$12.0M**
 Production **(\$850K)**
 T&D **(\$1.6M)**
 G&A **(\$1.5M)**

Water:

Production **(\$300K)**
 T&D **(\$312K)**
 G&A **(\$435K)**



Financial Results

Change in Net Position – March 2021

| | (CY) 2021 March | (PY) 2020 March | | Budget 2021 March | (CY) 2021 March |
|----------|--------------------|--------------------|-------|----------------------|--------------------|
| Electric | \$ 2.574 | \$ 1.982 | | \$ (0.521) | \$ 2.574 |
| Water | 0.792 | 0.235 | | 0.085 | 0.792 |
| Combined | \$ 3.366 | \$ 2.217 | 51.8% | \$ (0.436) | \$ 3.366 |

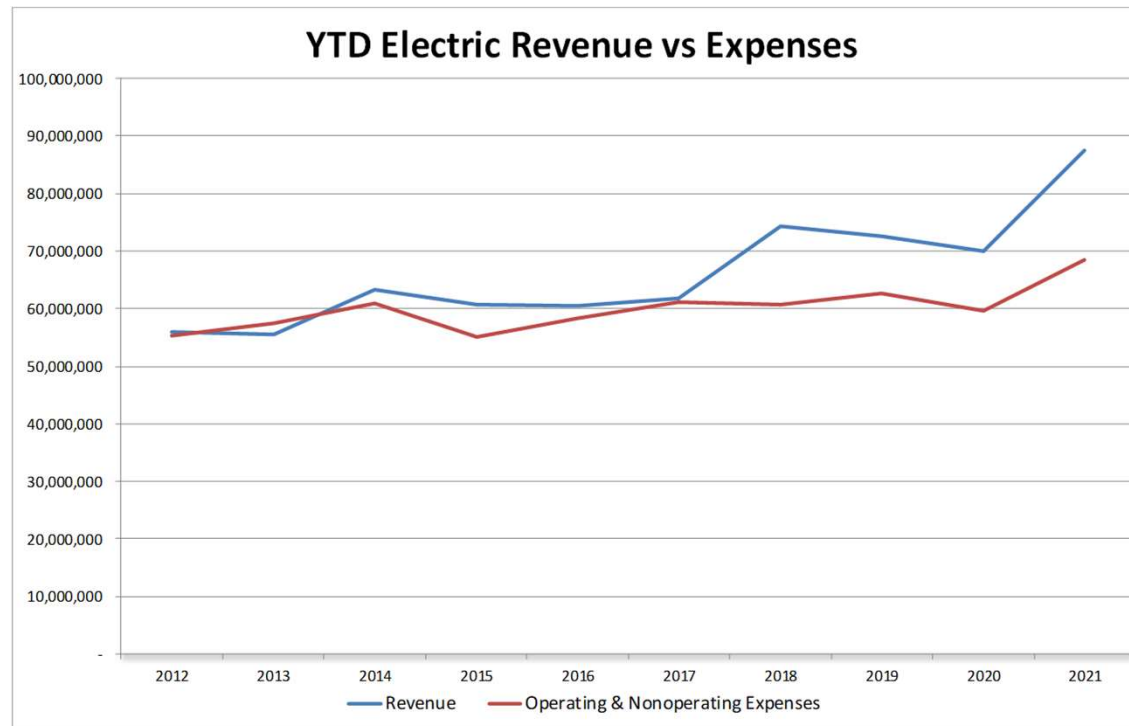
**Dollars in millions

Change in Net Position – 2021 YTD

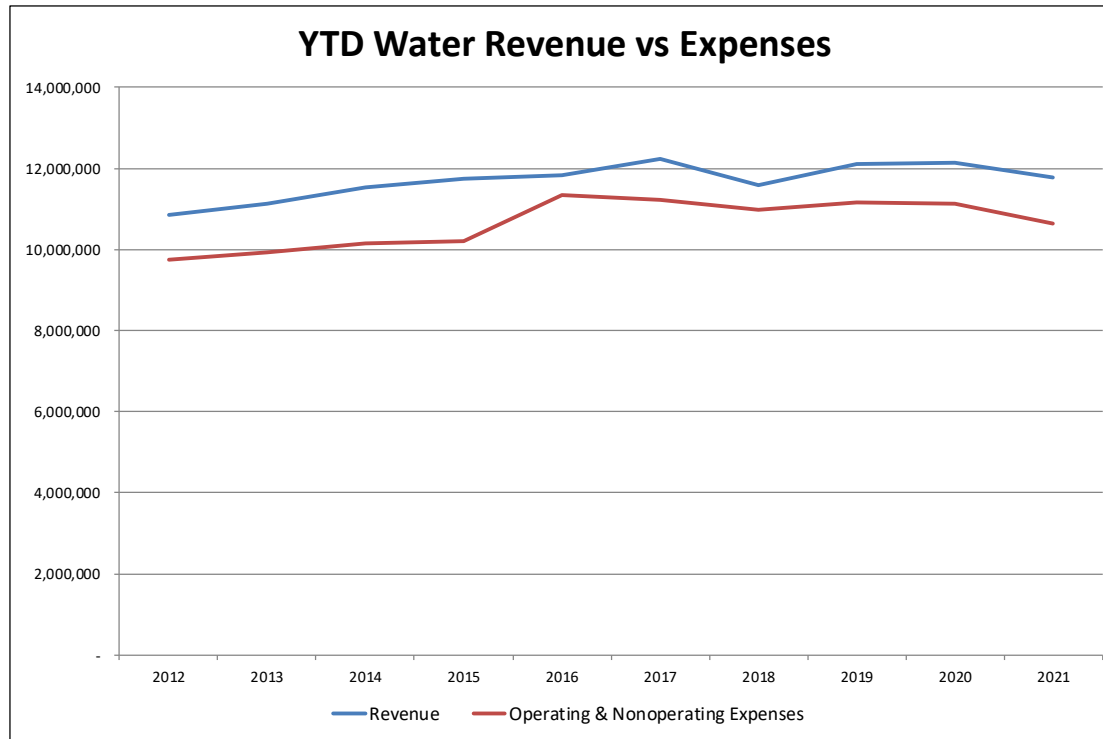
| | (CY) 2021 YTD | (PY) 2020 YTD | | Budget 2021 YTD | (CY) 2021 YTD |
|----------|------------------|------------------|-------|--------------------|------------------|
| Electric | \$ 18.119 | \$ 10.374 | | \$ 1.176 | \$ 18.119 |
| Water | 1.379 | 1.013 | | 0.754 | 1.379 |
| Combined | \$ 19.498 | \$ 11.387 | 71.2% | \$ 1.930 | \$ 19.498 |

**Dollars in millions

Financial Results – 10 Year Trend



Financial Results – 10 Year Trend



Cash Position

| | (CY) 2021 March | (PY) 2020 March | 2021 February |
|-------------------------------------|--------------------|--------------------|------------------|
| Combined (E&W) Days Cash-on-Hand | \$ 45.43 77 | \$ 50.82 84 | \$ 43.02 74 |

1 Day = Approximately \$550K-\$600K

**Dollars in millions

** Established Cash Reserve – Market – waiting to finalize SPP settlements

Balance Sheet: Notables

| | (CY) 2021 March | (PY) 2020 March |
|-------------------------------|--------------------|--------------------|
| Fuel Inventory | \$ 5.665 | \$ 6.312 |
| Bond Dollars 2016C (Elec T&D) | \$ 1.543 | \$ 8.153 |
| Bond Dollars 2020A (Elec) | \$ 8.200 | \$ - |

**Dollars in millions



Financial Results

Capital Spending

| | (CY) 2021 YTD | (PY) 2020 YTD | 2021 Budget | |
|--------------------------|------------------|------------------|-----------------|----------------------|
| Electric | \$ 2.23 | \$ 5.64 | \$ 38.94 | |
| Water | 1.01 | 1.67 | 12.34 | |
| Common | 0.61 | 0.50 | 5.91 | |
| Total YTD Capital | \$ 3.85 | \$ 7.81 | \$ 57.20 | Remaining 93% |

**Dollars in millions

Major projects in 2020:

- Underground Distribution - \$870K
- New Development - \$590K
- Nearman Cable Replacement - \$70K
- Water Leak, Valve, System Imp. - \$260K
- UG/CMIP Water Distribution - \$140K

*Receive \$590K in February from FEMA claim in Spring 2019 Storm Activity (credit applied to projects).

Debt Coverage

Debt Coverage with PILOT

| | (CY) 2021 March | (PY) 2020 March |
|----------|--------------------|--------------------|
| Electric | 2.14 | 2.00 |
| Water | 2.13 | 1.72 |
| Combined | 2.34 | 1.98 |

Debt Coverage w/o PILOT

| | (CY) 2021 March | (PY) 2020 March |
|----------|--------------------|--------------------|
| Electric | 1.54 | 1.41 |
| Water | 1.67 | 1.28 |
| Combined | 1.72 | 1.40 |

Financial Guideline Target 1.6 to 2.1 times with PILOT

UPDATE WATER DISTRIBUTION

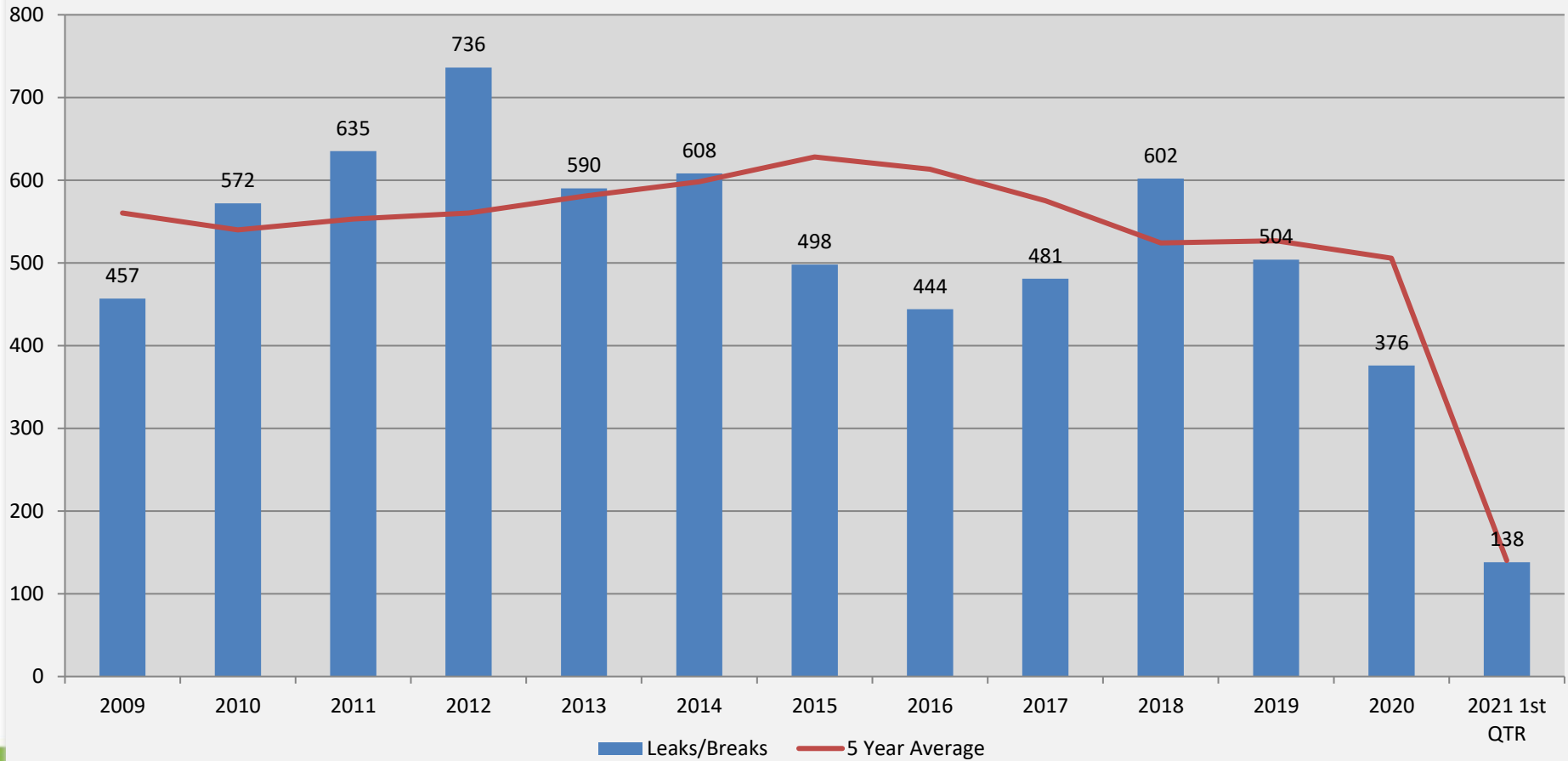
May 5th, 2021

Water Distribution Recap of 2020

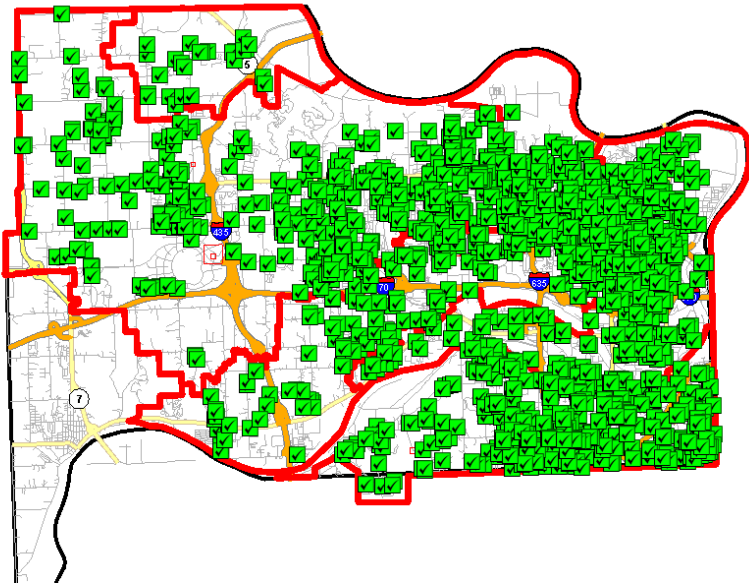
- 2020 Leaks
 - Main Leaks - 376
 - 26% below the 5 Year Avg.
 - 34% below the 10 Year Avg.
 - Valves Leaks - 34
 - Fire Hydrant Leaks - 59
 - Abandonment Leaks- 4
 - Service Leaks - 312

Water Main Leaks/Breaks

Main Leaks/Break Totals



Completed work orders



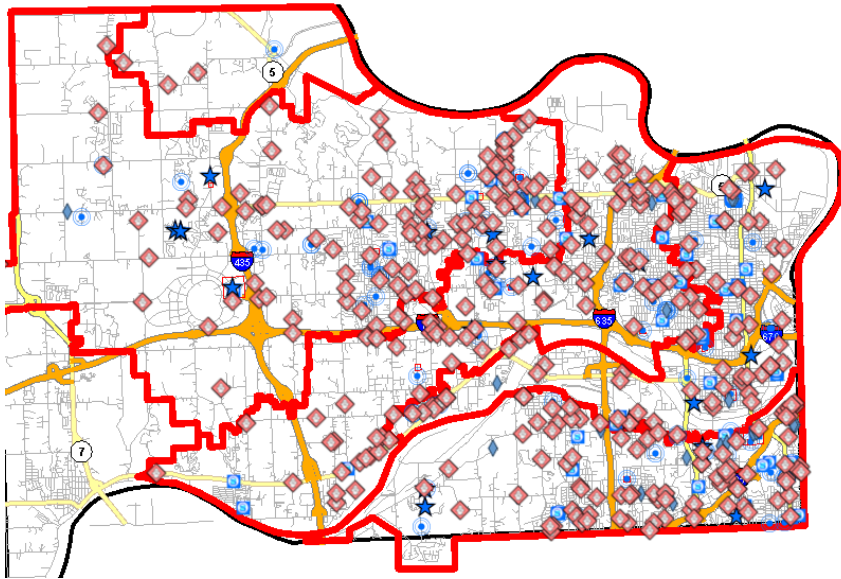
Number of workorders Completed

| | |
|------|-------|
| 2019 | 2,630 |
|------|-------|

| | |
|------|-------|
| 2020 | 2,838 |
|------|-------|

| | |
|------------------------------|-----|
| 2021 1 st Quarter | 863 |
|------------------------------|-----|

Open Work Orders



Work Orders

- Maintenance
 - Mains - 10
 - Service - 18
 - Valves - 31
 - Hydrants - 24
- Inspection
 - Hydrants - 314
- Construction
 - Projects - 50
 - Note - Projects may have multiple Work Orders

WORKORDER PRIORITIES

WATER WORK ORDERS PRIORITIES

PRIORITY 5

**EMERGENCY WORK ORDERS
WORK WITHIN 24 HOURS**

EXAMPLES:

WATER CAUSING DAMAGE, WATER PRESSURE BELOW 25 PSI. LEAKS CAUSING ICE MAKING UNSAFE CONDITIONS.

PRIORITY 4

**HIGH PRIORITY WORK ORDERS
WORK WITHIN 7 DAYS**

EXAMPLES:

WATER NOT CAUSING DAMAGE BUT SIGNIFICANT ENOUGH TO WORK WITHIN ONE WEEK. LOW PRESSURE BUT NOT BELOW 25 PSI & DISCOUNTS-FALL & WINTER. N.T.T.ON'S

PRIORITY 3

**HIGH PRIORITY WORK ORDERS
WORK WITHIN 30 DAYS**

EXAMPLES:

WATER LEAKS THAT ARE SAFE TO RUN UP TO 30 DAYS. DECREASE PRESSURE BUT NOT BELOW 45 PSI. HYDRANTS OUT OF SERVICE, BROKEN CLOSED VALVES & DISCOUNTS-SPRING, SUMMER & DELINQUENTS.

PRIORITY 2

**ENGINEERING WORK ORDERS
TIMETABLE TO BE DETERMINED**

EXAMPLES:

STREET IMPROVEMENTS, MAIN REPLACEMENT, WATER TAPS, CONNECTIONS, NEW MAIN INSTALLATION.

PRIORITY 1

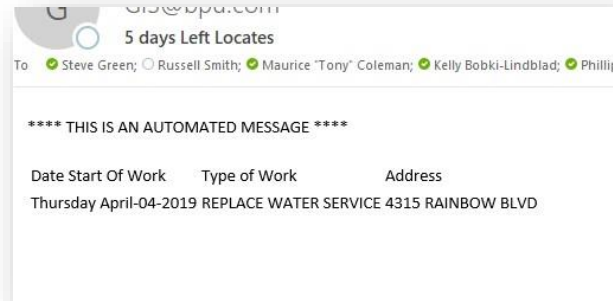
**LOW PRIORITY WORK ORDERS
WORK WITHIN 4 MONTHS**

EXAMPLES:

IMPROVEMENTS NEEDED BUT NO URGENCY. UPGRADING M/B, SERVICES, B/OFF'S, VALVES & HYDRANTS.

Workorder Communication

| | | | | | |
|---|---|----------------------|-------|--------------------------|--|
| GIS@bpu.com | Priority 3 Work Orders that are going to expire | Tue 5/4/2021 7:14 PM | 20 KB | <input type="checkbox"/> | |
| **** THIS IS AN AUTOMATED MESSAGE **** Please let everyone know if there are changes that need to be made. the following is a list of workorders that the date issued is about to expire. Priority 3 = 30 days Also please note if you are viewing this email... | | | | | |
| GIS@bpu.com | Priority 1 that are going to expire | Tue 5/4/2021 7:14 PM | 22 KB | <input type="checkbox"/> | |
| **** THIS IS AN AUTOMATED MESSAGE **** Please let everyone know if there are changes that need to be made. the following is a list of workorders that the date issued is about to expire. Priority 1 = 120 days Also please note if you are viewing this email... | | | | | |
| GIS@bpu.com | Ready to Work Workorders | Tue 5/4/2021 7:14 PM | 11 KB | <input type="checkbox"/> | |
| **** THIS IS AN AUTOMATED MESSAGE **** Location Nature of Work Description N 45TH ST & HASKELL AVE (NW CORNER) REPLACE VALVE REPLACE VALVE BIN # I-1836, VALVE HAS A PACKING LEAK & HARD TO OPERATE, LOCATED ON NW CORNER OF INTERSECTION, NE... | | | | | |
| GIS@bpu.com | 5 days Left Locates | Tue 5/4/2021 7:14 PM | 9 KB | <input type="checkbox"/> | |
| **** THIS IS AN AUTOMATED MESSAGE **** Date Start Of Work Type of Work Address Friday April-23-2021 ENGINEER PROJECT 2102 METROPOLITAN AVE <end> | | | | | |



**** THIS IS AN AUTOMATED MESSAGE ****
The following hydrants were inspected by the fire department.

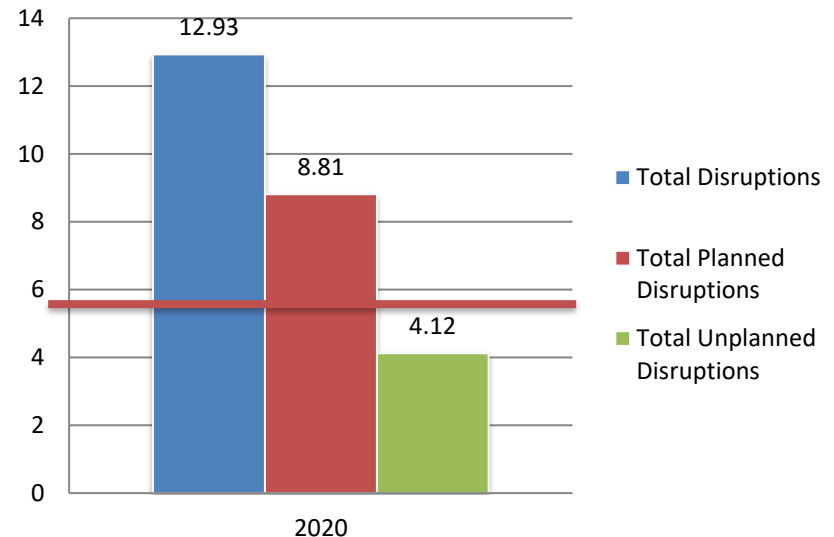
| Hydrant ID | Location | Problem |
|------------|------------------------------|---------------------|
| X03829 | SW 50TH DR & AUGUST LA | Unable to turn on |
| X02230 | FR 4412 DELAVAN AV | BrokenDefectivePlug |
| X04154 | ** 47TH ST & S OF TAUROMEE | BrokenDefectivePlug |
| X03482 | SW 36TH ST & LOCUST ST | BrokenDefectivePlug |
| X04837 | SW CORNER & KAW | BrokenDefectivePlug |
| X00784 | NW GARFIELD AV & GLENDALE AV | LeakingWater |
| X03874 | OP 5001 SWARTZ RD | Unable to turn on |
| X07115 | NW 16TH ST & BUNKER AV | Unable to turn on |

| Location | Nature of Work | Description |
|------------------------------|----------------------|---|
| 3547 N 85TH ST | REPAIR 6IN MAIN LEAK | 237' SOUTH OF THE SOUTH LINE OF 3547 N 85TH ROAD |
| 429 ARMSTRONG AVE | REPAIR SERVICE | CURB STOP SHEARED |
| 2744 S 18TH ST | REPLACE FIRE HYDRANT | REPLACE HYDRANT# X-4147-NEED TO ALSO INSTA WITH HYDRANT |
| N 11TH ST & EVERETT AVE | REPLACE FIRE HYDRANT | REPLACE HYDRANT#X-691 |
| S 33RD ST & METROPOLITAN AVE | ABANDON VALVE | PROJECT-ABANDON 2" VALVE# I11178 |

Water Distribution System Disruptions Per 1000 accounts By Duration

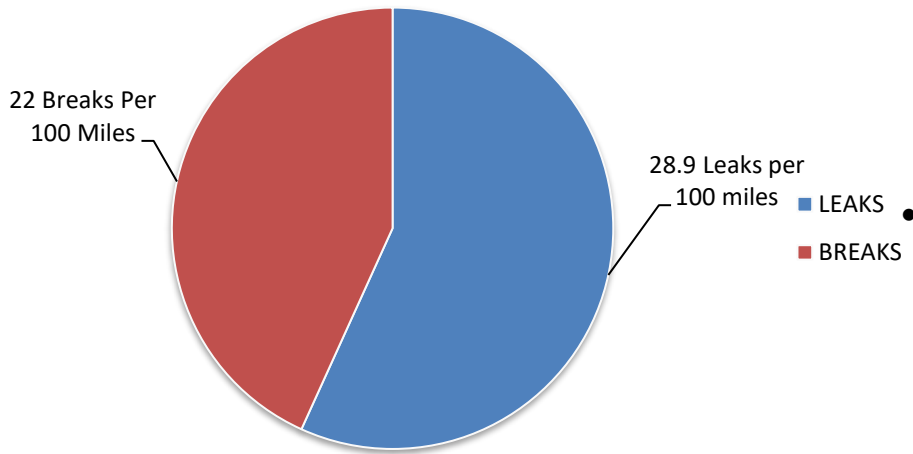
- Total Disruptions were 12.93 per 1000 accounts
- Planned disruptions were 8.81 per 1000 accounts
- Unplanned or Priority 5 were 4.12 disruptions per 1000 accounts.
- AWWA Goal is less than 5.76 disruptions per 1000 accounts.

**Water Distribution System
Disruptions per 1000 accounts**



Distribution System Integrity- Leaks & Breaks

Distribution System Integrity – Leaks & Breaks



Leak Vs Break

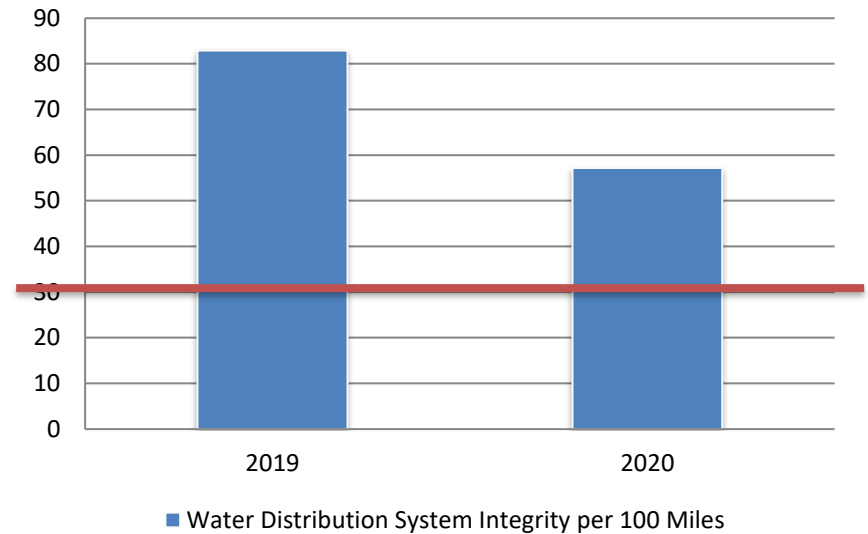
- A leak is an opening in a pipeline, valve, hydrant or service connection that is continuously losing water.

A break means physical damage to a pipe, valve, or hydrant that results in an abrupt loss of water typically Priority 5

Water Distribution System Integrity per 100 Miles

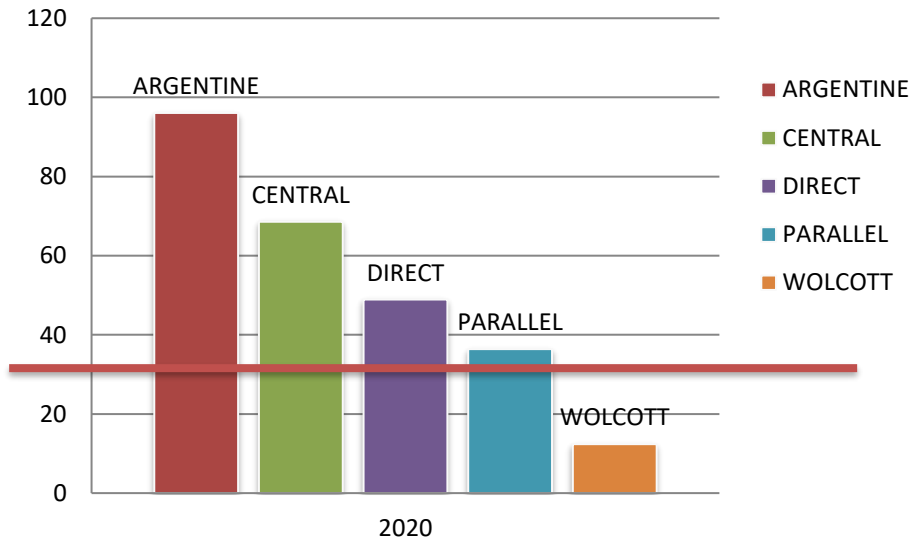
- System Integrity Metric includes mains, valves, hydrants and service connections
- AWWA Goal is to get to 30 per 100 miles

Distribution system Integrity per 100 miles



Distribution System Integrity by zone per 100 miles

Distribution System Integrity by zone per 100 miles



- BPU water system is divided into 5 pressure zones. The graph here shows the system integrity of each zone.
- The red line is the AWWA goal of 30 per 100 miles.

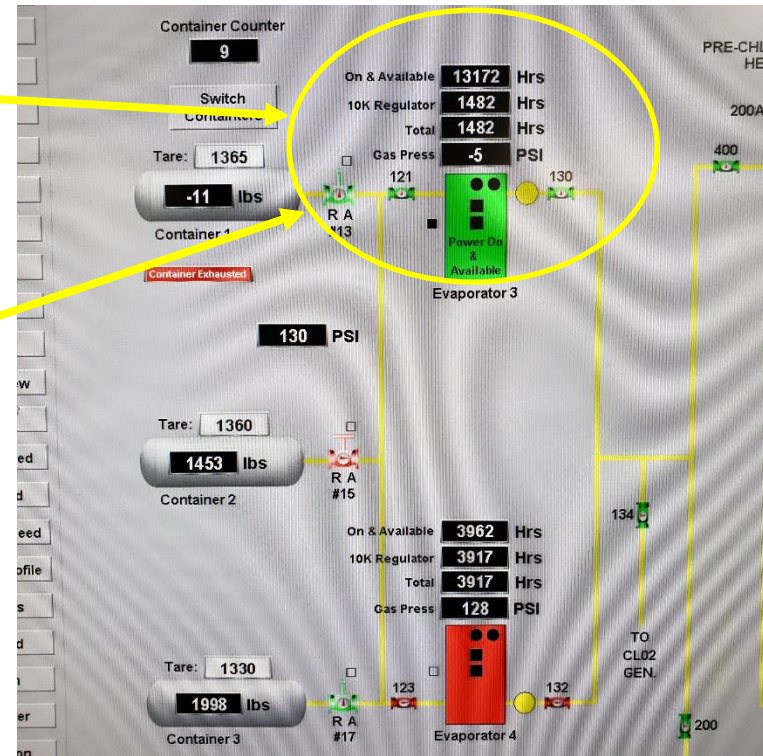
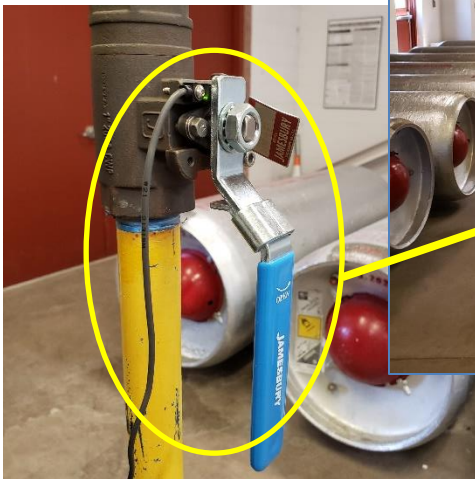
UPDATE WATER PRODUCTION

May 5th, 2021

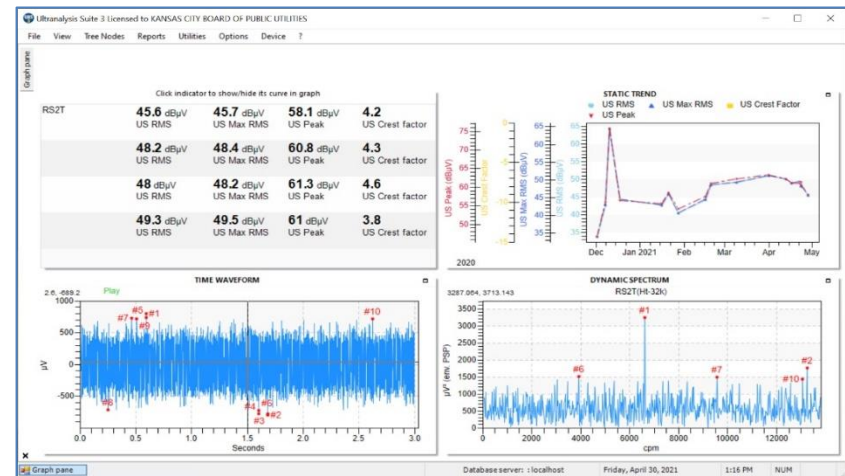
Instrumentation Improvements to Help Operators

Chlorine Gas Pressure Transmitter & Liquid Valve Position Sensor

- Enable Hours for Maximo PM Generation Work Orders
- Enable monitoring system performance and Safety



Ultrasound and Vibration Condition Monitoring of Plant & Distribution Assets



Installed Mixtec Rapid Mix Units



New Chlorine Residual and pH Instruments



Operator Logs now in Maximo

Operator Log (HSE) Paul Crocker

Find Shift Log

Find Navigation Item

Go To Applications

Available Queries

All Records

All Bookmarks

WPROC OP LOG

Common Actions

New Shift Log

Save Shift Log

Clear Changes

Change Status

Create Report

More Actions

View

Create

Template

Enter Meter Readings

Modify/Delete Log Entry

Attachment Library/Folders

Duplicate Shift Log

Delete Shift Log

Add to Bookmarks

Run Reports

List Shift Log Production Loss Related Records Specifications Shift Communications

Shift Log

OP LOG Nearman Water Operator Log

Status: ACTIVE Site: WPROC

Start Date: 1/1/00 12:00 AM

Finish Date: 12/31/50 12:00 AM

Status Date: 4/30/21 9:06 AM

Period:

Attachments

Details

Log Entry Shift Team

Log Entries

| Log Date | Created By | Log Type | Summary | Location | BPU Tag Number | Work Order |
|------------------|------------|--------------|--|----------|----------------|------------|
| 4/26/21 8:11 AM | PCROCKER | LOG - HCW | PM on SA-CMP-02 at HCW 2 today | SD_HCW2 | SA-CMP-02 | 284307 |
| 4/23/21 7:15 AM | PCROCKER | LOG - Miscel | Vibration Analysis with ATS ran on HS1, HS3 | | | 291314 |
| 4/21/21 1:50 PM | PCROCKER | LOG - Air Co | AWB202 Valve out of service for rebuild | | | 279273 |
| 4/21/21 1:49 PM | PCROCKER | LOG - Actflo | Ops started Actflo - Techs changed Turb Box | | | 291560 |
| 4/28/21 3:45 PM | PCROCKER | LOG - Actflo | Actflo test ran today | | | |
| 4/19/21 7:22 AM | PCROCKER | LOG - Miscel | Created Helpdesk ticket to address being un- | | | |
| 4/15/21 11:14 AM | SHOFFMAN | PUMP - Rota | Pump rotation | | | |
| 4/15/21 9:01 AM | SHOFFMAN | CHEM - POS | Correction to previous dose change unable to | | | |
| 4/15/21 8:54 AM | SHOFFMAN | CHEM - POS | due to change in NH3 | | | |
| 4/15/21 8:52 AM | SHOFFMAN | CHEM - POS | due to change in NH3 | | | |
| 4/15/21 8:45 AM | SHOFFMAN | LOG - Chemi | delivery of Cl2 emergency gas was tested 11 | | | |
| 4/30/21 1:55 PM | PCROCKER | LOG - Turbid | Installed Turbidimeters at Gibbs and 435 Tow | | | |

Details

Created By: PCROCKER

Log Date: 4/30/21 1:55 PM

Event Date:

Log Type: LOG - Turbidimeters

Dose:

Dose From:

Dose To:

Pump OFF:

Pump ON:

Reason:

Summary:

Installed Turbidimeters at Gibbs and 435 Towers

Location:

BPU Tag Number:

Asset:

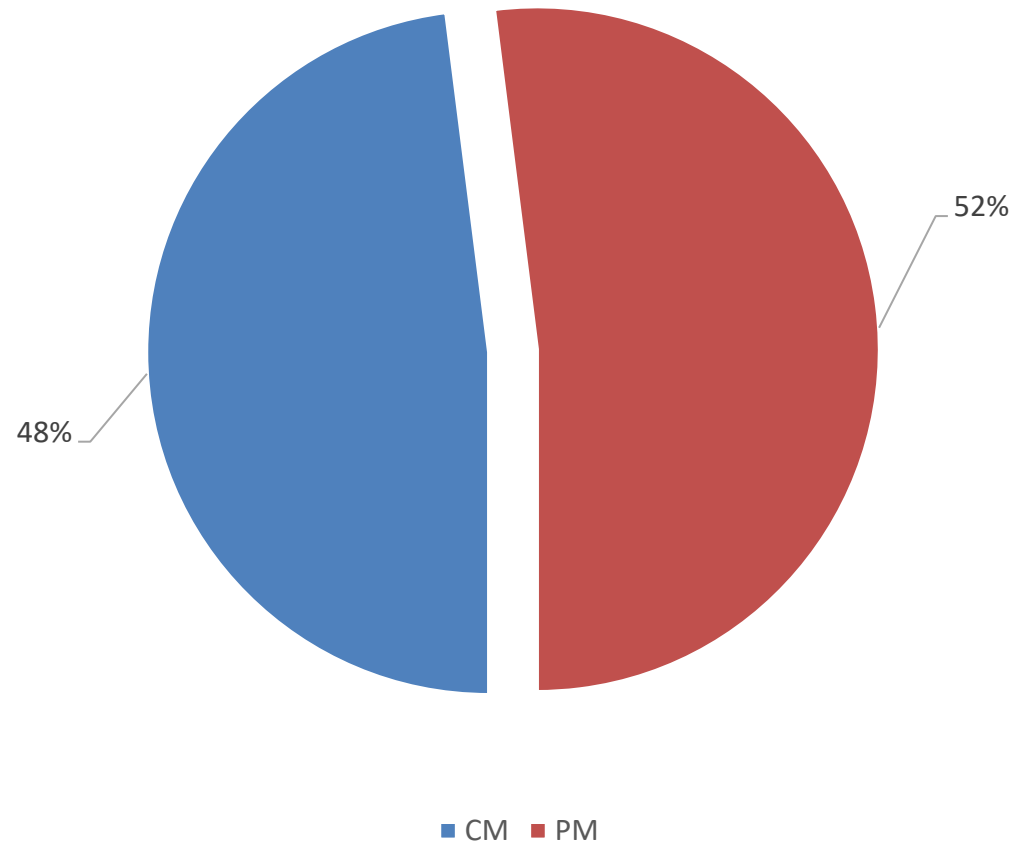
Work Order:

WO Status:

New Row

Water Processing Maintenance Hours %

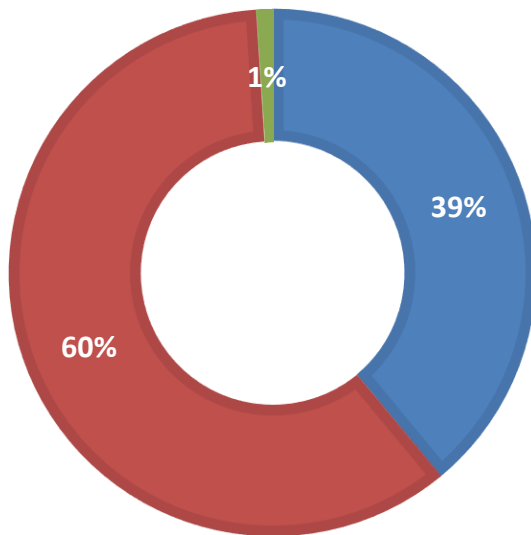
- This metric shows the percent of Time spent on Corrective Maintenance Versus Preventative Maintenance



Water Processing Completion Rate by Workorder Type

WATER PROCESSING COMPLETION RATE BY WORKORDER TYPE

■ Corrective Maintenance ■ Preventive Maintenance
■ Training



- This metric quantifies the percentage of workorders completed based on when the type of workorder.

- Lead and Copper
 - Required sampling every 3 Years (Last Monitored 2020)
 - BPU is required to sample (60) Lead and Copper designated sites
 - New Requirements coming 2024
 - Now required to test all Schools - (59) Total
 - Now required to test all Licensed Child Care Facilities - (175)
 - Required to test 20% over 5 year period
 - Additional (47) samples beginning next year. Total (107) next year

- 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, Environmental, Power Plant Roving Crew, Painters, Substation Crew, and lastly my staff.

Thank You

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