

# **BOARD INFORMATION PACKET**



**Board of Public Utilities  
Kansas City, Kansas**

**Regular Meeting of**

**December 1, 2021**



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## **December 1, 2021**

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Board of Public Utilities  
Kansas City, Kansas

**BOARD AGENDA**

Regular Session  
December 1, 2021 – 6:00 P.M.

- I. Call to Order
- II. Roll Call
  - \_\_\_\_ Ryan Eidson, At Large, Position 2
  - \_\_\_\_ Tom Groneman, District 2
  - \_\_\_\_ Robert L. Milan, Sr., District 1
  - \_\_\_\_ Jeff Bryant, District 3
  - \_\_\_\_ Mary L. Gonzales, At Large, Position 1
  - \_\_\_\_ Rose Mulvany Henry, At Large, Position 3
- III. Approval of Agenda
- IV. Approval of the Minutes of the Work Session of November 17, 2021
- V. Approval of the Minutes of the Regular Session of November 17, 2021
- VI. Public Comments
- VII. General Manager / Staff Reports
  - i. October 2021 Financials
  - ii. Utility Analytics & Reporting
  - iii. Miscellaneous Comments
- VIII. Board Comments
- IX. Adjourn

**Approval of Minutes**  
**Work Session 11-17-21**  
Agenda Item #IV

## WORK SESSION MINUTES – WEDNESDAY, NOVEMBER 17, 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 Work Session on Wednesday, November 17, 2021 at 5:00 P.M. The following Board Members were on the teleconference: Robert L. Milan, President; Mary Gonzales, Vice President; Rose Mulvany Henry, Secretary; Thomas Groneman Jeff Bryant, and Ryan Eidson.

Also on teleconference: William Johnson, General Manager; Wendy Green, Senior Counsel; Lori Austin, Chief Financial Officer/Chief Administrative Officer; Johnetta Hinson, Executive Director Customer Service; Jeremy Ash, Executive Director Electric Operations; Jerry Ohmes, Executive Director Electric Supply; Steve Green, Executive Director Water Operations; David Mehlhaff, Chief Communications Officer; Jerry Sullivan, Chief Information Officer; Randy Otting, Director Accounting; Tung Nguyen, Director Engineer Production; Jody Franchett, Director Administrative Services; Robert Kamp, IT Project Manager; Dennis Dumovich, Director Human Resources; Patrice Townsend, Director Utility Services; and Phillip Brown, Senior Civil Engineer.

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

Mr. Milan called the meeting to order at 5:00 P.M.

Roll call was taken, all Board members were present.

### **Item #3 – Approval of Agenda**

A motion was made to approve the Agenda by Ms. Gonzales, seconded by Mr. Bryant and unanimously carried.

### **Item #4 – Board Updates / GM Updates**

Mr. Eidson inquired about the policy regarding alcohol consumption during working hours, and also wanted to know if the policy was the same for bargaining as well as non-bargaining employees.

Mr. Johnson said he would have Human Resources send out the information on the policy to the board.

Mr. Groneman stated that there was nothing significant to the utility in the Public Works and Safety Standing Committee meeting.

## WORK SESSION MINUTES – WEDNESDAY, NOVEMBER 17, 2021

STATE OF KANSAS        )  
                                      ) SS  
CITY OF KANSAS CITY    )

Mr. Bryant said that the Unified Government's (UG) Finance Committee meeting was information around the UG Budget, nothing which applied to BPU.

Ms. Gonzales attended a SPARK committee meeting which dealt with the federal funding of COVID money and how it would be spent, at the KCKCC Tech Center. There were no presentations given by the UG or BPU but submissions would be accepted until the spring.

Ms. Mulvany said that the Economic Development Committee had not met yet, so she had no update.

Mr. Milan said that that he had been asked to work with the incoming Mayor's transition team.

Mr. Johnson said that he had been in contact with our US Representative and Senators about Federal Funding Infrastructure dollars. He stated that he'd had brief discussions with the UG on some common interests. They also had a list of things that they were going to request through our lobbying efforts to bring dollars back to BPU. He wanted to find a way to earmark these monies towards grants as opposed to low interest loans.

### **Item #5 – 2022 Budget Workshop – Capital Improvement Plans**

Mr. Randy Otting, Director Accounting, along with Mr. Steve Green, Executive Director Water Operations, Mr. Jeremy Ash, Executive Director Electric Operations, Mr. Tung Nguyen, Director Engineer Production, Mr. Jerry Sullivan, Chief Information Officer, Ms. Jody Franchett, Director Administrative Services, and Mr. Dennis Dumovich, Director Human Resources, presented their initial proposals for Capital Improvement Plans for 2022 to the Board. Each representative outlined projects they were going to focus on, as well as preliminary dollar amounts for the upcoming year. (See the attached PowerPoint presentation.)

Mr. Green answered questions from the Board.

**WORK SESSION MINUTES – WEDNESDAY, NOVEMBER 17, 2021**

STATE OF KANSAS       )  
  ) SS  
CITY OF KANSAS CITY )

**Item #6 – Adjourn**

A motion was made to adjourn the Work Session at 6:01 P.M. by Mr. Bryant, seconded by Mr. Eidson and carried unanimously.

ATTEST:

\_\_\_\_\_  
Secretary

APPROVED:

\_\_\_\_\_  
President



# 2022 CAPITAL



NOVEMBER 17, 2021

## CRITERIA FOR BUDGET

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### Budget Goals

1. Improve Customer Service
2. Improve Operational Efficiency
3. Improve System Reliability
4. Reduce Costs

## 2022 WATER CAPITAL

### Water Work Equipment – \$ 410,000

- Trouble Truck (Water Dist.)
- Water Tools (Water Dist.)
- Water Work Equipment – Hydrant Truck
- Radios



## 2022 WATER CAPITAL

### Water Transmission & Storage - \$ 11,422,052

Major Projects:

Transmission Main 98th & Parallel (KDHE)	\$ 1,301,880
Argentine 7 MG (KDHE)	\$ 6,000,000
Water Pump Station Controls (KDHE)	\$ 900,000
Water Trans Valve Improve	\$ 75,000
Water Transmission Improvement	\$ 112,000
Kansas River Crossing (KDHE)	\$ 3,005,372

## 2022 WATER CAPITAL

### Water Distribution - \$ 7,553,080

Major Projects:

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Non Revenue Water Leak Detection	\$ 150,000
UG/CMIP Water Dist. Projects	\$ 1,002,927
Water Dist. Leak Project (KDHE)	\$ 3,204,167
Water Dist. System Improvements	\$ 1,549,632
Water Dist. System Relocations	\$ 272,870
Water Dist. Valve Improvements	\$ 601,901
Water Fire Hydrant Program	\$ 471,584

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## 2022 WATER CAPITAL

### Other Water Capital Projects - \$ 2,531,388

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Water Technology	\$ 45,000
Water Meters	\$ 334,138
Water Services	\$ 791,045
Water Facility	\$ 505,505
Furnish & Equip	\$ 161,000
Water Grounds	\$ 89,700
Water Production Projects – KDHE (\$550K NWTP PUMP)	\$ 605,000

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## 2022 WATER CAPITAL

### Sources of Funding - Water

Cash	\$7,322,616
KDHE Loan	\$14,961,350
<b>Total</b>	<b>\$ 22,283,966</b>

## 2022 ELECTRIC OPERATIONS

### Electric Transmission - \$ 1,350,000

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69kV Mill Street - Kaw Backup Circuit	\$	500,000
Misc. Transmission Projects	\$	250,000
EO Barber to Terrace Trans Line	\$	250,000
EO Maywood Feeder Rebuild - Woodlands	\$	250,000
Transmission Line FO Additions	\$	100,000

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## 2022 ELECTRIC OPERATIONS

### Electric Substations - \$ 465,000

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Relays	\$150,000
General Improvements & Security	\$ 250,000
Miscellaneous Projects	\$ 65,000

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## 2022 ELECTRIC OPERATIONS

### Electric Distribution - \$12,851,000

Major Projects:

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Annual OH Construction	\$ 2,000,000
Piper OH Feeders - Urban Outfitters	\$ 4,400,000
Fisher OH & UG Feeders	\$ 1,000,000
Annual UG Construction	\$ 2,000,000
Distribution Pole Inspection & Replacement	\$ 2,500,000

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## 2022 ELECTRIC OPERATIONS

### Electric General Const. - \$ 2,240,000

Major Projects:

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Automobiles	\$ 100,000
Work Equipment	\$ 500,000
Electric Tools	\$ 100,000
Electric Facilities	\$ 300,000
Electric Meters	\$ 1,000,000
Electric Technology	\$ 100,000
IVR & Outage Management	\$ 100,000

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## 2022 ELECTRIC OPERATIONS

### Sources of Funding - Electric Operations

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Cash	\$ 17,257,000
2016C Bond Issue	\$ 700,000
2020A Bond Issue	\$ 1,000,000
<b>Total</b>	<b>\$ 19,617,000</b>

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## 2022 ELECTRIC PRODUCTION

### Nearman Power Station – \$ 5,100,000

Major projects:

Coal Nozzles and Heads Replacement	\$	1,700,000
MCC/Load Center Replace	\$	675,000
SCR Catalyst Layer	\$	650,000
BOP PLC to DCS Upgrade	\$	400,000
Crusher/Dryer Replacement	\$	382,000
Volt Reg Conversion	\$	310,000
Expansion Joint Replacement	\$	218,000
SCR Doors	\$	200,000
Drum Heater Inst Upgrade	\$	155,000
Startup Transformer Rebuild	\$	150,000



## 2022 ELECTRIC PRODUCTION

### Nearman Common - \$ 2,175,000

NC Coal Conveyor Belt Replacement	\$ 75,000
NC Fire Protection System Upgrade	\$ 2,100,000



## 2022 ELECTRIC PRODUCTION

### Other Electric Production Capital - \$ 1,198,000

- QC Levee Improvement (COE) \$ 300,000
- Dogwood Capital Projects \$ 808,000
- CT4 Hydraulic Oil/Lube Oil Varnish Removal \$ 40,000
- CT2 RTU to Schweitzer Upgrade \$ 50,000

## 2022 ELECTRIC PRODUCTION

### Sources of Funding – Electric Production

**Total Cash    \$8,473,000**



## 2022 TECHNOLOGY

### Enterprise Technology - \$4,575,000

<b>Application Services:</b>	<b>\$ 1,740,000</b>
Business Intelligence	\$ 420,000
Customer Applications	\$ 750,000
Utility Operations	\$ 570,000
<b>Enterprise Resource and Integration Bus:</b>	<b>\$ 1,500,000</b>
Enterprise Improvements	\$ 1,270,000
Integration	\$ 230,000

## 2022 TECHNOLOGY

### Enterprise Technology

<b>Network and Services:</b>	<b>\$ 640,000</b>
Infrastructure	\$ 295,000
Security	\$ 345,000
 <b>Project Management:</b>	
Quality Assurance Delivery	\$ 90,000
 <b>Desktop Support:</b>	
Infrastructure	\$ 605,000

## 2022 TECHNOLOGY

### Sources of Funding – Enterprise Technology

**Total Cash    \$4,575,000**



## 2022 ELECTRIC SUPPLY

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### Electric Supply Capital - \$0

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No Proposed Capital for 2022

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## 2022 COMMON CAPITAL

**Common - \$ 1,970,800**

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### **Administrative Services & HR Security Improvements**

Security Improvements	\$	325,000
Facilities	\$	110,000
Furniture & Equipment & Grounds	\$	305,000

### **Administrative Services Technology**

Technology – Admin. Services	\$	505,800
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<b>Total Cash</b>	<b>\$</b>	<b>1,245,800</b>
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### **Other:**

Annual Heat Pump	\$	225,000
Economic Development	\$	500,000

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## 2022 TOTAL CAPITAL

### 2022 Capital (Proposed)

Water	\$ 22,283,966
Electric Operations	\$ 19,617,000
Electric Production	\$ 8,473,000
Electric Supply	\$ 0
Technology	\$ 4,575,000
Common & Other	\$ 1,970,800
<b>Total</b>	<b>\$ 56,919,766</b>



## 2022 TOTAL CAPITAL

### BPU Sources of Funding (Proposed)

Cash	\$ 39,598,416
KDHE Loan	\$ 14,961,350
2020A Bond Issue	\$ 1,000,000
2016C Bond Issue	\$ 700,000
<b>Total</b>	<b>\$ 56,919,766</b>

**Approval of Minutes**  
**Regular Session 11-17-21**  
Agenda Item #V



## REGULAR SESSION –WEDNESDAY, NOVEMBER 17, 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, November 17, 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; Jeff Bryant, Thomas Groneman, and Ryan Eidson.

Also on teleconference: William Johnson, General Manager; Wendy Green, Senior Counsel; Lori Austin, Chief Financial Officer/Chief Administrative Officer; Johnetta Hinson, Executive Director Customer Service; Jeremy Ash, Executive Director Electric Operations; Jerry Ohmes, Executive Director Electric Supply; Steve Green, Executive Director Water Operations; David Mehlhaff, Chief Communications Officer; Jerry Sullivan, Chief Information Officer; Randy Otting, Director Accounting; Tung Nguyen, Director Engineer Production; Jody Franchett, Director Administrative Services; Robert Kamp, IT Project Manager; Dennis Dumovich, Director Human Resources; Patrice Townsend, Director Utility Services; and Phillip Brown, Senior Civil Engineer.

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

Mr. Milan called the Board Meeting to order at 6:01 P.M. He welcomed all that were listening to or viewing the meeting. He stated that the Board felt it was necessary to offer the use of 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.

### **Item #3 – Approval of Agenda**

A motion was made to approve the Agenda by Mr. Bryant, seconded by Mr. Eidson, and unanimously carried.

### **Item #4 – Approval of Special Session Minutes of October 28, 2021**

A motion was made to approve the minutes of the Special Session of October 28, 2021 by Ms. Gonzales, seconded by Ms. Mulvany Henry, and unanimously carried.

**REGULAR SESSION –WEDNESDAY, NOVEMBER 17, 2021**

STATE OF KANSAS       )  
  ) SS  
CITY OF KANSAS CITY)

**Item #5 – Approval of Work Session Minutes of November 3, 2021**

A motion was made to approve the minutes of the Work Session of November 3, 2021 by Mr. Eidson, seconded by Mr. Groneman, and unanimously carried.

**Item #6 – Approval of Regular Session Minutes of November 3, 2021**

A motion was made to approve the minutes of the Regular Session of November 3, 2021 by Ms. Gonzales, seconded by Mr. Bryant, and unanimously carried.

**Item #7– Public Comments**

Ms. Louise Lynch, 737 Miami Ave., asked for clarification on items from the Work Session in regards to what Urban Outfitters was receiving from the utility, and expressed her concerns. She also inquired about concessions and asked for enlightenment.

Mr. Johnson explained that it was the utility’s practice to support economic development in Kansas City, Kansas and that Urban Outfitters was no different. He explained how existing infrastructure was looked at to make sure it could support loads being introduced and making sure it was available for backup purposes to prevent infrastructure failure.

Mr. Johnson also said BPU was not giving concessions and that Urban Outfitters would be on a normal rate based on their load.

**Item #8 – General Manager / Staff Reports**

- i. *Potential BPU Wellness Program:* Dennis Dumovich, Director Human Resources, gave a presentation to the Board about potential wellness and wellbeing programs that would benefit the employees of BPU. (See attached)

Mr. Dumovich answered questions from the Board.

- ii. *KCKCC Economic Development Fund Approval:* Mr. Johnson spoke about the process to date and there was further discussion regarding what depth of electric would be used for the project.

A motion was made to approve the request for \$250K for the KCKCC Economic Development Fund based on the fulfillment of the requirements within the BPU

**REGULAR SESSION –WEDNESDAY, NOVEMBER 17, 2021**

STATE OF KANSAS        )  
  ) SS  
CITY OF KANSAS CITY )

Economic Development Fund policy, by Mr. Milan, seconded by Mr. Bryant, and carried unanimously.

Ms. Patrice Townsend, Director Utility Services, gave an update on future Economic Development Fund requests.

Mr. Johnson answered questions from the Board.

- iii. *Water Operations Quarterly Report:* Mr. Steve Green, Executive Director Water Operations and Mr. Phillip Brown, Senior Civil Engineer gave a Water Operations Update, discussing the details of a benchmarking study conducted by the American Water Works Association (AWWA). Mr. Brown was put in charge of this project and he outlined the course that was undertaken. He also provided an update of the rehabilitation of the Oakland Elevated Tank, located at 40<sup>th</sup> Street and Oakland Avenue.

Mr. Green and Mr. Brown addressed questions and comments from the Board.

- iv. *Miscellaneous Comments:* Mr. Johnson spoke about the upcoming Budget meeting. He also wished Mr. Groneman the best on his upcoming birthday.

**Item #9 – Board Comments**

Mr. Eidson wished Mr. Groneman a Happy Birthday. He also thanked the Water Department for their presentation. He also asked Mr. Johnson to provide the Board a report of the free services that BPU gave the UG specific to what type of structure it was. His concern was that a for profit business in a UG building could be receiving free services.

Mr. Johnson said that he had discussed this with the UG.

Mr. Jeremy Ash, Executive Director Electric Operations, gave an update on a project underway to split service that a for profit business was using in a community center.

Ms. Mulvany Henry provided information from August 2020 and expressed her concern that it had been over a year.

Mr. Johnson would request that information from the UG and asked Mr. Eidson to provide any information he could.

**REGULAR SESSION –WEDNESDAY, NOVEMBER 17, 2021**

STATE OF KANSAS        )  
  ) SS  
CITY OF KANSAS CITY)

Mr. Groneman thanked the presenters for the information given. He appreciated hearing the candid information provided by the benchmarking study.

Mr. Bryant thanked staff for the good reports. He commented on the earlier discussion about Economic Development projects, that just because a project has the name of one association to the development, the infrastructure put in place was to boost the entire system for subsequent growth. He also requested staff to look into how the Board could return to meeting in person.

Ms. Gonzales wished Mr. Groneman a Happy Birthday. She thanked Mr. Dumovich for his presentation. Wellness and wellbeing was more important than ever. She thanked Capital Project presenters on their project information. She thanked Mr. Brown for the detail and the explanations given during his presentation.

Ms. Mulvany Henry also wished Mr. Groneman a Happy Birthday. She also echoed the other comments about the presentations of the evening. She appreciated those who participated in the Capital Projects update. It was helpful to have that information going into upcoming budget discussions. She thanked Mr. Green and Mr. Brown for going to such depths on the benchmarking study. She thanked Mr. Bryant on his comments about Economic Development. She also thanked Mr. Dumovich on the Wellness presentation.

Mr. Milan wished Mr. Groneman a Happy Birthday and echoed all of the comments made about the evening's presentations as well as the comments about meeting in person. He said he was hopeful for upcoming travel so that the Board could learn more by attending the AWWA and APPA conference. He mentioned the need for a Cost of Service study. It had been nine years since there had been an increase in the water rates. He also commented on the UG determining what facilities would receive free utility service.

**Item #10 – Adjourn**

A motion was made to adjourn the Regular Session at 7:51 P.M. by Mr. Bryant, seconded by Ms. Gonzales, and unanimously carried.

ATTEST:

APPROVED:

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
President

# Wellness Initiatives

2022



# Wellness to Wellbeing

## Wellness Programs

*Focus solely on physical wellbeing*

- Examples:
- Biometric screenings
- Health risk assessments
- Physical activity challenges
- Nutrition classes
- Weight loss programs

## Wellbeing Programs

*Address the whole person*

- Purpose: liking what you do each day and being motivated to achieve your goals
- Social: having supportive relationships and love in your life
- Financial: managing your economic life to reduce stress and increase security
- Community: liking where you live, feeling safe, and having pride in your community
- Physical: having good health and enough energy to get things done daily

# Health and Wellness Strategies

- Assessment of Claims
- Develop and Strategize to Maximize Areas of Opportunity
- Introduce Appropriate Wellness Initiatives
  - Introduce and Incent Biometric Screenings & Health Risk Assessments
  - Partner with BC/BS on Wellness Offerings
    - chronic conditions (diabetes mgmt., cancer, opioids, behavioral, etc.)
  - Improved Gym Facilities
  - Weight Watchers Discounts
  - Smoking Cessation
  - Exercise Programs/Trackers/Contests
- Key to Success is Communication & Employee Engagement
- Reward Will Be Lower Claims and Improved Employee Engagement



# Wellbeing Observation & Recommendations

## **OBSERVATIONS**

- BCBS does have available a Wellness platform 'A Healthier You', however it is not an option currently included in the BPU Administrative Services.
- Wellness, Wellbeing and Employee Engagement go above and beyond the medical plan.
- A new focus will be placed on wellness initiatives in 2022 with a plan to move to wellbeing soon thereafter.

## **RECOMMENDATIONS**

- Re-engage the BPU health committee to develop health and wellness initiatives for 2022.
- Develop a strategy for wellness & wellbeing beginning in 2022 with a benchmark through health claims, biometric screening and health risk assessments.
- Engage a wellness expert to conduct screenings and develop programs thru BC/BS and other appropriate BPU programs and oversee the strategic plan.



# Water Operations Update: AWWA Benchmarking Rehab of Oakland Elevated Tank

Nov. 17<sup>th</sup>, 2021

# AWWA Benchmarking

- KPI is used to Measure Performance in Key Areas
- A Benchmark is used to compare performance to other Utilities
- Track and Improve your Performance based on your KPI





- **Timeline**

- Kickoff Jan. 2021
- Individual Department Meetings and Data Gathering Feb - March
- April 1<sup>st</sup> Initial Dataset required
- May 3<sup>rd</sup> Final submittal
- June - Sept AWWA QA/QC
- Oct. Final Reports Available



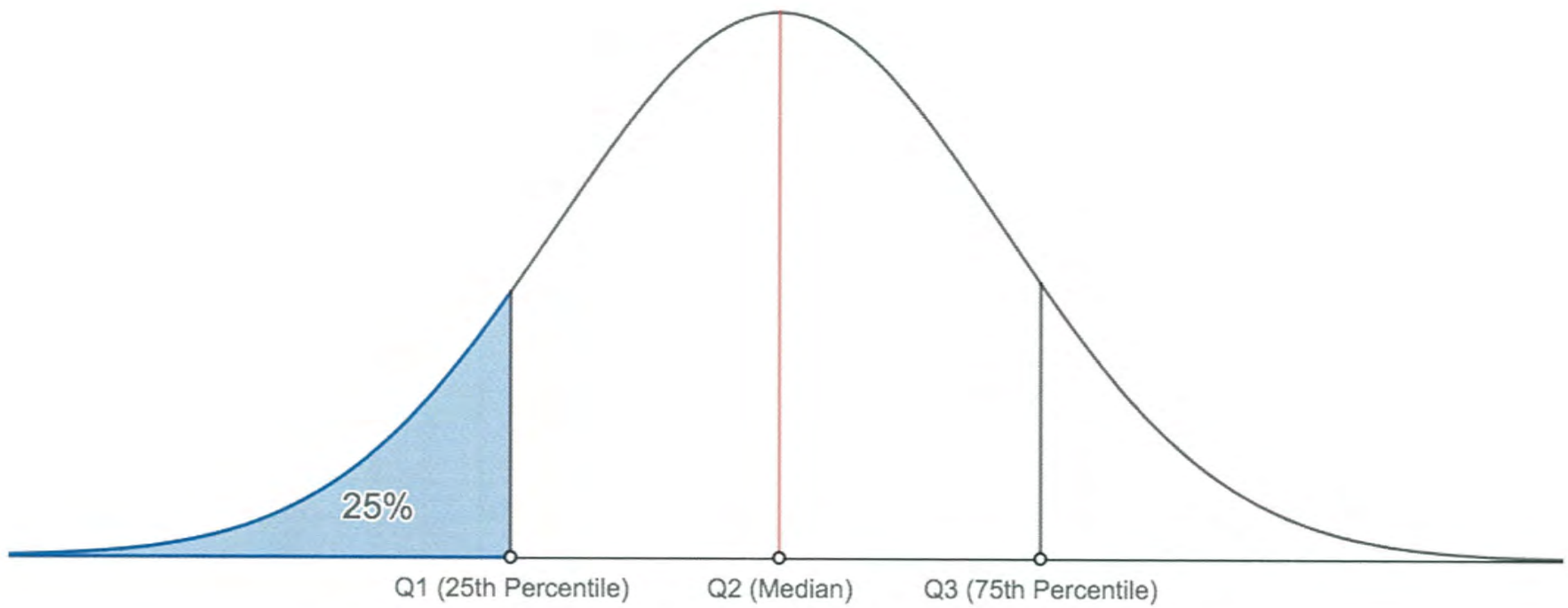
## Goals for Good Kpi

- Specific
- Measurable
- Accurate
- Relevant
- Practical
- Understandable

## Problems/Issues

- Grey Areas
- Definitions used for data
- How to measure
- How to report information
- Is it relevant
- Are the systems in place to verify quality of data

# What is a Percentile?





## Business Operation & Organizational Development

	BPU	75 <sup>TH</sup> PERCENTILE	Median	25 <sup>th</sup> Percentile	Count
Customer Accounts Per Employee	335	546	418	333	44
Employee Turnover Rate	3.2%	5.3%	6.9%	9.6%	41
Debt Ratio To Revenue	40%	23%	35%	46%	45
Debt Service Coverage Ratio	2.16	3.35	2.5	1.85	41
Operating Ratio (O&M/Revenue)	50%	47%	52%	65%	42
System Renewal/replacement rate of Pipe Network	0.7%	2.0%	1.1%	0.7%	36

## Metrics Important to Customers

	BPU	75 <sup>TH</sup> PERCENTILE	Median	25 <sup>th</sup> Percentile	Count
Technical Service Complaints	2.6	1.2	3	7.4	32
Average Time to address unplanned disruptions (Hours)	13.38	2.9	9.2	21.2	32

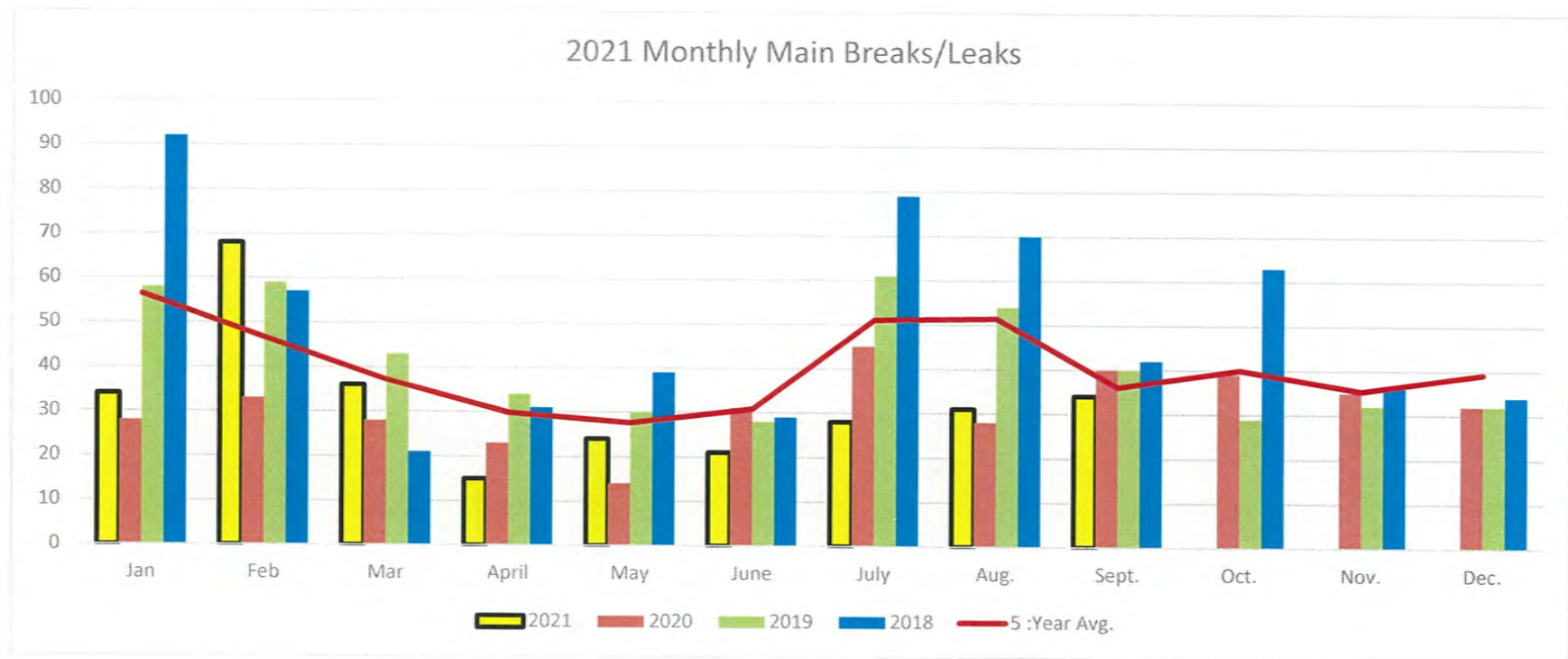


## Metrics Important to NWTP

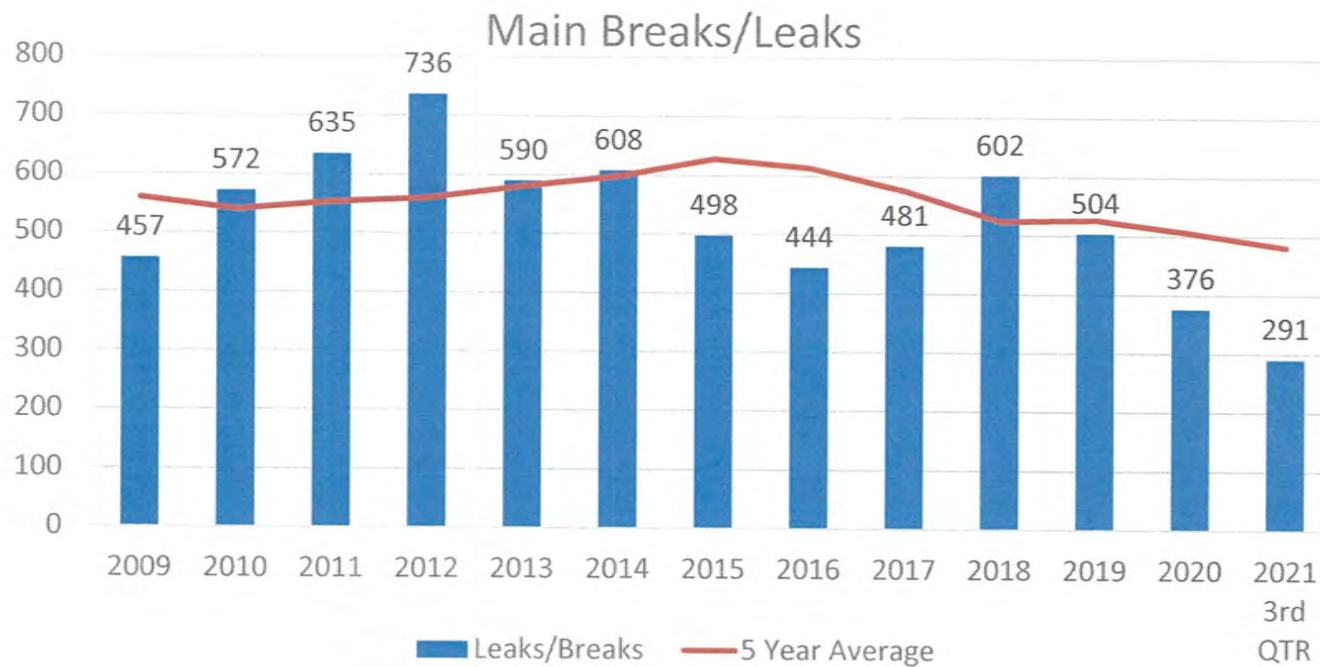
	BPU	75 <sup>TH</sup> PERCENTILE	Median	25 <sup>th</sup> Percentile	Count
Regulatory Compliance	100%	100%	99.7%	99.7%	45
Available Water Supply (years)	66	66	51	28	25



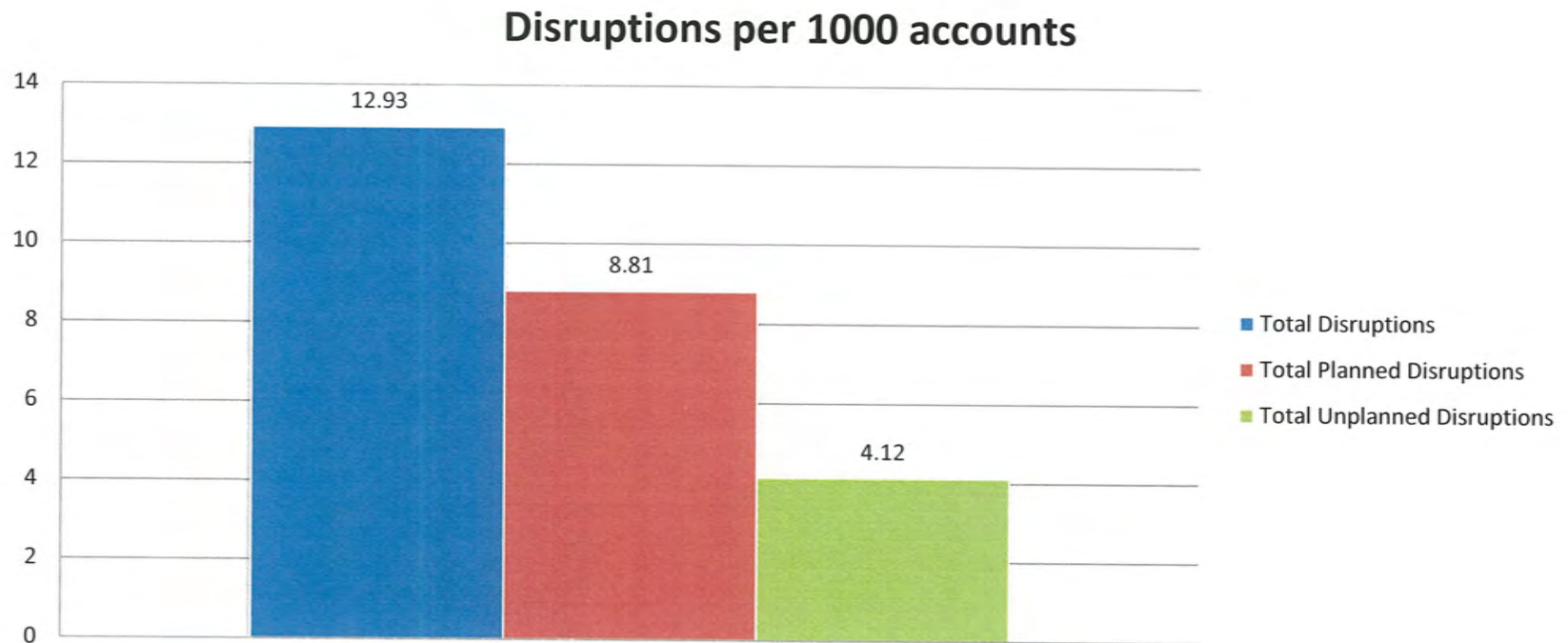
# Monthly Main Breaks/Leaks



## Yearly Main Breaks/Leaks



# Disruptions per 1000 accounts





## Leaks and Breaks

	BPU	75 <sup>TH</sup> PERCENTILE	Median	25 <sup>th</sup> Percentile	Count
Water Distribution System Integrity Total (Breaks & Leaks Per 100 Miles)	50.8	4.7	13.4	21.3	40
Total O&M Cost per account	\$514	\$294	\$421	\$540	37
Total O&M Cost per MG	\$2,541	\$1,779	\$2,569	\$3,402	42
Infrastructure Leakage Index (ILI)	5.82	1.10	1.50	2.49	21
Disruption of Water Services Frequency Index	12.93	1.5	3.15	5.71	38

## Lesson Learned

- Definitions
- Data Collection - will improve over time
- System of Record
- Thanks - Very thankful for all of the assistance from the various departments.

# Rehab of Oakland Elevated Tank

- Constructed 1999
- 1 Million Gallon Capacity
- Location - 40<sup>th</sup> St. & Oakland Ave.
- Central Pressure Zone
- Cleaned and Inspected Nov. 2019
- Paint Deterioration and some corrosion pits
- Rehabilitation started Sept. 2021
- Estimated Finish Dec. 2021
- Cost \$250k

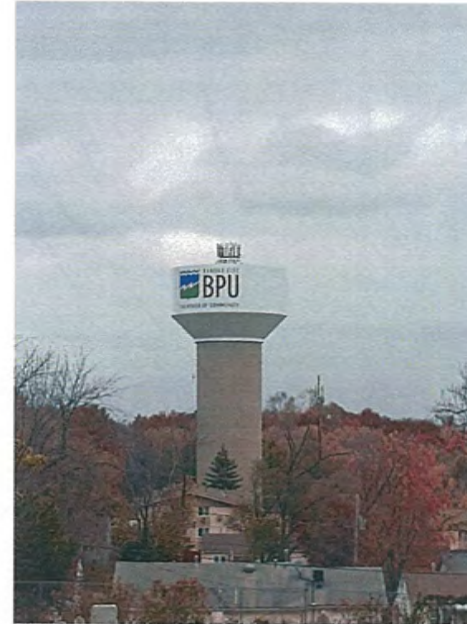




# Rehab of Oakland Elevated Tank



# Rehab of Oakland Elevated Tank





# Questions?



# AWWA UTILITY BENCHMARKING

**Benchmarking Performance Indicators for**

**WATER Utilities**  
**2021 (FY20) Data Set**

**-- Final --**  
**Participant Report**

**Kansas City Board of Public Utilities**

American Water Works Association  
Utility Benchmarking Program  
© Copyright 2021, American Water Works Association

## **Introduction**

The goal of the American Water Works Association (AWWA) Utility Benchmarking Program is to provide objective performance measures for decision-makers responsible for management of utilities providing potable water (referred to in this manuscript as simply water) and/or wastewater services. Performance measurement is an essential management tool to help decision-makers set a course to improve their organizations. Managers and public officials need useful metrics to gauge current performance and set reasonable targets for the future. AWWA's Utility Benchmarking Program tracks these widely accepted utility performance indicators developed and applied by water industry professionals. This information is made available to participants as a tool for improving operational efficiency and managerial effectiveness regardless of size or system specific issues.

The following Participant Report for **Water Utilities**, displays calculated quartile rankings from all utility's responses for the same service type as your utility (i.e., responses for all utilities that provide water services regardless of size or geographic region are summarized in this report. Expanded results (i.e., breakout of data results by utility's region and utility population served) and detailed data analysis including historical trends will be made available in the publication "2021 AWWA Utility Benchmarking: Performance Management for Water and Wastewater".

## **Methodology**

AWWA conducted this annual Utility Benchmarking Survey starting in January 2021, continued to solicit participation through end of March 2021, and concluded with the review period extended through July, 2021. The AWWA Benchmarking Survey was administered through an on-line platform allowing utility participants to submit utility specific information corresponding to the complete 12-month financial period used at the participating utility (i.e., fiscal year, calendar year, or as otherwise designated by submitting organization).

Utility participants are grouped by core service type defined as follows:

- 1) Water utilities – do not provide wastewater services.
- 2) Wastewater utilities – do not provide water services.
- 3) Combined utilities – provide both water and wastewater services.

Performance indicator results are provided as quartiles, namely the 25th percentile, 50th percentile (median), and 75th percentile. Results are only reported when there are greater than three responses for each calculated performance indicator. Otherwise, a designation of "NA" signifies that data was not available or not applicable for that metric. A blank field indicates that the utility did not provide data to report or calculate a specific performance indicator. COUNT indicates how many responses were received from the reporting utility type.

The results are reported by presenting the middle half of all results as the difference between the top and bottom quartiles for any grouping (Water, Wastewater, or Combined). Outside of the middle 50% of respondents, the top and bottom quartiles also define the 25% of respondents' results above or below this middle portion, respectively.

In most cases, the preferred placement for each indicator is typically the top quartile. However, in some cases the top quartile of indicators reflects only the statistical division of the responses and does not indicate preferred placement. Utility participants should evaluate their priorities for each performance indicator and placement within each quartile range.

## Participant Overview

Summary of Utility Participant Type	
Water Only	46
Wastewater Only	14
Combined Operations	98
Total Participants	158

## List of 2021 (FY20) Utility Participants

State	Utility Name	Type	State	Utility Name	Type
AL	Birmingham Water Works Board	W	FL	Florida Keys Aqueduct Authority	C
AL	Decatur Utilities	C	FL	Gainesville Regional Utilities	C
AL	Huntsville Utilities	W	FL	JEA	C
AL	Riviera Utilities	W	FL	Miami-Dade Water and Sewer Department	C
AR	Beaver Water District	W	FL	Orange County Utilities	C
AR	Little Rock Reclamation Authority	WW	FL	Toho Water Authority	C
AZ	Big Park Water Company	W	GA	Athens-Clarke County Public Utilities Department	C
AZ	City of Tucson Water Department	W	GA	City of Atlanta /Atlanta Dept. of Watershed Manage	C
AZ	Phoenix Water Services Department	C	GA	City of Roswell	W
CA	Central Contra Costa Sanitary Dist.	WW	GA	Clayton County Water Authority	C
CA	City of Corona Department of water and Power	W	GA	Columbus Water Works	C
CA	City of Ontario	C	GA	Douglasville Douglas Co. Wtr./Swr. Auth.	C
CA	City of Poway Public Works	C	GA	Gwinnett County Dept. of Water Resources	C
CA	City of Riverside Public Utilities	W	HI	Honolulu Board of Water Supply	W
CA	City of Sacramento Dept. of Utilities	C	IL	City of Rockford Water Division	W
CA	Coachella Valley Water District	C	IL	Lake County Public Works	C
CA	Diablo Water District	W	IN	Citizens Energy Group	C
CA	El Dorado Irrigation District	C	IN	City of Bloomington Utilities	C
CA	Elsinore Valley Municipal Water District	C	IN	Fort Wayne City Utilities	C
CA	Fallbrook Public Utility District	C	KS	City of Garden City Water Dept.	C
CA	Los Angeles Water and Power	W	KS	City of Olathe	C
CA	Marin Municipal Water District	W	KS	Johnson County Wastewater	WW
CA	Padre Dam Municipal Water District	C	KS	Kansas City Board of Public Utilities	W
CA	San Francisco Public Utilities Commission	C	KS	Topeka Water Division	C
CA	Santa Rosa Water	C	KS	Water District No. 1 of Johnson County	W
CA	South Coast Water District	C	KY	Louisville Water Company	W
CA	Sweetwater Authority	W	KY	Northern Kentucky Water District	W
CO	City of Greeley Water & Sewer	C	KY	Owensboro Municipal Utilities	W
CO	Fort Collins Utilities	C	MD	Anne Arundel County MD - Bureau of Utility Operati	C
CO	Pueblo Board of Waterworks	W	MD	Calvert County DPW Water and Sewerage	C
CO	Town of Castle Rock	C	ME	Portland Water District	C
CT	Groton Utilities	C	MI	Grand Rapids Water Department	C
CT	Regional Water Authority	W	MI	Great Lakes Water Authority	C
DC	DC Water	C	MI	Lansing Board of Water & Light	W
FL	Broward County Water & Wastewater Svcs	C	MN	City of Woodbury	C
FL	Charlotte County Utilities	C	MN	Minneapolis Water Works	W
FL	City of Gulf Breeze	C	MO	City of Springfield, MO	WW
FL	City of Plantation Utilities	C	MO	City Utilities of Springfield	W
FL	City of Port St. Lucie	C	MO	JC Utilities	WW
FL	City of St. Petersburg Water Resources Dept.	C	MO	KC Water	C
FL	City of Winter Haven	C	MO	Metropolitan St. Louis Sewer District	WW
FL	Environmental Services Dept. for City of Largo	WW			

## 2021 (FY20) Utility Participants (continued)

State	Utility Name	Type	State	Utility Name	Type
NC	Cape Fear Public Utility Authority	C	TX	Austin Water Utility	C
NC	Charlotte Water	C	TX	City of Corinth	C
NC	City of Greensboro Water Department	C	TX	City of Corpus Christi	C
NC	City of Raleigh	C	TX	City of Denton Water and Wastewater	C
NC	Durham Dept. of Water Management	C	TX	City of Irving	C
NC	Metropolitan Sewerage District of Buncombe County	WW	TX	City of Lubbock Water Utilities	C
NC	Orange Water and Sewer Authority	C	TX	City of Pearland	C
NC	Town of Apex	C	TX	City of Sugar Land	C
NC	Union County Public Works	C	TX	Dallas Water Utilities	C
NE	Metropolitan Utilities District	W	TX	Fort Worth Water Department	C
NM	Albuquerque Bernalillo County Water Utility Authority	C	TX	Houston Water	C
NV	City of Henderson	C	TX	Quadvest, LP	C
NV	Truckee Meadows Water Authority	W	TX	San Antonio River Authority	WW
NY	Town of Skaneateles Water Department	W	TX	San Antonio Water System	C
OH	City of Gahanna	C	UT	Salt Lake City Public Utilities	C
OH	City of Toledo Department of Public Utilities	C	VA	Chesapeake Dept. of Public Utilities	C
OH	Del-Co Water Company Inc.	W	VA	County of Arlington Water & Sewer	C
OH	Greater Cincinnati Water Works	W	VA	County of Chesterfield	C
OH	Northeast Ohio Regional Sewer District	WW	VA	Fairfax Water	W
OK	City of Norman	C	VA	Hanover County Department of Public Utilities	C
OK	Oklahoma City Utilities Department	C	VA	Newport News Waterworks Department	W
ON	Town of Fort Erie	W	VA	Prince William County Service Authority	C
OR	City of Bend, Utility Department	C	VA	Virginia Beach Public Utilities	C
OR	Clean Water Services	WW	VA	Western Virginia Water Authority	C
OR	Eugene Water And Electric Board	W	VT	Champlain Water District	W
OR	Portland Water Bureau	W	WA	Alderwood Water & Wastewater District	C
OR	Rockwood Water People's Utility Dist.	W	WA	Cascade Water Alliance	W
OR	Tualatin Valley Water District	W	WA	City of Tacoma Wastewater Management	WW
OR	West Slope Water District	W	WA	King County Water Dist. #90	W
PA	Bucks County Water & Sewer Authority	C	WA	North City Water District	W
PA	Lehigh County Authority	C	WA	Northshore Utility District	W
SC	Charleston Water System	C	WA	Pierce County Sewers	WW
SC	Mount Pleasant Waterworks	C	WA	Seattle Public Utilities	C
SC	Renewable Water Resources	WW	WA	Tacoma Public Utilities	W
SC	Startex Jackson Wellford & Duncan Water District	W	WI	Milwaukee Water Works	W
TN	Murfreesboro Water Resources Dept.	C			
TN	Nashville Metro Water and Sewer	C			
<b>Canadian and International Participants</b>					
			AB	Jasper Waterworks System	C
			BC	Metro Vancouver	C
			GU	Guam Waterworks Authority	C





## 2021 (FY20) WATER Utilities Participant Report

### Kansas City Board of Public Utilities

#### ORGANIZATIONAL DEVELOPMENT

Organizational Best Practices	WATER UTILITIES				
	Your Utility	75th Percentile	Median	25th Percentile	Count
Organizational Best Practice Index (%)	76.9%	83.1%	76.8%	69.2%	46
Strategic Planning	3	5.0	4.5	3.3	42
Strategic Plan Implementation	3	5.0	4.0	4.0	41
Long-term Financial Planning	4	5.0	5.0	4.0	46
Risk Management Planning	4	4.0	4.0	3.0	46
Performance Measurement System Integration	4	4.0	3.0	2.0	43
Optimized Asset Management Program	4	4.0	3.0	2.0	45
Customer Involvement Program	4	4.0	4.0	3.0	45
Governing Body Relations	4	5.0	5.0	4.0	44
Drought Response/Water Shortage Contingency Planning	4	5.0	4.0	3.0	41
Sourcewater Protection Planning	4	5.0	4.5	3.3	38
Succession Planning	4	4.0	3.0	2.0	45
Continuous Improvement Program Participation	4	4.0	3.0	3.0	43
Leadership Effectiveness	4	4.0	4.0	3.8	44

STAFFING LEVELS - Water (as % of TOTAL)	WATER UTILITIES				
	Your Utility	75th Percentile	Median	25th Percentile	Count
FTEs - TOTAL	158	283	144	35	45
FTEs - OPERATIONS AND MAINTENANCE	37.7%	54.4%	44.0%	34.5%	41
FTEs - Water Supply		9.1%	5.1%	3.4%	25
FTEs - Water Treatment	11.4%	16.9%	11.1%	6.8%	35
FTEs - Water Transmission and Distribution	26.3%	36.5%	29.4%	22.8%	40
FTEs - MANAGEMENT, ENGINEERING, CUSTOMER SERVICE, OTHER	48.2%	60.4%	49.1%	43.6%	40
FTEs - Engineering	8.6%	11.1%	8.1%	6.2%	38
FTEs - Utility Planning	1.3%	3.9%	3.0%	2.0%	27
FTEs - Lab Service / Compliance	4.2%	5.3%	3.8%	2.2%	31
FTEs - Customer Service / Call Center	5.8%	12.2%	6.7%	5.0%	39
FTEs - Metering	14.2%	10.4%	6.4%	4.4%	26
FTEs - Customer Billing	5.9%	6.2%	3.0%	2.0%	36
FTEs - Public relations	0.3%	2.2%	1.4%	0.7%	31
FTEs - Finance	2.0%	6.0%	3.8%	2.7%	39
FTEs - Human Resources	1.3%	2.5%	2.0%	1.0%	35
FTEs - IT	7.3%	7.2%	5.5%	3.4%	34
FTEs - Facilities	1.8%	6.7%	3.7%	2.1%	26
FTEs - Fleet	3.7%	3.2%	2.0%	1.5%	26
FTEs - Legal/Administration	1.6%	3.4%	2.3%	0.9%	37
FTEs - Safety		1.2%	0.8%	0.5%	29
FTEs - Risks/Claims		1.4%	0.8%	0.4%	17
FTEs - Security	1.3%	1.5%	1.1%	0.6%	23
FTEs - Other	3.0%	10.9%	3.6%	2.2%	20



## 2021 (FY20) WATER Utilities Participant Report

### Kansas City Board of Public Utilities

		WATER UTILITIES				
		Your Utility	75th Percentile	Median	25th Percentile	Count
Training (hours/FTE)						
Training Hours per Employee		2.2	20.0	8.8	5.8	37
Emergency Response Readiness Training (hours/FTE)						
Emergency Response Readiness		1.1	4.7	2.4	0.9	35
Customer Accounts (accounts/FTE)						
Customer Accounts per Employee		335	546	418	333	44
Employee Turnover (%)						
Employee Turnover Rates		3.2%	5.3%	6.9%	9.6%	41
Retirement Eligibility (%)						
Retirement Eligibility		15.8%	15.2%	20.8%	37.5%	42
Employee Health & Safety Severity Rate						
Health & Safety Severity Rate		52.2	0.0	6.7	49.4	39
Recordable Incidents of Injury and Illness						
Recordable Incident Rate		6.3	1.8	2.8	4.8	43
Near Misses						
Number of Near Misses		0.0	0.0	2.0	5.0	28
Strategic Workforce Planning		Your Level	Level 5 (Always)	Level 4 (Frequently)	Level 3 (Sometimes)	Level 2 (Not Often)
Level of Strategic Workforce Planning Knowledge						
40	Level 1 (Never): 3% TOTAL COUNT:	4	25.0%	30.0%	32.5%	10.0%
40	Level of Current Plan Incorporated					
40	Level 1 (Never): 0% TOTAL COUNT:	3	12.5%	17.5%	47.5%	22.5%
38	Level of Decision-maker Commitment					
38	Level 1 (Never): 5% TOTAL COUNT:	4	31.6%	26.3%	26.3%	10.5%
Level of Resources and Collaboration						
40	Level 1 (Never): 3% TOTAL COUNT: 38	4	7.9%	26.3%	36.8%	26.3%
Role in Strategic Vision and Goals						
40	Level 1 (Never): 0% TOTAL COUNT: 40	4	35.0%	27.5%	27.5%	10.0%
Employee Vacancies						
		Your Utility	75th Percentile	Median	25th Percentile	Count
Average Employee Tenure (years)		13.0	12.9	11.7	10.0	36
Vacancy Rate (%)		3.2%	3.7%	6.0%	10.5%	31
Average Length of position Vacancies (Days)			27.5	59.8	112.0	28
Employee Internal Promotion Rate (%)		50.0%	65.0%	40.6%	11.5%	33





## 2021 (FY20) WATER Utilities Participant Report

### Kansas City Board of Public Utilities

#### BUSINESS OPERATIONS

		WATER UTILITIES				
Debt Ratio		Your Utility	75th Percentile	Median	25th Percentile	Count
Debt Ratio		0.40	0.23	0.35	0.46	45
Return on Assets (%)						
Return on Assets		3.4%	3.7%	2.8%	1.8%	45
Days of Cash on Hand (days)						
Days Cash on Hand		250	470	315	210	41
Debt Service Coverage Ratio						
Debt service coverage ratio		2.16	3.35	2.50	1.85	41
Days of Working Capital (Financial Liquidity)						
Financial Liquidity		250	150	302	502	37
Operating Ratio (O&M costs / Total operating revenue)						
Operating ratio		50%	47%	52%	65%	42
Bond Rating		Your Utility	Prime	High Grade	Upper Medium Grade	Lower Medium
Bond Rating	COUNT: 35	Upper Medium Grade	10	21	4	0
Insurance Claims		Your Utility	75th Percentile	Median	25th Percentile	Count
Insurance Claims		0.0	0.0	4.6	11.0	34
Severity of Insurance Claims (\$ per 200,000 employee hours worked)						
Severity Insurance Claims		\$0	\$0	\$11,956	\$25,204	33
Average Severity (\$/claim) - Utility reported values						
Average Severity		\$0	\$0	\$551	\$2,628	34
System Inspection (%)						
System Inspection(%): Water Pipe Network		4.0%	19.4%	0.8%	0.1%	29
System Renewal / Replacement Rate - Water (reported as % of asset value/year)						
Water Supply			2.6%	1.0%	0.3%	25
Water Treatment Facilities		0.1%	2.0%	0.9%	0.3%	32
Water Pump Stations		1.2%	2.0%	1.2%	0.6%	29
Water Transmission & Distribution Pipe Networks		0.7%	2.0%	1.1%	0.7%	36
Triple Bottom Line Index (%)						
Triple Bottom Line Index		75%	80%	65%	41%	34
Sustainability						
Percentage of Non-Potable Consumptive Use			6%	0%	0%	16
		Your Rating	Rating: 5	Rating: 4	Rating: 3	Rating: 2
Habitat/Watershed Protection RATING 1: 10% TOTAL COUNT: 30			20%	37%	27%	7%
Green Infrastructure Planning RATING 1: 18% TOTAL COUNT: 34		2	24%	15%	18%	26%
Energy Optimization Planning RATING 1: 8% TOTAL COUNT: 36		4	22%	14%	36%	19%

See Footnotes for explanation of Ratings





## 2021 (FY20) WATER Utilities Participant Report

### Kansas City Board of Public Utilities

Risk and Resiliency	Your Utility	WATER UTILITIES			
		Level 1	Level 2	Level 3	No Plan
Risk Assessment and Response Preparedness n/a: 5% TOTAL COUNT: 42	2	12%	31%	45%	7%
Emergency Response Planning n/a: 2% TOTAL COUNT: 44	2	11%	18%	61%	7%
Recovery and Mitigation n/a: 2% TOTAL COUNT: 44	2	23%	30%	32%	14%
Cybersecurity Preparedness n/a: 2% TOTAL COUNT: 44	3	9%	30%	50%	9%
AWWA Cybersecurity Guidance Assessment Tool Use n/a: 5% TOTAL COUNT: 37	1	19%	43%	5%	27%
EPA Baseline Information on Malevolent Acts n/a: 6% TOTAL COUNT: 35	1	23%	49%	3%	20%

See Footnotes for explanation of Ratings

### CUSTOMER RELATIONS

Customer Service Complaints	Your Utility	75th Percentile	Median	25th Percentile	Count
Customer Service Complaints (per 1,000 accounts)	0.0	0.4	1.1	3.0	25
Customer Service Complaints (per population served)	0.0	0.2	0.4	0.8	25

#### Technical Service Complaints

Technical Service Complaints (per 1,000 accounts)	2.6	1.2	3.0	7.4	32
Technical Service Complaints (per population served)	0.8	0.3	0.9	2.3	33

#### Call Center Indicators: Average TALK time (minutes)

Average talk time	4.4	3.4	3.6	4.4	32
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#### Call Center Indicators: Average WAIT time (minutes)

Average wait time	7.7	0.7	1.2	2.4	31
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#### Call Center Indicators: Abandoned Call Ratio (number of calls abandoned/number of call received)

Abandoned call ratio	9.3%	2.9%	7.4%	11.7%	28
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#### Call Center Indicators: Average Calls per Call Center Representative (# of calls)

Average Calls per Call Center Representative	42,153	7,971	5,367	3,596	30
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#### First Call Resolution

First Call Resolution		97%	92%	90%	12
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#### Customer Service Cost per Account (\$/account)

Customer Service Cost per Account	\$45.71	\$30.26	\$45.12	\$66.72	34
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#### Cost of Residential Service - Water (\$)

Residential Cost of Water Service - 7,500 gallons per month (\$)	\$63.23	\$35.38	\$49.04	\$59.60	43
Residential Cost of Water Service - Average Monthly Bill (\$)	\$55.98	\$28.00	\$37.09	\$52.09	43
Residential Cost of Water Service - Average monthly usage (gallons)	5,984	4,443	5,850	7,490	43

#### Billing Accuracy (errors / 10,000 bills generated)

Billing Accuracy	74.8	1.2	11.7	29.8	38
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## 2021 (FY20) WATER Utilities Participant Report

### Kansas City Board of Public Utilities

		WATER UTILITIES				
Frequency of Billing		Your Level	Level 1 (<Quarterly)	Level 2 (Quarterly)	Level 3 (Bi-Monthly)	Level 4 (Monthly)
Frequency of Billing - Residential	COUNT: 40	4	0%	15%	23%	63%
Frequency of Billing - Commercial	COUNT: 40	4	0%	8%	15%	78%
Frequency of Billing - Wholesale	COUNT: 24	4	8%	4%	4%	83%

Estimated Billing Rate		75th Percentile	Median	25th Percentile	Count
Estimated Billing Rate - Residential	0.1%	1.0%	0.2%	0.0%	33
Estimated Billing Rate - Commercial	0.1%	0.9%	0.1%	0.0%	31
Estimated Billing Rate - Wholesale	0.0%	0.0%	0.0%	0.0%	16

Metering Prevalence						
Percent of Customers Metered - Residential	100%	100%	100%	100%	100%	38
Percent of Customers Metered - Commercial	100%	100%	100%	100%	100%	37
Percent of Customers Metered - Wholesale	100%	100%	100%	100%	100%	21

Metering - Frequency of Meter Reading		Your Level	Level 1	Level 2	Level 3	Level 4
Frequency of Meter Readings - Residential Level 5: 13% COUNT: 40		5	35%	53%	0%	0%
Frequency of Meter Readings - Commercial Level 5: 13% COUNT: 40		5	23%	65%	0%	0%
Frequency of Meter Readings - Wholesale Level 5 & Level 6: 13% COUNT: 23		5	4%	78%	4%	0%

Metering - Read Success Rate		75th Percentile	Median	25th Percentile	Count
Read Success Rate - Residential	99.9%	99.9%	99.6%	99.0%	36
Read Success Rate - Commercial	99.9%	100.0%	99.9%	99.1%	36
Read Success Rate - Wholesale	100.0%	100.0%	100.0%	100.0%	19

Metering Function						
Meter Function - Residential	100%	100%	100%	100%	100%	38
Meter Function - Commercial	100%	100%	100%	100%	100%	37
Meter Function - Wholesale	100%	100%	100%	100%	100%	21

Consumption (gallons per capita per day)						
Total per capita consumption	123.2	84.8	107.4	137.6		46
Domestic per capita consumption	44.3	52.0	63.9	78.2		40

Service Affordability (%)						
Water Service Affordability (%)	1.13%	0.59%	0.79%	0.91%		38

Delinquency Rate						
Delinquency Rate	21.6%	3.3%	9.0%	17.1%		35

Low Income Assistance Program Offered		Your response	Program offered (1)	No Program offered (2)	Restricted from offering program (3)	Count
Low Income Assistance program offered		1	20	14	6	40

Participation in Assistance Program		Your Utility	75th Percentile	Median	25th Percentile	Count
Percentage eligible for Assistance Program		12.0%	17.5%	8.0%	1.0%	8





## 2021 (FY20) WATER Utilities Participant Report

### Kansas City Board of Public Utilities

Disconnects/Shutoffs	WATER UTILITIES				
	Your Utility	75th Percentile	Median	25th Percentile	Count
Payment plans offered?	Yes				
Budget billing offered?	Yes				
Outside collection agency utilized?	Yes				
Disconnections due to non-payment	1,478	60	780	2,601	39
Disconnections due to non-payment (prior FY)	1,752	240	1,752	5,459	37
Percentage uncollectible account-related debt	0%	0.0%	0.4%	4.5%	27

<b>Stakeholder Outreach</b>					
Stakeholder Outreach Index (%)	75%	83%	67%	50%	37

<b>Customer Service Contact (Preferred method used)</b>					
Phone	47%	85%	80%	67%	35
In-Person	2%	10%	5%	2%	35
Email	0%	10%	7%	4%	33
Social Media	3%	5%	3%	1%	25
Other	48%	10%	1%	0%	13

<b>Disruptions of Water (W) Service</b>					
PLANNED Disruptions of WATER Service (outages/1,000 accts)					
(W) Duration: Less than 4 hours	3.16	0.15	0.56	1.50	33
(W) Duration: Between 4 - 12 hours	4.50	0.12	0.36	0.66	31
(W) Duration: More than 12 hours	1.15	0.00	0.00	0.02	28
Avg time to address (W) <u>planned</u> disruption	25.62	3.3	8.3	22.4	28
UNPLANNED Disruptions of WATER Service (outages/1,000 accts)					
(W) Duration: Less than 4 hours	2.04	0.25	1.03	2.00	34
(W) Duration: Between 4 - 12 hours	1.80	0.11	0.20	0.51	32
(W) Duration: More than 12 hours	0.28	0.00	0.01	0.03	28
Avg time address (W) <u>unplanned</u> disruptions	13.38	2.9	9.2	21.2	32

<b>Disruption Frequency Index</b>					
(W) Water Systems - Planned Disruption Frequency Index	8.81	0.39	1.17	2.10	35
(W) Water Systems - Unplanned Disruption Frequency Index	4.12	0.37	1.26	2.51	36
(W) Water Systems - Disruption Frequency Index (all WATER Disruptions)	12.93	1.50	3.15	5.71	38



## 2021 (FY20) WATER Utilities Participant Report

### Kansas City Board of Public Utilities

#### WATER OPERATIONS

Water Operations - Various	WATER UTILITIES				
	Your Utility	75th Percentile	Median	25th Percentile	Count
Regulatory Compliance (%)	100%	100.0%	99.7%	99.7%	45
Water Produced (MGD per Employee)	0.19	0.25	0.17	0.14	45
Current Water Demand (%)	43.2%	33.6%	45.2%	57.1%	41
Available Water Supply (years)	66	66	51	28	25
Energy Consumption Efficiency for Water (kBtu/yr/MG)	15,436	5,700	9,129	11,786	35

#### Leaks and Breaks (per 100 miles of pipe)

Water Distribution System Integrity (Leaks per 100 miles of pipe)	28.9	1.8	5.6	12.4	31
Water Distribution System Integrity (Breaks per 100 miles of pipe)	22.0	3.2	6.8	15.4	35
Water Distribution System Integrity TOTAL Leaks and Breaks (per 100 miles of pipe)	50.8	4.7	13.4	21.3	40

#### Hydrant Effectiveness

Hydrant Out of Service Rate (%)	2.5%	0.0%	0.5%	1.9%	36
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O&M Costs for Water Service	WATER UTILITIES				
	Your Utility	75th Percentile	Median	25th Percentile	Count
Total O&M Cost of Water Service (\$/Account)	\$514	\$294	\$421	\$540	37
Total O&M Cost of Water Service (\$/MG)	\$2,541	\$1,779	\$2,569	\$3,402	42
Total O&M Cost of Water Service (\$/100 miles pipe)	\$2,831,418	\$2,048,138	\$2,778,905	\$4,205,228	42
Treatment O&M Cost of Water Service (\$/MG)	\$529	\$172	\$500	\$767	35
Distribution O&M Cost of Potable Water Service (\$/100 miles of pipe)	\$1,406,416	\$626,511	\$869,281	\$1,200,521	38
O&M % - Water Supply		6.7%	13.4%	22.3%	28
O&M % - Water Treatment	20.8%	9.5%	18.7%	32.6%	35
O&M % - Water Transmission and Distribution	49.7%	22.4%	32.0%	39.6%	36
O&M % - Water Support Services (provided by others)	29.5%	24.8%	32.9%	45.2%	32

#### Maintenance - Water

Planned Linear Maintenance Ratio (as % of total linear maintenance)	4.0%	71%	50%	35%	23
Planned Vertical Maintenance Ratio (as % of vertical maintenance)	73.4%	78%	64%	46%	24
Corrective Vertical Maint. to Water Production (hrs / MG)	0.2	0.19	0.41	0.61	24
Planned Vertical Maintenance to Water Production (hrs/MG)	0.6	1.20	0.71	0.24	24
Corrective Linear Maintenance to Water Distribution (hrs/100 mile)	3967.4	400	914	1,546	24
Planned Linear Maintenance to Water Distribution (hrs/100 mile)	164.0	1,163	767	481	22

#### Planned Maintenance Ratio

Water Planned Maintenance Ratio - % of Total Maintenance	16.0%	70%	59%	30%	30
--	-------	-----	-----	-----	----



## 2021 (FY20) WATER Utilities Participant Report

### Kansas City Board of Public Utilities

#### AWWA Water Audit Software

Participated in AWWA Free Water Audit Software?	Yes	# completed: 27	utilities		
Were Water Audit results validated?	No	Yes: 74%	No: 26%		
		Level 1	Level 2		Count
Level of Validated Results		8	2	1	11
Water Audit Data Validity Score	81	82	78	70	23
Average Operating Pressure (psi)	80.0	70.0	80.0	90.0	25
Annual cost of Apparent Losses	\$1,329,598	\$435,655	\$993,423	\$2,343,048	23
Annual cost of Real Losses	\$327,732	\$343,334	\$615,162	\$900,237	22
Apparent Losses per service connection per day (gallons/connection/day)	13.35	5.71	9.80	12.59	22
Real Losses per service connection per day (gallons/connection/day)	137.97	20.86	29.00	49.56	21
Real Losses per length of main per day <32 service conn/mile		NA	NA	NA	3
Infrastructure Leakage Index (ILI)	5.82	1.10	1.50	2.49	21
Completed FWAS v6.0					
Apparent Loss Cost Rate		34.84	20.90	9.62	7
Real Loss Cost Rate		29.53	5.59	4.72	7
Normalized Water Losses		30.35	25.27	10.92	7



**Footnotes:**

<p><b>Description of Ratings for the Sustainability set of indicators</b></p> <p><u>Habitat/Watershed Protection:</u></p> <ul style="list-style-type: none"> <li>5 - This activity is fully implemented at our utility</li> <li>4 - This activity is largely implemented, but there is room for improvement</li> <li>3 - This activity is implemented, but there is room for substantial improvement</li> <li>2 - This activity is implemented, but only occasionally or without uniformity</li> <li>1 - This activity is not practiced at our utility</li> </ul> <p><u>Green Infrastructure Planning:</u></p> <ul style="list-style-type: none"> <li>5 - Planning approach is well-defined and fully endorsed by staff, stakeholders, and decision-makers</li> <li>4 - Planning approach is well-defined and endorsed by most staff, stakeholders, and decision-makers</li> <li>3 - Planning approach has been moderately defined and endorsed by some staff, stakeholders, and decision-makers</li> <li>2 - Planning approach has been somewhat defined and endorsed by few or no staff, stakeholders, and decision-makers</li> <li>1 - No planning approach defined or endorsed</li> </ul> <p><u>Energy Optimization Planning:</u></p> <ul style="list-style-type: none"> <li>5 - Plan is well-defined and fully endorsed by staff, stakeholders, and decision-makers</li> <li>4 - Plan is well-defined and endorsed by most staff, stakeholders, and decision-makers</li> <li>3 - Plan has been moderately defined and endorsed by some staff, stakeholders, and decision-makers</li> <li>2 - Plan has been somewhat defined and endorsed by few or no staff, stakeholders, and decision-makers</li> <li>1 - No energy optimization plan has been developed approach defined or endorsed</li> </ul>
<p><b>Description of Ratings for the Risk and Resiliency questions:</b></p> <p><u>Risk Assessment and Response Preparedness:</u></p> <ul style="list-style-type: none"> <li>Level 1 - Risks to high-consequence assets have been identified and risks reduced</li> <li>Level 2 - Increase utility capacity to understand and detect threats to the system, risks to all major assets are identified and reduced, and all hazards risk management needs are fully integrated into broader utility planning and investment activities.</li> <li>Level 3 - Emergent risks to all major assets are consistently addressed. Proactive and specialized shifts in operational procedures and updated capital investment criteria are changed when necessary</li> <li>Level 4 - No Assessment conducted</li> </ul> <p><u>Emergency Response Planning:</u></p> <ul style="list-style-type: none"> <li>Level 1 - Emergency Response Plan is developed containing basic policies and procedures</li> <li>Level 2 - The Emergency Response Plan is enhanced with additional capabilities and supported through more structured relationships with potential response partners.</li> <li>Level 3 - Emergency Response Plan is enhanced with incident-specific Emergency Action Procedures (EAPs) for responding to a specific type of incident, and enhanced capability to test, exercise, and to refine the Emergency Response Plan is in place. Ability to respond to a full suite of unexpected events by implementing a comprehensive Emergency Response Plan</li> <li>Level 4 - No Plan in place</li> </ul> <p><u>Recovery and Mitigation:</u></p> <ul style="list-style-type: none"> <li>Level 1 - General awareness of mitigation and recovery activities, projects, and funding is in place for efficient system and services restoration.</li> <li>Level 2 - Implementation of mitigation and recovery activities, projects, and funding is in place.</li> <li>Level 3 - Ability to recover from a full suite of incidents through implementation of comprehensive mitigation and recovery activities, projects, and funding is in place</li> <li>Level 4 - No Plan in Place</li> </ul> <p><u>Cybersecurity Preparedness:</u></p> <ul style="list-style-type: none"> <li>Level 1 - Utility has identified and established a basic cybersecurity plan, and is minimally implemented.</li> <li>Level 2 - Utility has developed a cybersecurity plan, that has been approved and generally used throughout facility.</li> <li>Level 3 - Utility has established and fully incorporated a detailed cybersecurity plan which is routinely reviewed and implemented.</li> <li>Level 4 - No Plan in place</li> </ul>
<p><u>Usefulness of Risk and Resilience Resources:</u></p> <ul style="list-style-type: none"> <li>1 - Guidance was very beneficial to our process</li> <li>2 - Guidance was beneficial to our process</li> <li>3 - Guidance was not beneficial to our process</li> <li>4 - Reviewed guidance, but it was not a part of our process</li> <li>5 - Not aware of guidance</li> </ul>





# **KEY UTILITY MEASURES** **for** **WATER Utilities**

**Kansas City Board of Public Utilities**

**2021 (FY20) Data Set**  
**Final Results**

American Water Works Association  
Utility Benchmarking Program  
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## **Introduction**

The goal of the American Water Works Association (AWWA) Utility Benchmarking Program is to provide objective performance measures for decision-makers who are responsible for utilities that provide potable water (referred to in this manuscript as simply water) and/or wastewater services. Performance measurement is an essential management tool to help decision-makers set a course to improve their organizations. Managers and public officials need useful metrics to gauge current performance and set reasonable targets for the future. AWWA's Utility Benchmarking Program tracks recognized utility performance indicators developed and applied by water industry professionals, providing this information as a tool for improving operational efficiency and managerial effectiveness for utilities regardless of size or system specific issues.

**This abbreviated Key Utility Measures report was developed to provide a synopsis of the utility's performance. Performance indicators in the Key Utility Measures report were identified as leading measures used by a well-run utility.**

This report displays results from all utility's response for the same service type as your utility (i.e., all Combined water and wastewater utilities responding regardless of size or geographic region). The full list of performance indicators and results can be found in your utility individual Participant Report. Likewise, expanded results (i.e., breakout of data results by utility's region and utility population served) and detailed data analysis including historical trends will be available in the publication "2021 AWWA Utility Benchmarking: Performance Management for Water and Wastewater".

## **Methodology**

This report is a summary of the performance results of various **water utilities** for their operation during fiscal year 2020. AWWA conducted this annual Utility Benchmarking Survey starting in January 2021, continued to solicit participation through April, 2021, and concluded with the review period extending through July, 2021. The survey was administered through an on-line platform allowing utility participants to submit utility specific information corresponding to the complete 12-month financial period used at the participating utility (i.e., fiscal year, calendar year, or as otherwise designated by submitting organization).

Utility participants are grouped by core service type defined as follows:

- 1) Water utilities – do not provide wastewater services.
- 2) Wastewater utilities – do not provide water services.
- 3) Combined utilities – provide both water and wastewater services.

Performance indicator results are provided as quartiles, namely the 25<sup>th</sup> percentile, 50<sup>th</sup> percentile (median), and 75<sup>th</sup> percentiles. Results are only reported when there are greater than three responses, otherwise, a designation of "NA" signifies that data was not available or not applicable for that metric. A blank field indicates that the utility did not provide data to report or calculate a specific performance indicator. COUNT indicates how many responses were received from the reporting utility type.

In most cases, the preferred placement for each indicator is designated by the top quartile. However, in some cases the top quartile of indicators reflects only the statistical division of the responses and does not indicate preferred placement.

The results are reported by presenting the middle half of all results as the difference between the top and bottom quartiles for any grouping (Water, Wastewater, or Combined). Outside of the middle 50% of respondents, the top and bottom quartiles also define the 25% of respondents' results above or below this middle portion, respectively.





## 2021 (FY20) WATER Utilities KEY UTILITY MEASURES

### Kansas City Board of Public Utilities

#### ORGANIZATIONAL DEVELOPMENT

	WATER UTILITIES				
Training (hours/FTE)	Your Utility	75th Percentile	Median	25th Percentile	Count
Training Hours per Employee	2.2	20.0	8.8	5.8	37
<b>Customer Accounts (accounts/FTE)</b>					
Customer Accounts per Employee	335	546	418	333	44
<b>Employee Health &amp; Safety Severity Rate</b>					
Health & Safety Severity Rate	52.2	0.0	6.7	49.4	39

#### BUSINESS OPERATIONS

	WATER UTILITIES				
Debt Ratio (%)	Your Utility	75th Percentile	Median	25th Percentile	Count
Debt Ratio	40%	23%	35%	46%	45
<b>Debt Service Coverage Ratio</b>					
Debt service coverage ratio	2.16	3.35	2.50	1.85	41
<b>Operating Ratio (O&amp;M costs / Total operating revenue)</b>					
Operating ratio	50%	47%	52%	65%	42
<b>System Renewal / Replacement Rate - Water (as % of asset value)</b>					
Water Supply		2.6%	1.0%	0.3%	25
Water Treatment Facilities	0.1%	2.0%	0.9%	0.3%	32
Water Pump Stations	1.2%	2.0%	1.2%	0.6%	29
Water Transmission & Distribution Pipe Networks	0.7%	2.0%	1.1%	0.7%	36

#### CUSTOMER RELATIONS

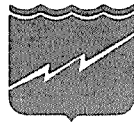
	WATER UTILITIES				
Technical Service Complaints (per 1,000 accounts)	Your Utility	75th Percentile	Median	25th Percentile	Count
Technical Service Complaints	2.6	1.2	3.0	7.4	32
<b>Billing Accuracy (errors / 10,000 bills generated)</b>					
Billing Accuracy	74.8	1.2	11.7	29.8	38
<b>Disruptions of Water (W) Service</b>					
Avg time address (W) unplanned disruptions	13.38	2.9	9.2	21.2	32

#### WATER OPERATIONS

	WATER UTILITIES				
Water Operations - Various	Your Utility	75th Percentile	Median	25th Percentile	Count
Regulatory Compliance (%)	100%	100.0%	99.7%	99.7%	45
Available Water Supply (years)	66	66	51	28	25
<b>Leaks and Breaks (per 100 miles of pipe)</b>					
Water Distribution System Integrity TOTAL Leaks and Breaks (per 100 miles of pipe)	50.8	4.7	13.4	21.3	40
<b>O&amp;M Costs for Water Service</b>					
Total O&M Cost of Water Service (\$/Account)	\$514	\$294	\$421	\$540	37
Total O&M Cost of Water Service (\$/MG)	\$2,541	\$1,779	\$2,569	\$3,402	42
<b>Maintenance - Water</b>					
Planned Linear Maintenance Ratio (as % of total linear maintenance)	4.0%	71%	50%	35%	23
Planned Vertical Maintenance Ratio (as % of vertical maintenance)	73.4%	78%	64%	46%	24
Water Planned Maintenance Ratio - % of Total Maintenance	16.0%	70%	59%	30%	30



**BOARD OF PUBLIC  
UTILITIES  
of  
Kansas City, Kansas**



Monthly Financial Statements

Unaudited

For the Period Ending

October 31, 2021

Prepared By Accounting

**KANSAS CITY, KANSAS  
BOARD OF PUBLIC UTILITIES**



**October 2021  
Financial Statements**

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**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**COMBINING UNAUDITED BALANCE SHEET**  
**FOR THE PERIOD ENDING**  
**October 2021 And October 2020**



**ASSETS**

**CAPITAL ASSETS**

Property, Plant and Equipment  
Accumulated Depreciation  
Acquisition Adjustment  
Plant in Service, Net  
Construction Work In Progress

**CAPITAL ASSETS, NET**

ELECTRIC UTILITY	
Current Period	Last Year
1,415,527,900	1,389,735,777
(735,234,286)	(708,689,818)
24,222,841	25,423,973
704,516,455	706,469,933
89,106,385	85,508,824
<b>\$ 793,622,840</b>	<b>\$ 791,978,757</b>

WATER UTILITY	
Current Period	Last Year
423,171,482	410,391,000
(161,468,797)	(153,181,948)
-	-
261,702,685	257,209,052
12,538,207	16,567,710
<b>\$ 274,240,892</b>	<b>\$ 273,776,762</b>

COMBINED	
Current Period	Last Year
1,838,699,382	1,800,126,777
(896,703,083)	(861,871,766)
24,222,841	25,423,973
966,219,140	963,678,985
101,644,592	102,076,534
<b>\$ 1,067,863,732</b>	<b>\$ 1,065,755,519</b>

**CURRENT ASSETS**

Cash & Marketable Securities  
Economic Development Fund  
Reserve - Public Liability  
Reserve - Worker's Comp  
Capital Debt Reduction  
Rate Stabilization  
Cash Reserve - Market  
System Development Reserve  
Accounts Receivable  
Accounts Receivable Unbilled  
Allowance for Doubtful Account  
Plant & Material Inventory  
Fuel Inventory  
Prepaid Insurance  
Fuel/Purchase Power Deferred  
Other Current Assets  
Intercompany

**TOTAL CURRENT ASSETS**

16,927,556	24,362,650
350,000	350,000
800,000	800,000
880,000	880,000
-	-
9,156,273	9,156,273
-	-
-	-
27,645,450	23,918,029
15,199,248	14,723,187
(428,529)	(178,497)
17,435,348	17,954,862
4,062,378	6,544,368
1,392,478	1,522,828
-	-
754,469	337,589
33,252,095	31,486,427
<b>\$ 127,426,766</b>	<b>\$ 131,857,716</b>

1,026,154	1,980,482
150,000	150,000
200,000	200,000
220,000	220,000
6,290,000	6,290,000
-	-
-	-
10,716,732	9,879,676
4,485,225	3,950,598
3,355,084	3,456,157
(20,040)	(21,866)
2,678,900	2,569,247
-	-
98,976	75,963
-	-
18,465	-
(33,252,095)	(31,486,428)
<b>\$ (4,032,599)</b>	<b>\$ (2,736,171)</b>

17,953,710	26,343,132
500,000	500,000
1,000,000	1,000,000
1,100,000	1,100,000
6,290,000	6,290,000
9,156,273	9,156,273
-	-
10,716,732	9,879,676
32,130,675	27,868,627
18,554,332	18,179,344
(448,569)	(200,363)
20,114,248	20,524,109
4,062,378	6,544,368
1,491,454	1,598,791
-	-
772,934	337,589
-	(1)
<b>\$ 123,394,167</b>	<b>\$ 129,121,545</b>





**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**COMBINING UNAUDITED BALANCE SHEET**  
**FOR THE PERIOD ENDING**  
**October 2021 And October 2020**



**NON CURRENT ASSETS**

**RESTRICTED ASSETS**

Debt Service Fund  
 Construction Fund 2016A  
 Construction Fund 2016C  
 Construction Fund 2020A  
 Improvement & Emergency Fund  
 Customer Deposits Reserve

**TOTAL RESTRICTED ASSETS**

ELECTRIC UTILITY	
Current Period	Last Year
9,895,804	10,241,264
-	-
708,800	1,542,167
7,813,813	10,000,063
1,350,000	1,350,000
5,996,096	6,011,107
<b>\$ 25,764,513</b>	<b>\$ 29,144,601</b>

WATER UTILITY	
Current Period	Last Year
2,100,604	2,101,548
-	-
-	-
-	-
150,000	150,000
1,318,749	1,268,215
<b>\$ 3,569,353</b>	<b>\$ 3,519,763</b>

COMBINED	
Current Period	Last Year
11,996,408	12,342,812
-	-
708,800	1,542,167
7,813,813	10,000,063
1,500,000	1,500,000
7,314,845	7,279,322
<b>\$ 29,333,866</b>	<b>\$ 32,664,364</b>

Debt Issue Costs  
 System Development Costs  
 Notes Receivable  
 Deferred Debits  
 Net Pension Assets  
 Regulatory Asset

**TOTAL NON CURRENT ASSETS**

-	-
405,916	375,259
12,061	33,707
-	-
5,764,658	-
66,818,032	70,802,593
<b>\$ 98,765,180</b>	<b>\$ 100,356,160</b>

-	-
66,667	53,035
-	-
-	-
1,441,164	-
-	-
<b>\$ 5,077,184</b>	<b>\$ 3,572,798</b>

-	-
472,583	428,294
12,061	33,707
-	-
7,205,822	-
66,818,032	70,802,593
<b>\$ 103,842,364</b>	<b>\$ 103,928,958</b>

**TOTAL ASSETS**

<b>\$ 1,019,814,786</b>	<b>\$ 1,024,192,633</b>
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<b>\$ 275,285,477</b>	<b>\$ 274,613,389</b>
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<b>\$ 1,295,100,263</b>	<b>\$ 1,298,806,022</b>
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**DEFERRED OUTFLOWS OF RESOURCES**

Deferred Debt - 2012A Refunding  
 Deferred Debt - 2014A Refunding  
 Deferred Debt - 2016BI Refunding  
 Deferred Debt - 2016B Refunding  
 Deferred Debt - 2020B Refunding  
 Deferred Debt - Pension  
 Deferred Debit - OPEB

**TOTAL DEFERRED OUTFLOWS OF RESOURCES**

-	-
1,070,672	1,654,674
-	-
1,922,153	2,071,931
2,338,732	2,489,422
20,226,916	59,136,853
1,529,194	1,396,861
<b>\$ 27,087,667</b>	<b>\$ 66,749,741</b>

-	-
355,781	549,844
-	-
48,711	52,507
577,029	614,208
5,083,066	14,810,550
382,299	345,469
<b>\$ 6,446,886</b>	<b>\$ 16,372,578</b>

-	-
1,426,453	2,204,518
-	-
1,970,864	2,124,438
2,915,761	3,103,630
25,309,982	73,947,403
1,911,493	1,742,330
<b>\$ 33,534,553</b>	<b>\$ 83,122,319</b>

**TOTAL ASSETS AND DEFERRED OUTFLOWS**

<b>\$ 1,046,902,453</b>	<b>\$ 1,090,942,374</b>
-------------------------	-------------------------

<b>\$ 281,732,363</b>	<b>\$ 290,985,967</b>
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<b>\$ 1,328,634,816</b>	<b>\$ 1,381,928,341</b>
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**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**COMBINING UNAUDITED BALANCE SHEET**  
**FOR THE PERIOD ENDING**  
**October 2021 And October 2020**



**NET POSITION**

Net Position	350,089,137	343,155,034	171,270,833	162,636,652	521,359,970	505,791,686
<b>TOTAL NET POSITION</b>	<b>\$ 350,089,137</b>	<b>\$ 343,155,034</b>	<b>\$ 171,270,833</b>	<b>\$ 162,636,652</b>	<b>\$ 521,359,970</b>	<b>\$ 505,791,686</b>

**LIABILITIES**

**LONG TERM DEBT - REVENUE BOND**

Principal	551,464,091	572,339,914	52,466,576	59,730,950	603,930,667	632,070,864
Government Loans	2,517,174	2,743,719	22,414,882	25,314,458	24,932,056	28,058,177
<b>TOTAL LONG TERM DEBT</b>	<b>\$ 553,981,265</b>	<b>\$ 575,083,633</b>	<b>\$ 74,881,458</b>	<b>\$ 85,045,408</b>	<b>\$ 628,862,723</b>	<b>\$ 660,129,041</b>

**DEFERRED CREDITS**

Accum Provision for Benefits	-	-	-	-	-	-
Pension Obligation	-	26,096,694	-	6,524,174	-	32,620,868
OPEB Obligation	43,073,767	42,611,895	10,768,442	10,652,974	53,842,209	53,264,869
Const Contract Retainage Payable - Noncurrent	-	-	-	-	-	-
<b>TOTAL DEFERRED CREDITS</b>	<b>\$ 43,073,767</b>	<b>\$ 68,708,589</b>	<b>\$ 10,768,442</b>	<b>\$ 17,177,148</b>	<b>\$ 53,842,209</b>	<b>\$ 85,885,737</b>

**CURRENT LIABILITIES**

Current Maturities LT Debt	19,228,900	19,341,400	7,131,100	6,758,600	26,360,000	26,100,000
Current Maturities-Govt Loans	226,546	432,922	2,899,576	2,939,130	3,126,122	3,372,052
Interest on Revenue Bonds	3,392,352	3,243,858	211,864	192,803	3,604,216	3,436,661
Customer Deposits	5,996,096	6,011,107	1,318,749	1,268,215	7,314,845	7,279,322
Accounts Payable	18,303,432	14,687,579	1,550,975	1,290,669	19,854,407	15,978,248



**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**COMBINING UNAUDITED BALANCE SHEET**  
**FOR THE PERIOD ENDING**  
**October 2021 And October 2020**



	ELECTRIC UTILITY		WATER UTILITY		COMBINED	
	Current Period	Last Year	Current Period	Last Year	Current Period	Last Year
Payroll & Payroll Taxes	8,824,889	8,059,291	2,541,926	2,267,539	11,366,815	10,326,830
Benefits & Reclaim	1,074,053	1,045,725	-	-	1,074,053	1,045,725
Accrued Claims Payable Public Liab	269,341	223,805	200,712	199,185	470,053	422,990
Accrued Claims Payable-WC	1,135,696	942,397	423,685	357,337	1,559,381	1,299,734
Other Accrued Liabilities	6,954,486	6,971,173	20,424	23,630	6,974,910	6,994,803
Const Contract Retainage Payable - Current	-	1,311,525	-	442,365	-	1,753,890
Payment in Lieu of Taxes	2,316,649	2,089,418	488,265	460,828	2,804,914	2,550,246
<b>TOTAL CURRENT LIABILITIES</b>	<b>\$ 67,722,440</b>	<b>\$ 64,360,200</b>	<b>\$ 16,787,276</b>	<b>\$ 16,200,301</b>	<b>\$ 84,509,716</b>	<b>\$ 80,560,501</b>
<b>TOTAL LIABILITIES</b>	<b>\$ 664,777,472</b>	<b>\$ 708,152,422</b>	<b>\$ 102,437,176</b>	<b>\$ 118,422,857</b>	<b>\$ 767,214,648</b>	<b>\$ 826,575,279</b>
<b>DEFERRED INFLOWS OF RESOURCES</b>						
Deferred Gain on Bond Refunding	664,474	736,422	181,512	201,835	845,986	938,257
Recovery Fuel/Purchase Power	-	-	-	-	-	-
Deferred Credit Pension	28,327,422	35,178,114	7,081,855	8,794,528	35,409,277	43,972,642
Deferred Credit OPEB	3,043,948	3,720,382	760,987	930,095	3,804,935	4,650,477
<b>TOTAL DEFERRED INFLOWS OF RESOURCES</b>	<b>\$ 32,035,844</b>	<b>\$ 39,634,918</b>	<b>\$ 8,024,354</b>	<b>\$ 9,926,458</b>	<b>\$ 40,060,198</b>	<b>\$ 48,623,119</b>
<b>TOTAL LIABILITIES, NET POSITION AND DEFERRED INFLOWS RESOURCES</b>	<b>\$ 1,046,902,453</b>	<b>\$ 1,090,942,374</b>	<b>\$ 281,732,363</b>	<b>\$ 290,985,967</b>	<b>\$ 1,328,634,816</b>	<b>\$ 1,381,928,341</b>





**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**Statements of Revenues, Expenses, and Change in Net Position**  
**All Operating Unit Values**  
**For The Period Ending October 2021**



Monthly					Year-To-Date & Annual					
Current Period Budget	Current Period Actuals	Actuals as a % of Budget	Prior Year Actuals	Current Actuals over/under Prior Year	Description	2021 Year To Date Budget	2021 Year To Date Actuals	2020 Year To Date Actuals	2021 Annual Budget	Percent Actual To Annual Budget
OPERATING REVENUES										
Sales of Energy and Water										
7,768,987	8,145,902	105%	6,913,412	18%	Residential Sales	84,097,793	86,586,658	86,749,505	98,766,874	88%
8,594,945	9,969,242	116%	8,795,508	13%	Commercial Sales	87,118,315	88,501,233	91,533,806	103,481,080	86%
4,142,548	4,492,484	108%	4,951,900	-9%	Industrial Sales	42,303,807	37,001,218	44,421,758	50,562,089	73%
831,769	1,017,990	122%	713,616	43%	Schools	7,739,774	8,446,649	8,037,585	9,273,360	91%
31,300	34,166	109%	29,315	17%	Highway Lighting	271,300	273,609	278,768	333,900	82%
28,000	28,000	100%	27,800	-	Public Authorities	28,000	28,000	28,000	28,000	100%
48,278	47,359	98%	49,004	-3%	Fire Protection	478,444	507,633	474,810	575,000	88%
21,445,827	23,735,143	111%	21,480,556	10%	Total Sales of Energy and Water	222,037,433	221,345,000	231,524,233	263,020,303	84%
97,900	96,398	98%	87,290	10%	Borderline Electric Sales	992,100	1,058,202	990,395	1,189,100	89%
354,046	212,603	60%	614,445	-65%	Wholesale Market Sales	3,397,551	19,925,092	9,794,028	4,071,462	489%
451,946	309,001	68%	701,735	-56%	Total Other Utility Sales	4,389,651	20,983,294	10,784,422	5,260,562	399%
299,264	67,287	22%	241,424	-72%	Forfeited Discounts	2,557,241	914,275	2,316,729	2,984,935	31%
170,852	267,441	157%	268,142	-	Connect/Disconnect Fees	1,844,937	3,299,616	1,755,978	2,161,664	153%
444,663	19,670	4%	121,524	-84%	Tower/Pole Attachment Rentals	2,232,662	927,947	1,029,523	2,470,000	38%
-	-	-	-	-	Ash Disposal	-	-	-	-	-
4,083	1,648	40%	3,505	-53%	Diversion Fines	37,358	12,934	28,948	45,525	28%
79,819	121,376	152%	36,475	233%	Service Fees	978,362	1,013,903	892,866	1,138,000	89%
15,028	16,094	107%	14,935	8%	Other Miscellaneous Revenues	154,443	(479,883)	81,345	184,500	-260%
-	-	-	-	-	Deferred Revenue-Fuel/PP-Amort	-	11,662,721	5,545,635	-	-
-	-	-	-	-	Deferred Revenue-Fuel/PP-Recog	-	-	-	-	-
1,013,710	493,515	49%	686,004	-28%	Total Other Revenues	7,805,003	17,351,513	11,651,024	8,984,624	193%
2,703,273	2,804,914	104%	2,550,245	10%	Payment In Lieu Of Taxes	27,642,378	26,647,466	27,675,291	32,716,966	81%
2,703,273	2,804,914	104%	2,550,245	10%	Total Payment In Lieu Of Taxes	27,642,378	26,647,466	27,675,291	32,716,966	81%
\$ 25,614,757	\$ 27,342,572	107%	\$ 25,418,541	8%	TOTAL OPERATING REVENUES	\$ 261,874,466	\$ 286,327,273	\$ 281,634,970	\$ 309,982,454	92%



**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**Statements of Revenues, Expenses, and Change in Net Position**  
**All Operating Unit Values**  
**For The Period Ending October 2021**



Monthly					Year-To-Date & Annual					
Current Period Budget	Current Period Actuals	Actuals as a % of Budget	Prior Year Actuals	Current Actuals over/under Prior Year	Description	2021 Year To Date Budget	2021 Year To Date Actuals	2020 Year To Date Actuals	2021 Annual Budget	Percent Actual To Annual Budget
OPERATING EXPENSES										
3,526,211	4,037,846	115%	3,525,197	15%	Production	37,190,966	32,520,478	33,175,121	44,158,152	74%
3,666,193	4,682,952	128%	5,908,361	-21%	Purchased Power	37,061,080	34,562,699	43,158,407	44,696,791	77%
3,110,853	3,621,335	116%	657,850	450%	Fuel	27,289,993	42,716,446	25,071,954	32,418,780	132%
4,024,049	3,777,094	94%	3,833,780	-1%	Transmission and Distribution	40,365,669	36,032,068	35,798,118	48,314,939	75%
480,712	264,241	55%	748,836	-65%	Customer Account Expense	4,823,632	4,627,957	5,225,094	5,784,534	80%
2,526,653	1,896,672	75%	2,003,893	-5%	General and Administrative	25,382,999	20,760,618	20,033,394	30,569,490	68%
3,100,352	3,251,703	105%	3,384,943	-4%	Depreciation and Amortization	30,606,469	32,511,163	30,311,286	36,807,173	88%
-	-	-	-	-	Dfrd Fuel & Purch Power-Amort	-	-	-	-	-
\$ 20,435,023	\$ 21,531,842	105%	\$ 20,062,861	7%	TOTAL OPERATING EXPENSES	\$ 202,720,807	\$ 203,731,430	\$ 192,773,374	\$ 242,749,859	84%
\$ 5,179,733	\$ 5,810,730	112%	\$ 5,355,679	8%	OPERATING INCOME	\$ 59,153,659	\$ 82,595,844	\$ 88,861,597	\$ 67,232,595	123%
NON OPERATING INCOME/EXPENSE										
132,323	6,007	5%	11,030	-46%	Investment Interest	1,684,704	77,902	615,164	1,945,350	4%
(1,802,108)	(1,802,108)	100%	(1,943,267)	-7%	Interest - Long Term Debt	(19,668,858)	(19,909,011)	(24,003,084)	(23,273,074)	86%
(7,000)	(9,236)	132%	(9,142)	1%	Interest - Other	(70,000)	(89,729)	(75,363)	(84,000)	107%
(2,703,273)	(2,804,914)	104%	(2,550,245)	10%	PILOT Transfer Expense	(27,642,378)	(26,647,466)	(27,675,291)	(32,716,966)	81%
-	-	-	-	-	Disposal of Assets-Gain/Loss	-	-	-	-	-
63,905	(11,224)	-18%	25,768	-144%	Other Income	649,070	305,630	382,223	789,000	39%
(35)	-	-	-	-	Other Expense	(354)	24	(1,820,893)	(425)	-6%
\$ (4,316,188)	\$ (4,621,474)	107%	\$ (4,465,856)	3%	TOTAL NONOPERATING INCOME/EXPENSES	\$ (45,047,817)	\$ (46,262,650)	\$ (52,577,244)	\$ (53,340,115)	87%
\$ 863,545	\$ 1,189,256	138%	\$ 889,823	34%	INCOME BEFORE TRANSFER & CONTRIB.	\$ 14,105,842	\$ 36,333,194	\$ 36,284,353	\$ 13,892,480	262%
TRANSFER AND CONTRIBUTION TO/FROM										
37,500	-	-	20,065	-100%	NExch-Main, Design & Ext Fee	375,000	952,442	735,178	450,000	212%
\$ 901,045	\$ 1,189,256	132%	\$ 909,888	31%	TOTAL CHANGE IN NET POSITION	\$ 14,480,842	\$ 37,285,636	\$ 37,019,531	\$ 14,342,480	260%





**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**Statements of Revenues, Expenses, and Change in Net Position**  
**E-Electric**  
**For The Period Ending October 2021**



Monthly					Year-To-Date & Annual					
Current Period Budget	Current Period Actuals	Actuals as a % of Budget	Prior Year Actuals	Current Actuals over/under Prior Year	Description	2021 Year To Date Budget	2021 Year To Date Actuals	2020 Year To Date Actuals	2021 Annual Budget	Percent Actual To Annual Budget
OPERATING REVENUES										
Sales of Energy and Water										
5,748,000	6,029,696	105%	4,722,354	28%	Residential Sales	63,762,000	65,800,556	65,770,871	74,539,000	88%
7,547,000	8,879,652	118%	7,802,841	14%	Commercial Sales	77,597,000	79,028,276	82,034,038	92,238,000	86%
3,602,000	3,982,074	111%	4,400,004	-9%	Industrial Sales	37,098,000	32,183,497	39,059,108	44,362,000	73%
747,000	931,118	125%	654,438	42%	Schools	7,175,000	7,935,124	7,543,146	8,615,000	92%
31,300	34,166	109%	29,315	17%	Highway Lighting	271,300	273,609	278,768	333,900	82%
-	-	-	-	-	Public Authorities	-	-	-	-	-
-	-	-	-	-	Fire Protection	-	-	-	-	-
17,675,300	19,856,705	112%	17,608,953	13%	Total Sales of Energy and Water	185,903,300	185,221,061	194,685,931	220,087,900	84%
97,900	96,398	98%	87,290	10%	Borderline Electric Sales	992,100	1,058,202	990,395	1,189,100	89%
220,833	-	-	441,401	-100%	Wholesale Market Sales	2,208,333	18,799,014	8,492,905	2,650,000	709%
318,733	96,398	30%	528,691	-82%	Total Other Utility Sales	3,200,433	19,857,216	9,483,299	3,839,100	517%
238,707	53,829	23%	193,139	-72%	Forfeited Discounts	2,066,707	731,420	1,853,383	2,408,000	30%
141,417	247,495	175%	246,115	-	Connect/Disconnect Fees	1,570,267	3,080,302	1,516,513	1,831,100	168%
423,099	19,670	5%	86,143	-77%	Tower/Pole Attachment Rentals	1,945,791	704,369	789,942	2,140,000	33%
-	-	-	-	-	Ash Disposal	-	-	-	-	-
3,083	712	23%	2,993	-76%	Diversion Fines	30,833	8,375	19,888	37,000	23%
6,579	1,600	24%	850	88%	Service Fees	111,842	17,500	11,850	125,000	14%
14,708	15,228	104%	14,935	2%	Other Miscellaneous Revenues	147,083	(408,029)	78,522	176,500	-231%
-	-	-	-	-	Deferred Revenue-Fuel/PP-Amort	-	11,662,721	5,545,635	-	-
-	-	-	-	-	Deferred Revenue-Fuel/PP-Recog	-	-	-	-	-
827,593	338,535	41%	544,175	-38%	Total Other Revenues	5,872,524	15,796,658	9,815,733	6,717,600	235%
2,212,156	2,316,649	105%	2,089,418	11%	Payment In Lieu Of Taxes	22,927,185	22,106,072	23,128,600	27,116,482	82%
2,212,156	2,316,649	105%	2,089,418	11%	Total Payment In Lieu Of Taxes	22,927,185	22,106,072	23,128,600	27,116,482	82%
\$ 21,033,782	\$ 22,608,286	107%	\$ 20,771,237	9%	TOTAL OPERATING REVENUES	\$ 217,903,442	\$ 242,981,007	\$ 237,113,564	\$ 257,761,082	94%



**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**Statements of Revenues, Expenses, and Change in Net Position**  
**E-Electric**  
**For The Period Ending October 2021**



Monthly					Year-To-Date & Annual					
Current Period Budget	Current Period Actuals	Actuals as a % of Budget	Prior Year Actuals	Current Actuals over/under Prior Year	Description	2021 Year To Date Budget	2021 Year To Date Actuals	2020 Year To Date Actuals	2021 Annual Budget	Percent Actual To Annual Budget
OPERATING EXPENSES										
2,971,910	3,531,111	119%	3,071,571	15%	Production	31,436,614	27,860,112	28,524,064	37,285,133	75%
3,666,193	4,682,952	128%	5,908,361	-21%	Purchased Power	37,061,080	34,562,699	43,158,407	44,696,791	77%
3,110,853	3,621,335	116%	657,850	450%	Fuel	27,289,993	42,716,446	25,071,954	32,418,780	132%
2,809,048	2,581,864	92%	2,602,870	-	Transmission and Distribution	28,029,369	24,373,540	24,825,171	33,548,923	73%
302,029	104,270	35%	537,624	-81%	Customer Account Expense	3,031,568	2,916,370	3,460,717	3,635,256	80%
1,973,112	1,460,859	74%	1,550,769	-6%	General and Administrative	19,834,517	16,132,237	15,369,376	23,861,412	68%
2,439,215	2,554,425	105%	2,693,979	-5%	Depreciation and Amortization	23,995,106	25,533,681	23,772,635	28,873,537	88%
-	-	-	-	-	Dfrd Fuel & Purch Power-Amort	-	-	-	-	-
\$ 17,272,362	\$ 18,536,816	107%	\$ 17,023,025	9%	TOTAL OPERATING EXPENSES	\$ 170,678,246	\$ 174,095,084	\$ 164,182,324	\$ 204,319,832	85%
\$ 3,761,421	\$ 4,071,470	108%	\$ 3,748,212	9%	OPERATING INCOME	\$ 47,225,196	\$ 68,885,923	\$ 72,931,240	\$ 53,441,250	129%
NON OPERATING INCOME/EXPENSE										
101,127	4,872	5%	8,906	-45%	Investment Interest	1,372,745	63,642	511,753	1,571,000	4%
(1,696,176)	(1,696,176)	100%	(1,805,887)	-6%	Interest - Long Term Debt	(17,717,573)	(17,825,447)	(20,967,384)	(21,109,925)	84%
(6,250)	(7,593)	121%	(7,558)	-	Interest - Other	(62,500)	(73,829)	(59,872)	(75,000)	98%
(2,212,156)	(2,316,649)	105%	(2,089,418)	11%	PILOT Transfer Expense	(22,927,185)	(22,106,072)	(23,128,600)	(27,116,482)	82%
-	-	-	-	-	Disposal of Assets-Gain/Loss	-	-	-	-	-
58,989	(11,698)	-20%	25,591	-146%	Other Income	599,903	268,380	401,421	730,000	37%
(35)	-	-	-	-	Other Expense	(354)	24	(1,453,408)	(425)	-6%
\$ (3,754,501)	\$ (4,027,244)	107%	\$ (3,868,367)	4%	TOTAL NONOPERATING INCOME/EXPENSES	\$ (38,734,964)	\$ (39,673,302)	\$ (44,696,090)	\$ (46,000,833)	86%
\$ 6,919	\$ 44,227	639%	\$ (120,154)	-137%	INCOME BEFORE TRANSFER & CONTRIB.	\$ 8,490,232	\$ 29,212,621	\$ 28,235,150	\$ 7,440,418	393%
TRANSFER AND CONTRIBUTION TO/FROM										
-	-	-	-	-	NExch-Main, Design & Ext Fee	-	-	-	-	-
\$ 6,919	\$ 44,227	639%	\$ (120,154)	-137%	TOTAL CHANGE IN NET POSITION	\$ 8,490,232	\$ 29,212,621	\$ 28,235,150	\$ 7,440,418	393%





**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**Statements of Revenues, Expenses, and Change in Net Position**  
**W-Water**  
**For The Period Ending October 2021**



Monthly					Year-To-Date & Annual					
Current Period Budget	Current Period Actuals	Actuals as a % of Budget	Prior Year Actuals	Current Actuals over/under Prior Year	Description	2021 Year To Date Budget	2021 Year To Date Actuals	2020 Year To Date Actuals	2021 Annual Budget	Percent Actual To Annual Budget
OPERATING REVENUES										
Sales of Energy and Water										
2,020,987	2,116,207	105%	2,191,058	-3%	Residential Sales	20,335,793	20,786,102	20,978,634	24,227,874	86%
1,047,945	1,089,590	104%	992,667	10%	Commercial Sales	9,521,315	9,472,957	9,499,769	11,243,080	84%
540,548	510,410	94%	551,896	-8%	Industrial Sales	5,205,807	4,817,721	5,362,650	6,200,089	78%
84,769	86,873	102%	59,178	47%	Schools	564,774	511,526	494,439	658,360	78%
-	-	-	-	-	Highway Lighting	-	-	-	-	-
28,000	28,000	100%	27,800	-	Public Authorities	28,000	28,000	28,000	28,000	100%
48,278	47,359	98%	49,004	-3%	Fire Protection	478,444	507,633	474,810	575,000	88%
3,770,527	3,878,438	103%	3,871,603	-	Total Sales of Energy and Water	36,134,133	36,123,939	36,838,302	42,932,403	84%
-	-	-	-	-	Borderline Electric Sales	-	-	-	-	-
133,213	212,603	160%	173,044	23%	Wholesale Market Sales	1,189,218	1,126,078	1,301,123	1,421,462	79%
133,213	212,603	160%	173,044	23%	Total Other Utility Sales	1,189,218	1,126,078	1,301,123	1,421,462	79%
60,557	13,457	22%	48,285	-72%	Forfeited Discounts	490,534	182,855	463,346	576,935	32%
29,435	19,946	68%	22,027	-9%	Connect/Disconnect Fees	274,670	219,314	239,465	330,564	66%
21,564	-	-	35,381	-100%	Tower/Pole Attachment Rentals	286,871	223,577	239,581	330,000	68%
-	-	-	-	-	Ash Disposal	-	-	-	-	-
1,000	936	94%	511	83%	Diversion Fines	6,525	4,559	9,060	8,525	53%
73,240	119,776	164%	35,625	236%	Service Fees	866,520	996,403	881,016	1,013,000	98%
320	866	271%	-	-	Other Miscellaneous Revenues	7,360	(71,854)	2,823	8,000	-898%
-	-	-	-	-	Deferred Revenue-Fuel/PP-Amort	-	-	-	-	-
-	-	-	-	-	Deferred Revenue-Fuel/PP-Recog	-	-	-	-	-
186,117	154,980	83%	141,829	9%	Total Other Revenues	1,932,480	1,554,855	1,835,291	2,267,024	69%
491,117	488,265	99%	460,828	6%	Payment In Lieu Of Taxes	4,715,193	4,541,394	4,546,691	5,600,484	81%
491,117	488,265	99%	460,828	6%	Total Payment In Lieu Of Taxes	4,715,193	4,541,394	4,546,691	5,600,484	81%
\$ 4,580,974	\$ 4,734,286	103%	\$ 4,647,304	2%	TOTAL OPERATING REVENUES	\$ 43,971,024	\$ 43,346,266	\$ 44,521,407	\$ 52,221,372	83%



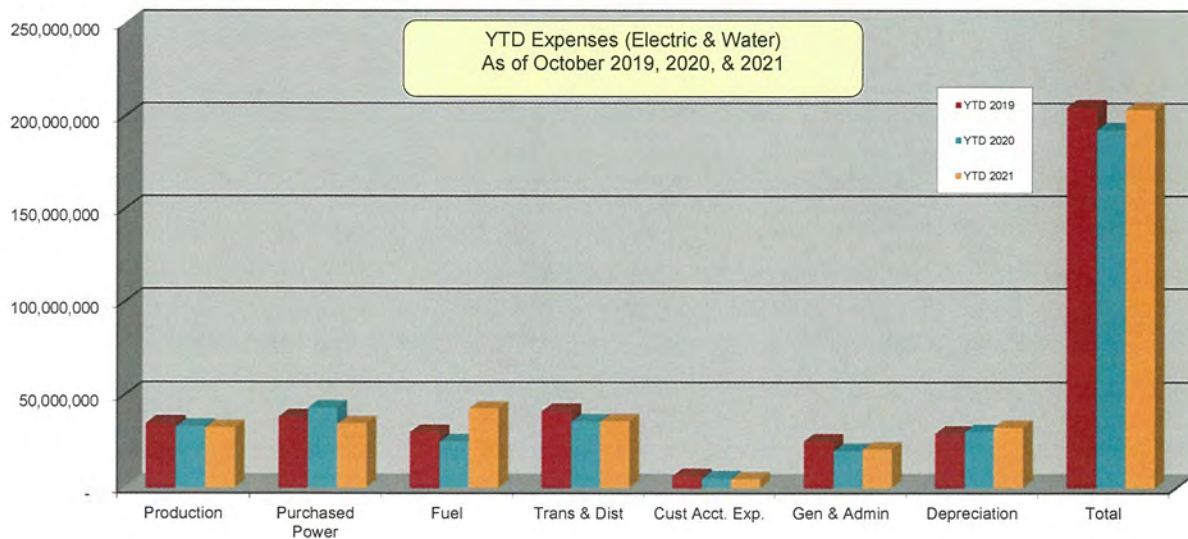
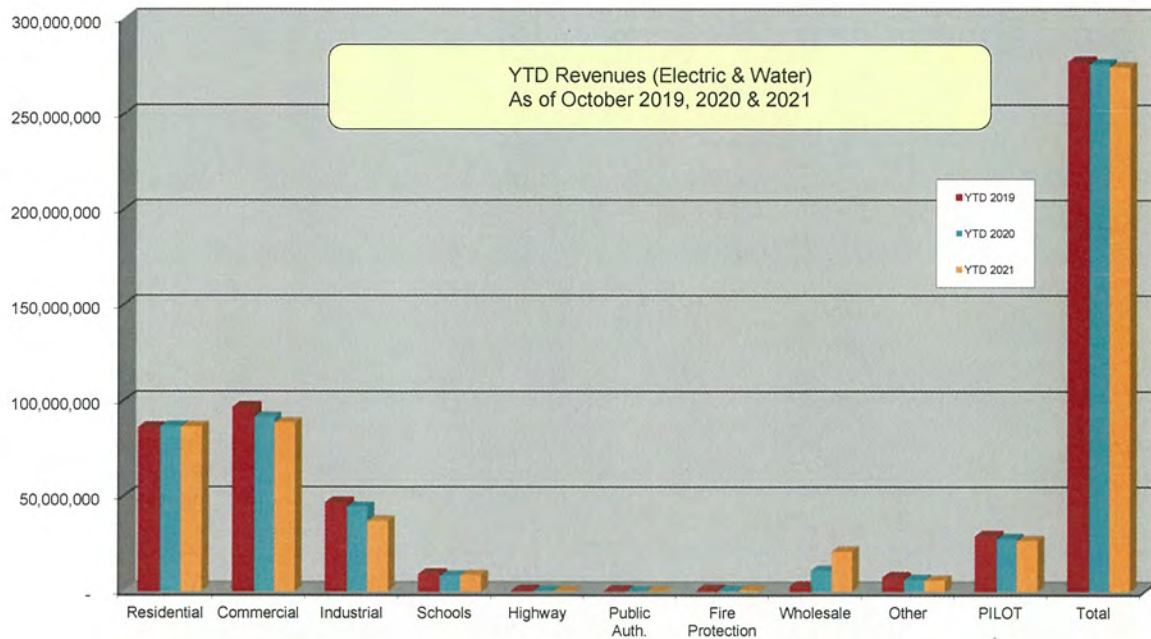
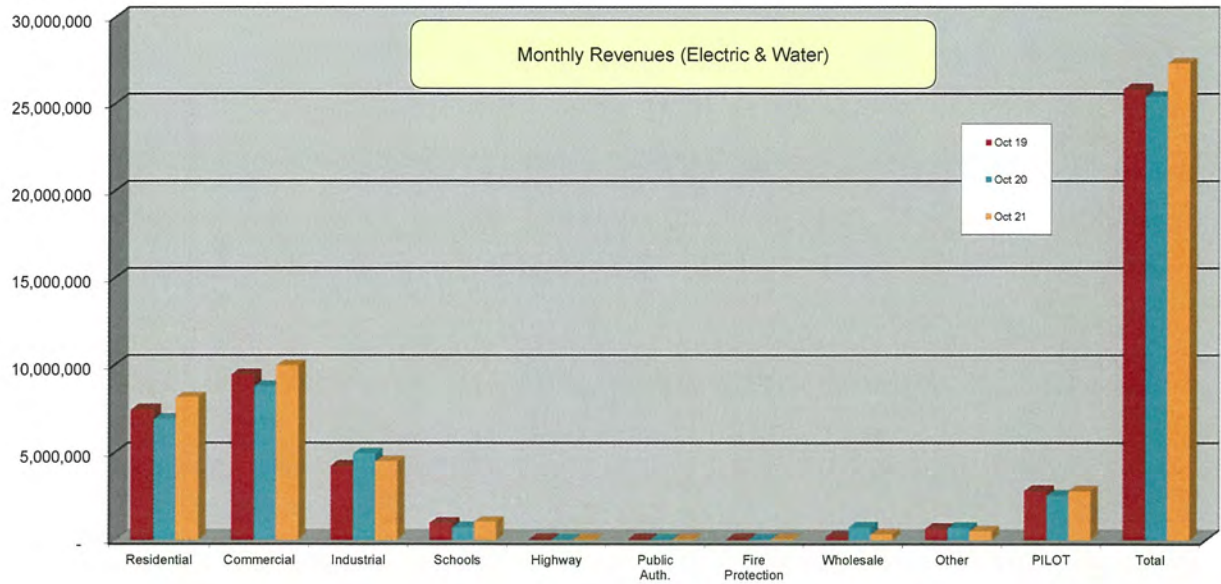
**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**Statements of Revenues, Expenses, and Change in Net Position**  
**W-Water**  
**For The Period Ending October 2021**



Monthly					Year-To-Date & Annual					
Current Period Budget	Current Period Actuals	Actuals as a % of Budget	Prior Year Actuals	Current Actuals over/under Prior Year	Description	2021 Year To Date Budget	2021 Year To Date Actuals	2020 Year To Date Actuals	2021 Annual Budget	Percent Actual To Annual Budget
OPERATING EXPENSES										
554,301	506,735	91%	453,626	12%	Production	5,754,352	4,660,367	4,651,057	6,873,019	68%
-	-	-	-	-	Purchased Power	-	-	-	-	-
-	-	-	-	-	Fuel	-	-	-	-	-
1,215,001	1,195,229	98%	1,230,910	-3%	Transmission and Distribution	12,336,300	11,658,528	10,972,947	14,766,017	79%
178,682	159,971	90%	211,212	-24%	Customer Account Expense	1,792,064	1,711,587	1,764,377	2,149,277	80%
553,541	435,813	79%	453,124	-4%	General and Administrative	5,548,482	4,628,381	4,664,018	6,708,078	69%
661,136	697,278	105%	690,965	-	Depreciation and Amortization	6,611,363	6,977,482	6,538,651	7,933,636	88%
-	-	-	-	-	Dfrd Fuel & Purch Power-Amort	-	-	-	-	-
\$ 3,162,662	\$ 2,995,026	95%	\$ 3,039,837	-1%	TOTAL OPERATING EXPENSES	\$ 32,042,561	\$ 29,636,345	\$ 28,591,050	\$ 38,430,026	77%
\$ 1,418,312	\$ 1,739,260	123%	\$ 1,607,467	8%	OPERATING INCOME	\$ 11,928,463	\$ 13,709,921	\$ 15,930,357	\$ 13,791,345	99%
NON OPERATING INCOME/EXPENSE										
31,196	1,135	4%	2,124	-47%	Investment Interest	311,958	14,260	103,411	374,350	4%
(105,932)	(105,932)	100%	(137,380)	-23%	Interest - Long Term Debt	(1,951,285)	(2,083,564)	(3,035,700)	(2,163,148)	96%
(750)	(1,643)	219%	(1,583)	4%	Interest - Other	(7,500)	(15,900)	(15,491)	(9,000)	177%
(491,117)	(488,265)	99%	(460,828)	6%	PILOT Transfer Expense	(4,715,193)	(4,541,394)	(4,546,691)	(5,600,484)	81%
-	-	-	-	-	Disposal of Assets-Gain/Loss	-	-	-	-	-
4,917	474	10%	177	168%	Other Income	49,167	37,251	(19,197)	59,000	63%
-	-	-	-	-	Other Expense	-	-	(367,485)	-	-
\$ (561,687)	\$ (594,230)	106%	\$ (597,489)	-	TOTAL NONOPERATING INCOME/EXPENSES	\$ (6,312,853)	\$ (6,589,348)	\$ (7,881,154)	\$ (7,339,282)	90%
\$ 856,626	\$ 1,145,030	134%	\$ 1,009,977	13%	INCOME BEFORE TRANSFER & CONTRIB.	\$ 5,615,610	\$ 7,120,573	\$ 8,049,203	\$ 6,452,063	110%
TRANSFER AND CONTRIBUTION TO/FROM										
37,500	-	-	20,065	-100%	NExch-Main, Design & Ext Fee	375,000	952,442	735,178	450,000	212%
\$ 894,126	\$ 1,145,030	128%	\$ 1,030,042	11%	TOTAL CHANGE IN NET POSITION	\$ 5,990,610	\$ 8,073,015	\$ 8,784,381	\$ 6,902,063	117%

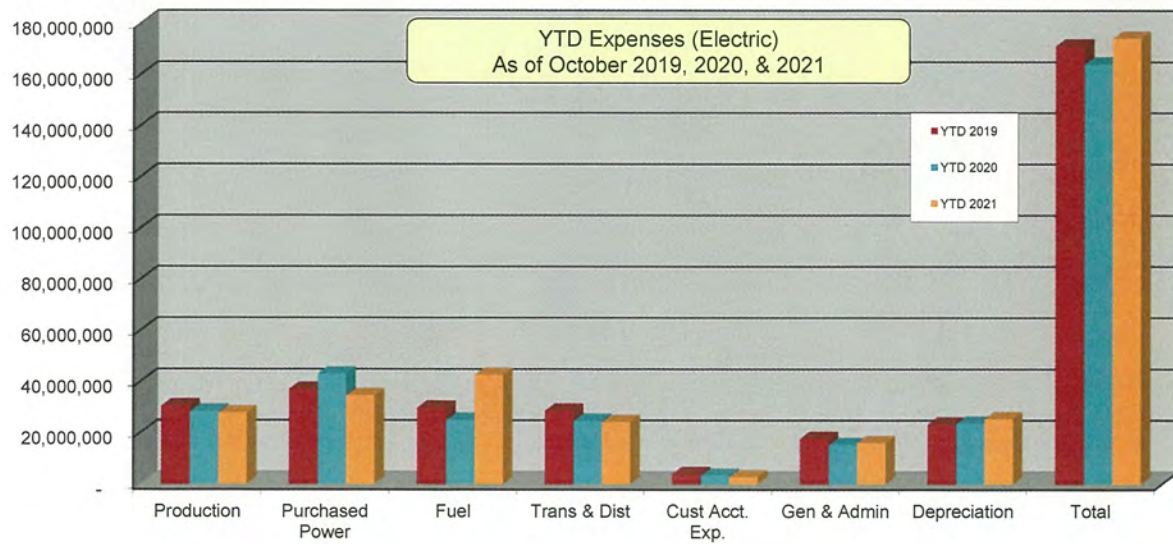
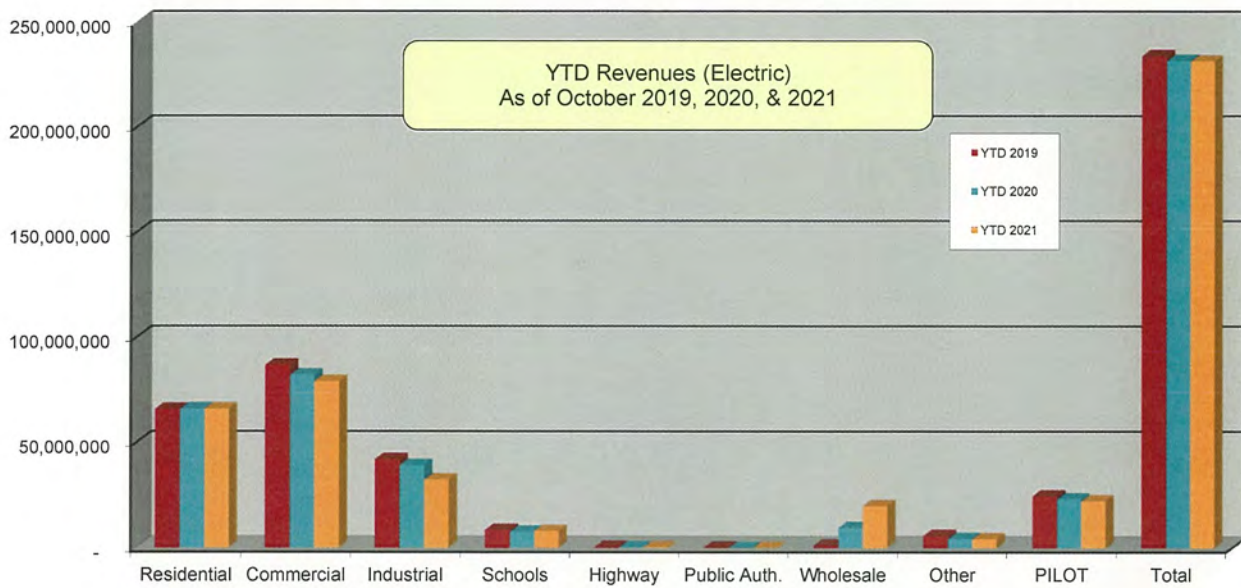
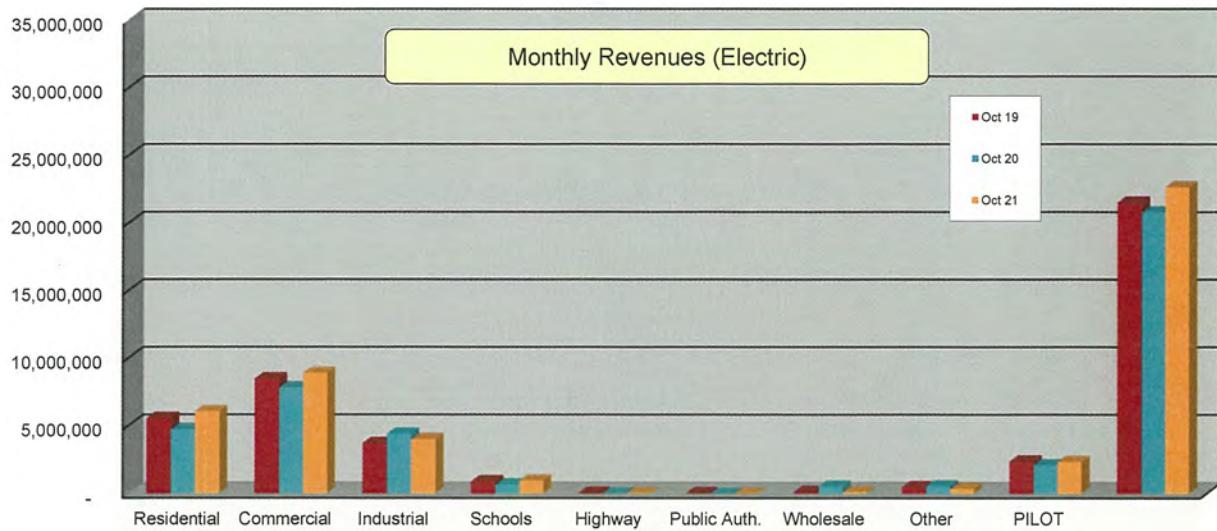


COMBINED (Electric/Water)  
October 31, 2021

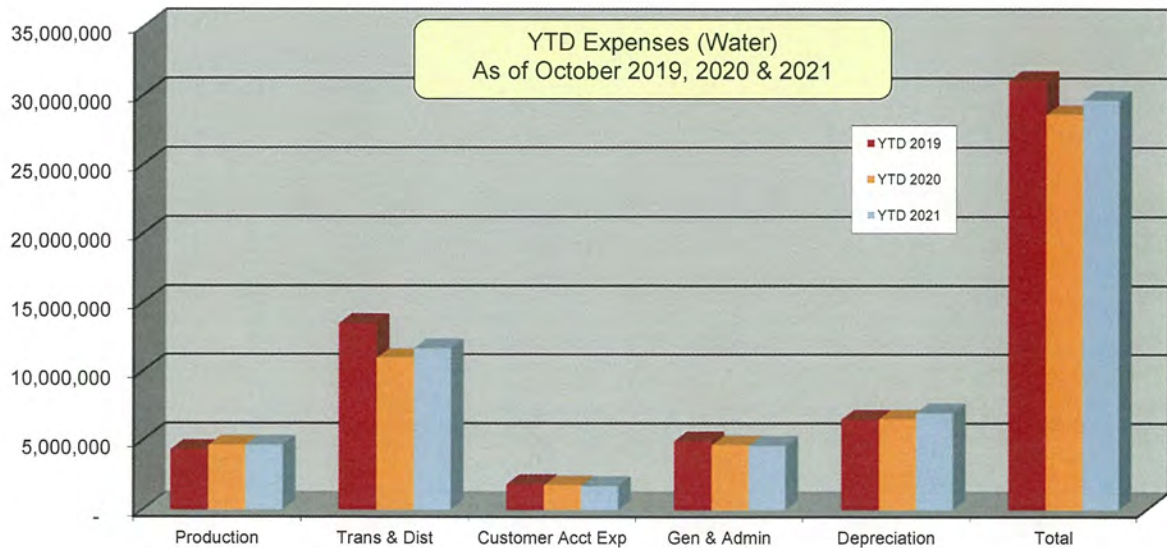
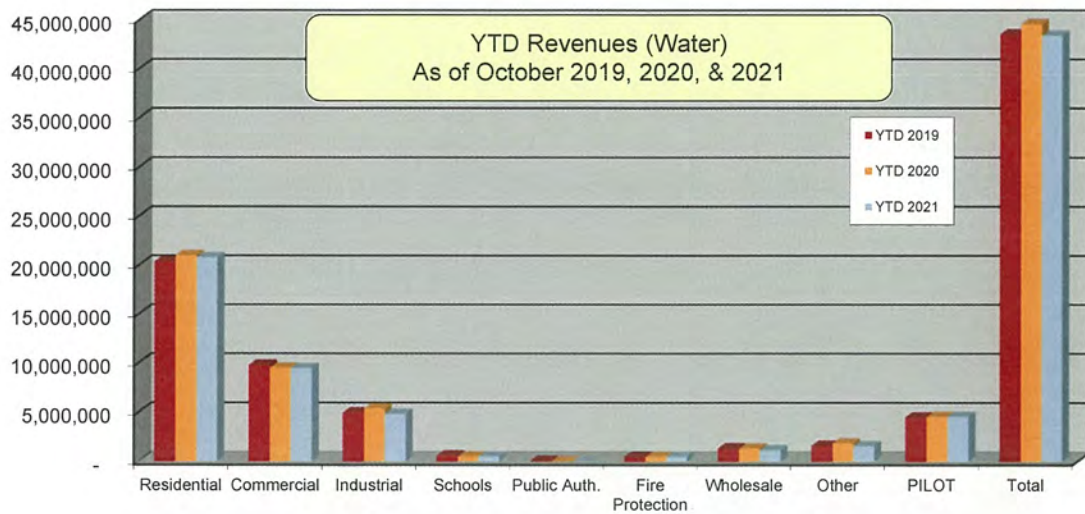
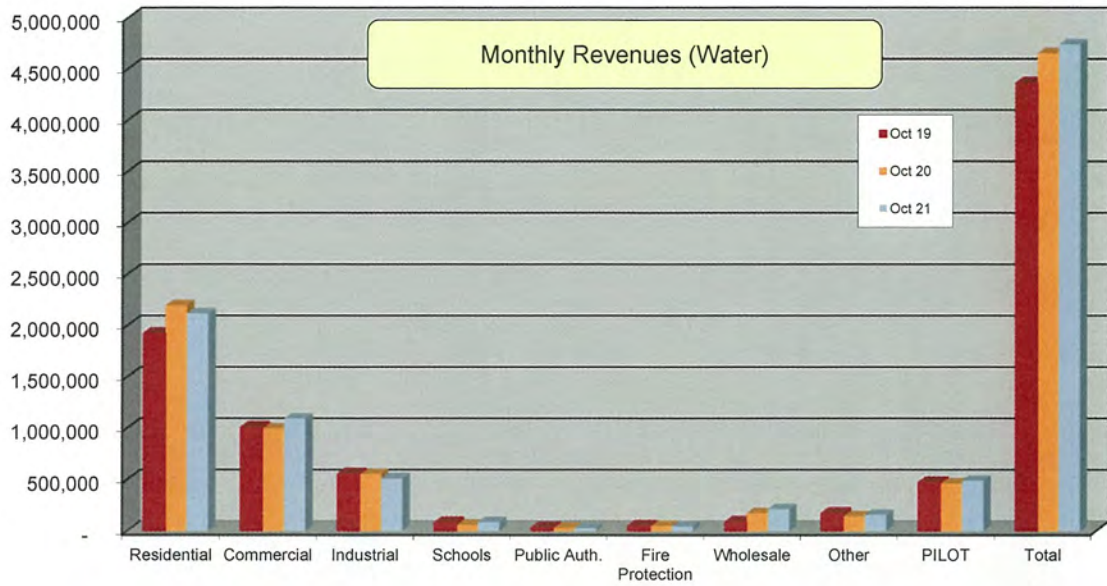




Electric  
October 31, 2021



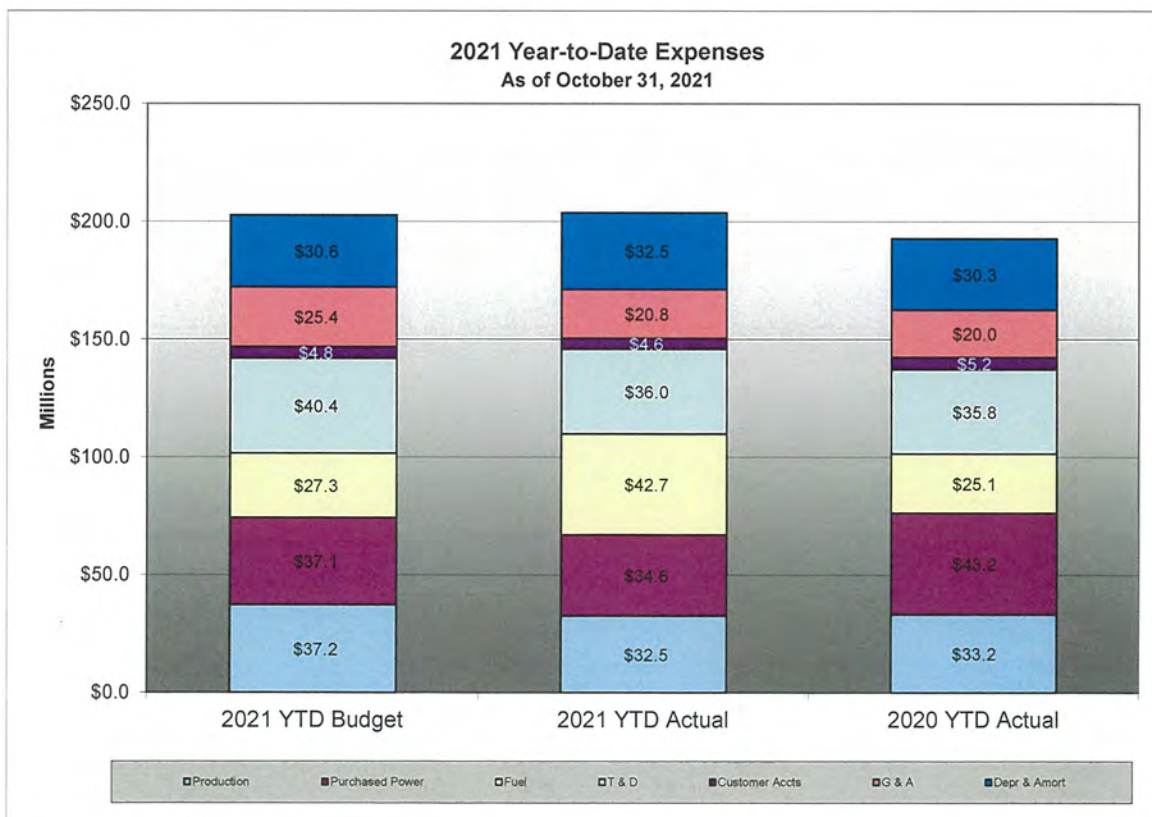
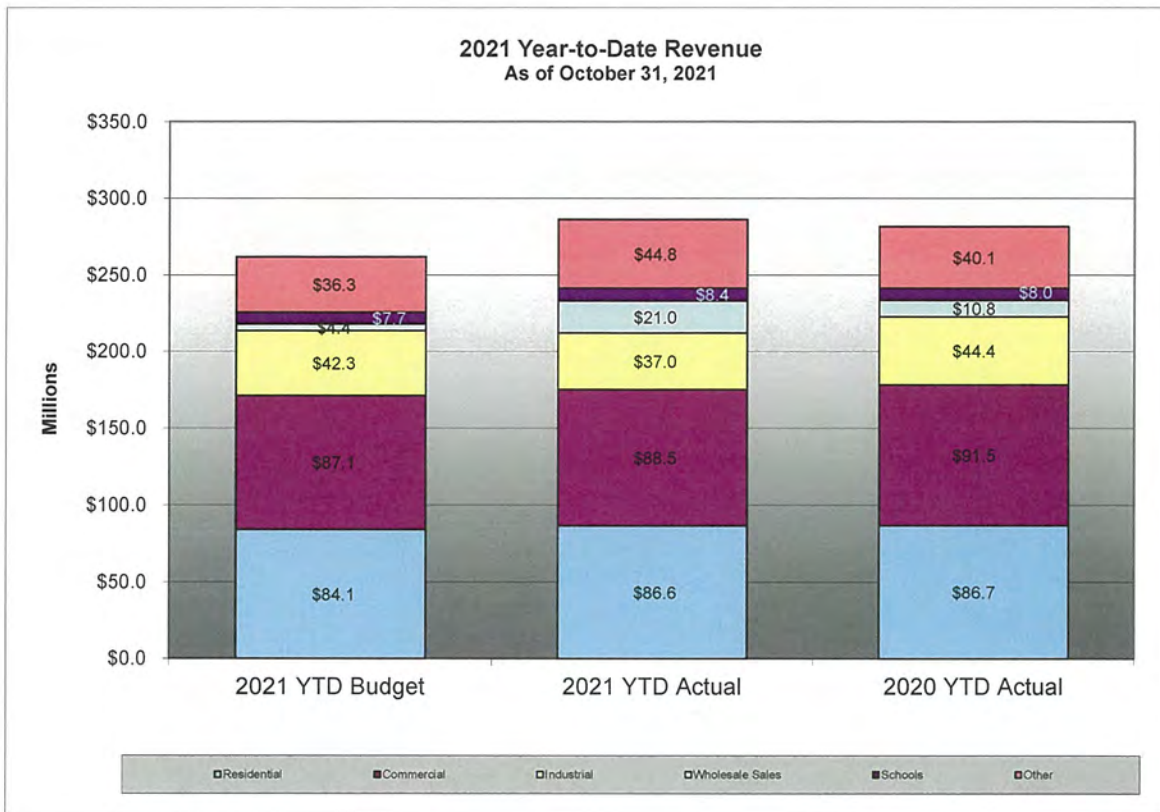
Water  
October 31, 2021



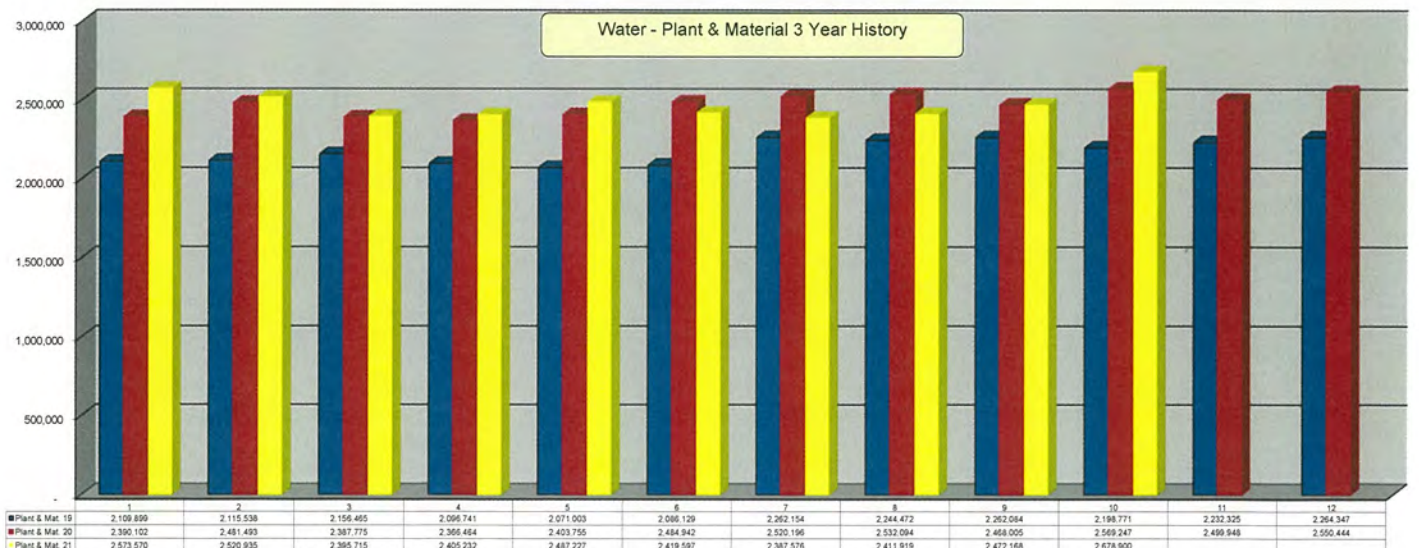
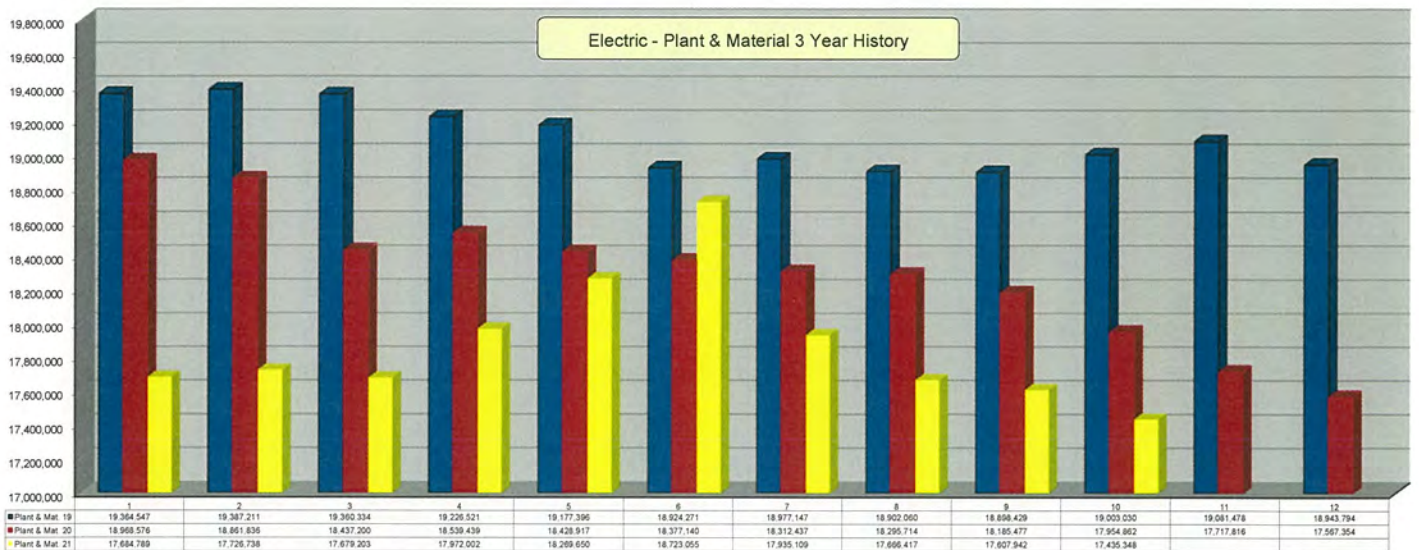
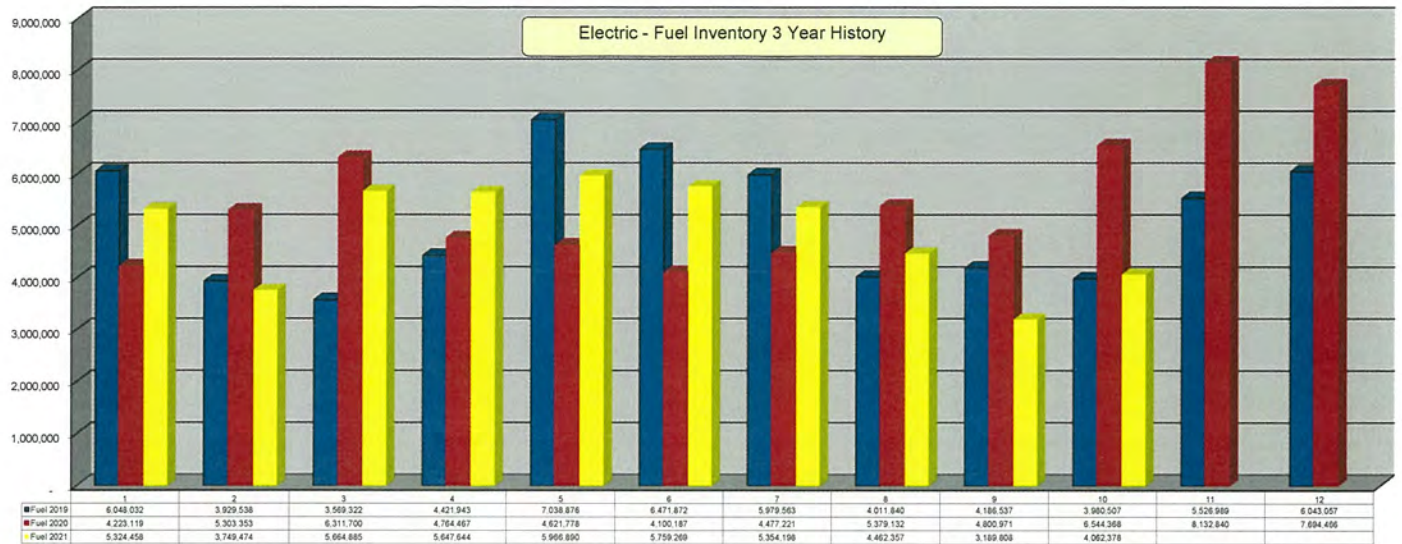


## YTD Revenues and Expenses

October 31, 2021

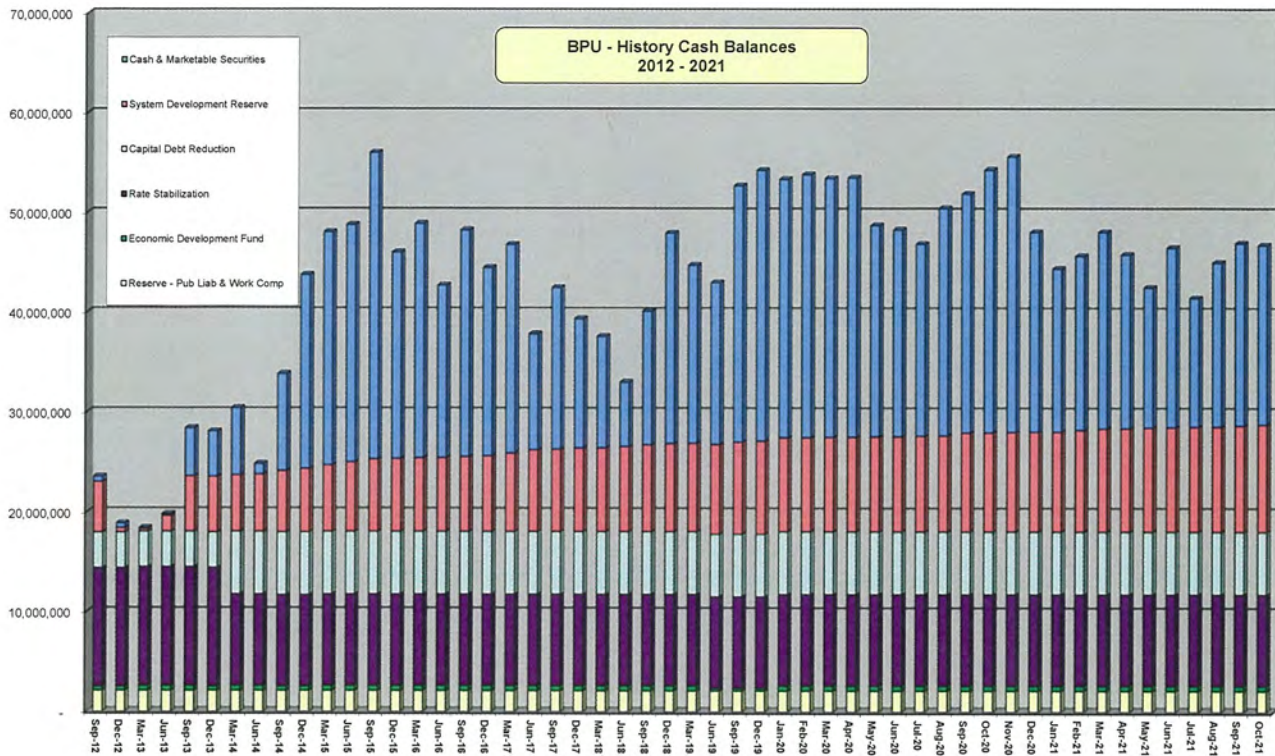


BPU - Inventory  
October 31, 2021





# Cash Balances October 31, 2021





**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**Budget Comparison**  
**October 2021**

	2021 BUDGET	TOTAL ACTUAL	BUDGET AVAILABLE	% REMAINING
<b>PERSONNEL</b>				
1010-Regular Labor	47,785,101	35,758,540	12,026,561	25.17%
1020-Overtime/Special Pay	4,506,450	3,046,474	1,459,975	32.40%
1030-Health Care/Medical Benefit	10,767,713	8,117,031	2,650,682	24.62%
1040-Medical Insurance-Retirees	3,040,132	2,916,667	123,465	4.06%
1050-Pension Benefit	6,040,320	3,366,569	2,673,751	44.27%
1070-Life Insurance Benefit	763,503	696,639	66,864	8.76%
1080-Unemployment Benefit	47,844	40,124	7,720	16.14%
1090-OASDI/HI (FICA)	3,599,505	3,030,639	568,866	15.80%
1100-Liability Insurance/Work Co	1,170,705	1,478,149	(307,444)	(26.26)%
1110-Compensatory Balance Reserve	1,092,041	1,139,255	(47,214)	(4.32)%
1130-Disability Pay Benefit	550,648	472,853	77,795	14.13%
1140-Employee Education Assistance	60,000	51,349	8,651	14.42%
1170-Board Per Diem	6,000	-	6,000	100.00%
1180-Long-Term Care	83,291	79,389	3,902	4.68%
1990-Other Employee Benefits	55,000	248,517	(193,517)	(351.85)%
<b>TOTAL PERSONNEL</b>	<b>79,568,253</b>	<b>60,442,194</b>	<b>19,126,059</b>	<b>24.04%</b>
<b>SERVICES</b>				
2010-Tree Trimming Services	2,675,615	1,263,829	1,411,786	52.76%
2011-Contract Line Services	2,000	6	1,994	99.71%
2020-Legal Services	503,000	320,610	182,390	36.26%
2030-Engineering Services	1,811,800	1,003,300	808,500	44.62%
2040-Accounting/Costing Services	12,000	11,557	443	3.69%
2050-Auditing Services	295,000	208,717	86,283	29.25%
2060-Actuarial Services	16,500	6,630	9,870	59.82%
2070-Banking/Cash Mgmt/Treasury	785,500	761,898	23,602	3.00%
2080-Financial Advisory	36,000	17,000	19,000	52.78%
2090-General Management Services	110,000	108,147	1,853	1.68%
2100-Human Resource Services	244,100	116,659	127,441	52.21%
2110-Environmental Services	856,004	561,158	294,846	34.44%
2130-Computer Hardware Maintenance	314,600	197,072	117,528	37.36%
2131-Computer Software Maintenance	4,197,349	3,165,506	1,031,843	24.58%
2140-Advertising/Marketing/Sales	431,000	191,239	239,761	55.63%
2150-Janitorial Services	904,200	719,684	184,516	20.41%
2151-Trash Disposal	49,610	25,309	24,301	48.98%
2160-Travel/Training/Safety	840,020	277,701	562,319	66.94%
2170-Outside Printing & Duplicating	322,350	74,866	247,484	76.77%
2180-Insurance Services	2,000,000	1,763,809	236,191	11.81%
2190-Dues/Memberships/Subscription	390,645	227,899	162,746	41.66%
2200-Telecommunications Services	454,091	289,150	164,941	36.32%
2210-Clerical/Office/Tech Services	169,700	239,070	(69,370)	(40.88)%
2211-Copier Services	85,400	68,209	17,191	20.13%
2220-Security Services	1,986,550	1,456,597	529,953	26.68%
2230-Collection Services	90,000	60,960	29,040	32.27%
2240-Building Maintenance Service	1,392,721	1,090,631	302,090	21.69%
2241-Building Maint Srvc - HVAC	184,383	118,138	66,245	35.93%
2242-Building Maint Srvc - Elevator	72,316	67,456	4,860	6.72%
2243-Pest & Bird Control	4,290	-	4,290	100.00%
2244-Grounds Maintenance	77,480	50,506	26,974	34.81%
2250-Mailing/Shipping Services	96,250	173,527	(77,277)	(80.29)%
2260-Meter Testing/Protection	5,400	2,794	2,606	48.26%
2270-Public Notice	38,250	47,080	(8,830)	(23.09)%
2282-IT Prof Contracted Services	1,844,800	1,340,704	504,096	27.33%
2300-Equipment Maintenance	800,325	566,531	233,794	29.21%





**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**Budget Comparison**  
**October 2021**

	2021 BUDGET	TOTAL ACTUAL	BUDGET AVAILABLE	% REMAINING
2310-City Wide Yard Restoration	55,000	30,990	24,010	43.66%
2320-City Street Repairs	1,000,000	734,846	265,154	26.52%
2330-Right Of Way/Easements	112,000	99,983	12,017	10.73%
2340-Auxiliary Boiler Maintenance	3,500	15,402	(11,902)	(340.05)%
2351-Control System Support Service	120,000	60,522	59,478	49.56%
2360-Other Power Plant Maint	-	7,335	(7,335)	-
2370-Liab-Inj Damages	1,283,000	1,184,534	98,466	7.67%
2380-Sponsorships	584,600	178,630	405,970	69.44%
2390-Risk Mngmnt & Consulting Srv	5,000	-	5,000	100.00%
2500-Dogwood Gas Plant O&M	5,150,142	2,613,164	2,536,978	49.26%
2990-Other Professional Services	819,472	453,500	365,972	44.66%
<b>TOTAL SERVICES</b>	<b>33,231,963</b>	<b>21,972,853</b>	<b>11,259,109</b>	<b>33.88%</b>

**FUELS**

3010-Main Flame Fuel	30,688,780	40,478,483	(9,789,703)	(31.90)%
3012-Building Heat Fuel	1,500	461	1,039	69.29%
3020-Start Up Fuel	600,000	864,245	(264,245)	(44.04)%
3025-AQC - Reagents	1,130,000	1,373,718	(243,718)	(21.57)%
3030-Ash Handling	1,200,000	1,256,045	(56,045)	(4.67)%
3040-On Road Vehicle Fuel	425,000	391,329	33,671	7.92%
3050-Purchase Power Energy	4,800,000	3,222,886	1,577,114	32.86%
3055-Purchased Power - Renewables	28,743,687	23,073,510	5,670,177	19.73%
3070-Purch Pwr Capacity NonEconomic	4,653,104	3,699,177	953,927	20.50%
3080-Purchased Power Transmission	7,200,000	5,199,084	2,000,916	27.79%
3110-Off Road Fuel	107,500	111,332	(3,832)	(3.56)%
3600-Renewable Energy Certificates	(700,000)	(631,959)	(68,041)	(9.72)%
3990-Other Purchased Power	259,600	113,204	146,396	56.39%
<b>TOTAL FUELS</b>	<b>79,109,171</b>	<b>79,151,516</b>	<b>(42,345)</b>	<b>-</b>

**SUPPLIES**

4000-Supplies	-	3,093	(3,093)	-
4010-Office Supplies & Materials	194,250	77,392	116,858	60.16%
4020-Laboratory Supplies	30,000	21,882	8,118	27.06%
4030-Janitorial Supplies	28,800	16,817	11,983	41.61%
4040-Comp/Srvr/Ntwrk Hrdwr Equip	1,007,370	435,216	572,154	56.80%
4041-Comp/Srvr/Ntwrk Sftwr & Lic	81,100	14,948	66,152	81.57%
4050-Small Tools & Machinery	257,300	210,244	47,057	18.29%
4060-Water Treatment Chemicals	611,400	370,787	240,613	39.35%
4070-Ferric Chemicals	160,000	69,891	90,109	56.32%
4080-Lime/Caustic Chemicals	125,000	95,161	29,839	23.87%
4090-Chlorine Chemicals	210,000	131,441	78,559	37.41%
4100-Other Chemicals & Supplies	182,000	71,423	110,577	60.76%
4110-Clothing/Uniforms	180,600	363,085	(182,485)	(101.04)%
4120-Vehicle/Machinery Parts	556,100	508,689	47,411	8.53%
4130-Building/Structural Supplies	628,500	379,911	248,589	39.55%
4131-Bldg/StrctI Supp-Leeves/Dikes	95,000	34,800	60,200	63.37%
4132-Bldg/StrctI Supp-Roads/Rails	195,000	143,034	51,966	26.65%
4133-Bld/StrctI Supp-Filter Srvcs	27,500	19,965	7,535	27.40%
4140-Plant Equipment	223,700	183,371	40,329	18.03%
4150-T&D Equipment	2,000	438	1,562	78.08%
4160-Office Equipment	21,750	13,807	7,943	36.52%
4170-Electric Usage	-	41,540	(41,540)	-
4180-Water Usage	-	9,617	(9,617)	-
4190-Environmental Supplies	64,700	95,724	(31,024)	(47.95)%
4195-Flue Gas Treatment	375,000	130,445	244,555	65.21%
4200-Hazardous Waste Supplies	1,350	234	1,116	82.64%
4210-Safety Supplies	88,600	58,915	29,684	33.50%
4220-Communication Supplies	58,500	25,536	32,964	56.35%



**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**Budget Comparison**  
**October 2021**

	2021 BUDGET	TOTAL ACTUAL	BUDGET AVAILABLE	% REMAINING
4230-Meter Parts & Supplies	107,500	48,669	58,831	54.73%
4240-Billing Supplies	13,170	40,304	(27,134)	(206.03)%
4250-General Parts & Supplies	15,000	2,897	12,103	80.69%
4251-General Parts & Supp Coal Conv	280,000	75,850	204,150	72.91%
4252-General Parts & Supp Coal Dust	10,000	488	9,512	95.12%
4253-General Parts & Supp Wash-Down	4,000	10,063	(6,063)	(151.58)%
4260-Transmission Parts & Supplies	85,000	14,107	70,894	83.40%
4270-Distribution Parts & Supplies	2,449,200	2,856,915	(407,715)	(16.65)%
4280-Books/Manuals/Reference	12,850	2,642	10,208	79.44%
4300-Boiler Maint-Forced Outages	270,000	336,929	(66,929)	(24.79)%
4301-Boiler Maint-Elec & Control	137,000	188,246	(51,246)	(37.41)%
4302-Boiler Maint-Mechanical	600,000	376,779	223,221	37.20%
4303-Boiler Maint-Motor	60,000	525	59,475	99.13%
4304-Boiler Maint-Steel & Duct	410,000	18,123	391,877	95.58%
4305-Boiler Maint-Coal & Ash	395,000	439,915	(44,916)	(11.37)%
4306-Boiler Maint-Boiler Cleaning	250,000	71,653	178,347	71.34%
4307-Boiler Maint-Insulation	200,000	149,772	50,228	25.11%
4308-Boiler Maint-Planned Outages	300,000	130,020	169,980	56.66%
4309-Boiler Maint-Lab Equip	48,900	37,858	11,042	22.58%
4310-Turbine Maintenance	648,240	122,322	525,918	81.13%
4320-Balance Of Plant Maintenance	744,600	742,137	2,463	-
4321-Balance of Plant Mnt-Comp Air	38,000	25,467	12,533	32.98%
4322-Balance of Plant Mnt-Crane Svc	18,500	1,467	17,033	92.07%
4323-Balance of Plant Mnt-Comm	10,500	31,054	(20,554)	(195.75)%
4324-Balance of Plant Mnt-Pumps	83,000	14,536	68,464	82.49%
4325-Balance Plant Mnt-Mechanical	47,000	44,365	2,635	5.61%
4326-Balance Plant Mnt-Electrical	65,000	50,307	14,693	22.60%
4327-Balance Plant Mnt-Chem Feed	30,000	15,827	14,173	47.24%
4328-Balance Plant Mnt-Risk Mngmnt	40,000	41,992	(1,992)	(4.98)%
4329-Balance Plant Mnt-Filters	6,000	-	6,000	100.00%
4330-Compressed Gases	162,000	147,206	14,794	9.13%
4990-Other Parts & Supplies	38,150	19,124	19,026	49.87%
<b>TOTAL SUPPLIES</b>	<b>12,984,130</b>	<b>9,584,964</b>	<b>3,399,166</b>	<b>26.18%</b>
<b>OTHER</b>				
5020-Demand Side Management Program	50,000	-	50,000	100.00%
5060-Other Board Expenses	10,000	12,438	(2,438)	(24.38)%
5080-Doubtful Account Expense	705,000	286,900	418,100	59.30%
5110-Outside Regulatory Expenses	246,770	157,941	88,829	36.00%
5150-WPA Billing Credit	(550,000)	(394,378)	(155,622)	(28.29)%
5200-NERC Reliability Compliance	587,400	5,839	581,561	99.01%
5900-Payment In Lieu of Taxes	32,716,966	26,647,466	6,069,500	18.55%
<b>TOTAL OTHER</b>	<b>33,766,136</b>	<b>26,716,206</b>	<b>7,049,930</b>	<b>20.88%</b>
<b>TOTAL EXPENSES</b>	<b>238,659,653</b>	<b>197,867,733</b>	<b>40,791,920</b>	<b>17.09%</b>





# KANSAS CITY BOARD OF PUBLIC UTILITIES

## Construction Summary

### As Of Oct-21

PROJECT DESCRIPTION	BUDGET AMOUNT	YTD EXPENDED	REMAINING BALANCE	% REMAINING
<b><u>All Common Capital Projects</u></b>				
Admin Services Technology	495,000	320,328	174,672	35%
<b>ADMINISTRATIVE SERVICES</b>	<b>\$495,000</b>	<b>\$320,328</b>	<b>\$174,672</b>	<b>35%</b>
540 Minnesota Facilities	113,000	37,961	75,039	66%
<b>COMMON FACILITIES IMPROVEMENTS</b>	<b>\$113,000</b>	<b>\$37,961</b>	<b>\$75,039</b>	<b>66%</b>
Admin Building Furnish & Equip	27,500	6,787	20,713	75%
<b>COMMON FURNISHINGS AND EQUIPMENT</b>	<b>\$27,500</b>	<b>\$6,787</b>	<b>\$20,713</b>	<b>75%</b>
540 Minnesota Grounds	124,750	-	124,750	100%
<b>COMMON GROUNDS</b>	<b>\$124,750</b>	<b>\$0</b>	<b>\$124,750</b>	<b>100%</b>
IT Enterprise Technology Dev	300,000	180,523	119,477	40%
IT Desktop/Network Development	543,500	787,105	(243,605)	-
IT Security Improvements	295,000	10,190	284,810	97%
IT ESB Development	250,000	167,783	82,217	33%
IT EAM Development	350,000	174,928	175,072	50%
IT BI/Analytics Enhancements	200,000	138,668	61,332	31%
IT Mobile Barcode System Upgrade	50,000	-	50,000	100%
IT AMI Upgrade	25,000	-	25,000	100%
IT HCM Upgrade	200,000	129,509	70,491	35%
IT Hyperion Upgrade	60,000	165,302	(105,302)	-



# **KANSAS CITY BOARD OF PUBLIC UTILITIES** **Construction Summary** **As Of Oct-21**

PROJECT DESCRIPTION	BUDGET AMOUNT	YTD EXPENDED	REMAINING BALANCE	% REMAINING
IT Meter-to-Cash Development	500,000	384,681	115,319	23%
IT Rollout Identity Management	80,000	-	80,000	100%
IT Virtual Desktop for Enterprise	50,000	-	50,000	100%
IT DR Infrastructure	120,000	234,179	(114,179)	-
IT DR for Security	175,000	-	175,000	100%
IT DR Development	195,000	143,178	51,822	27%
IT GIS Enhancements	150,000	66,060	83,940	56%
IT Business Portal Development	50,000	63,219	(13,219)	-
IT Enterprise Wireless Mobility	150,000	-	150,000	100%
IT Data Warehouse Deployment	50,000	-	50,000	100%
IT Document Management Development	40,000	37,650	2,350	6%
IT Enterprise Technology Development	25,000	9,201	15,799	63%
IT General Systems Enhancements	120,000	21,778	98,222	82%
IT Project Management Application	120,000	-	120,000	100%
IT Analog to Digital Services	150,000	36,011	113,989	76%
IT IVR Service Development	75,000	-	75,000	100%
IT Mobile Device Management(MDM)	80,000	-	80,000	100%
IT Security Operations Center(SOC) Development	90,000	29,311	60,689	67%
IT Virtual Desktop Deployment	50,000	-	50,000	100%
MDMS Upgrade	500,000	46,785	453,215	91%
<b>ENTERPRISE TECHNOLOGY</b>	<b>\$5,043,500</b>	<b>\$2,826,061</b>	<b>\$2,217,439</b>	<b>44%</b>
Security Improvements	110,000	2,317	107,683	98%
<b>HUMAN RESOURCES SECURITY</b>	<b>\$110,000</b>	<b>\$2,317</b>	<b>\$107,683</b>	<b>98%</b>
<b>All Common Capital Projects</b>	<b>\$5,913,750</b>	<b>\$3,193,454</b>	<b>\$2,720,296</b>	<b>46%</b>



# KANSAS CITY BOARD OF PUBLIC UTILITIES Construction Summary As Of Oct-21

PROJECT DESCRIPTION	BUDGET AMOUNT	YTD EXPENDED	REMAINING BALANCE	% REMAINING
<b><u>All Electric Capital Projects</u></b>				
Dogwood Capital Costs	792,000	1,617,470	(825,470)	-
<b>DOGWOOD PLANT COMMON</b>	<b>\$792,000</b>	<b>\$1,617,470</b>	<b>(\$825,470)</b>	<b>(104)%</b>
Annual Meter Program	1,000,000	425,066	574,934	57%
<b>ELECTRIC METERS</b>	<b>\$1,000,000</b>	<b>\$425,066</b>	<b>\$574,934</b>	<b>57%</b>
Electric Ops Automobiles	100,000	59,228	40,772	41%
Electric Ops Facility Improvements	750,000	234,233	515,767	69%
Electric Ops Furnishings & Equipment	10,000	-	10,000	100%
Electric Ops Grounds	5,000	5,456	(456)	-
IVR and Outage Management System	100,000	-	100,000	100%
Electric Ops Radio	25,000	12,222	12,778	51%
Electric Ops Security Systems	1,000	-	1,000	100%
Electric Ops Technology	200,000	-	200,000	100%
Electric Ops Tools	100,000	41,558	58,442	58%
Electric Ops Work Equipment	750,000	627,538	122,462	16%
<b>ELECTRIC OPS GENERAL CONSTRUCTION</b>	<b>\$2,041,000</b>	<b>\$980,235</b>	<b>\$1,060,765</b>	<b>52%</b>
OH Distribution Automation	250,000	945	249,055	100%
Piper OH Feeders	3,062,500	993,838	2,068,662	68%
Pole Inspections	500,000	65,413	434,587	87%
EO Remove BPU Trans and Sub Equipment from Cust Buildings	1,000	377	623	62%



**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**Construction Summary**  
**As Of Oct-21**

PROJECT DESCRIPTION	BUDGET AMOUNT	YTD EXPENDED	REMAINING BALANCE	% REMAINING
Annual OH Construction	2,013,814	636,583	1,377,231	68%
<b>ELECTRIC OVERHEAD DISTRIBUTION</b>	<b>\$5,827,314</b>	<b>\$1,697,156</b>	<b>\$4,130,158</b>	<b>71%</b>
Electric Prod Work Equipment	350,000	261,211	88,789	25%
<b>ELECTRIC PROD GENERAL CONSTRUCTION</b>	<b>\$350,000</b>	<b>\$261,211</b>	<b>\$88,789</b>	<b>25%</b>
Annual Reimbursable Construction	100,000	14,669	85,331	85%
Indian Springs	5,000	-	5,000	100%
Reardon Center Redevelopment	5,000	-	5,000	100%
Rock Island Bridge Project	5,000	-	5,000	100%
Schlitterbahn	5,000	8,239	(3,239)	-
Urban Outfitters	5,000	844,171	(839,171)	-
West Legends Apartment Complex #3	5,000	-	5,000	100%
Woodlands	5,000	680,131	(675,131)	-
<b>ELECTRIC REIMBURSABLE</b>	<b>\$135,000</b>	<b>\$1,547,210</b>	<b>(\$1,412,210)</b>	<b>(1,046)%</b>
Storms - Electric Repairs	1,000	575,749	(574,749)	-
<b>ELECTRIC STORM EXPENSE</b>	<b>\$1,000</b>	<b>\$575,749</b>	<b>(\$574,749)</b>	<b>(57,475)%</b>
Substation Trans LTC Retrofit	25,000	19,725	5,275	21%
Substation Breakers	100,000	-	100,000	100%
Substation Relays	100,000	91,447	8,553	9%
Substation Improvements	200,000	139,066	60,934	30%
Substation Security	100,000	41,117	58,883	59%





# KANSAS CITY BOARD OF PUBLIC UTILITIES Construction Summary As Of Oct-21

PROJECT DESCRIPTION	BUDGET AMOUNT	YTD EXPENDED	REMAINING BALANCE	% REMAINING
Substation Transformer Oil	5,000	-	5,000	100%
EO Substation Battery Upgrades	40,000	20,154	19,846	50%
EO New Kaw 161kV Substation	50,000	-	50,000	100%
Fisher Sub - Decommission	200,000	(16,750)	216,750	108%
Speaker Sub Switchgear	500,000	-	500,000	100%
<b>ELECTRIC SUBSTATION</b>	<b>\$1,320,000</b>	<b>\$294,759</b>	<b>\$1,025,241</b>	<b>78%</b>
Overhead Transformers	500,000	147,199	352,801	71%
Underground Transformers	1,000,000	630,602	369,398	37%
<b>ELECTRIC TRANSFORMERS</b>	<b>\$1,500,000</b>	<b>\$777,801</b>	<b>\$722,199</b>	<b>48%</b>
Transmission Line FO Additions	310,000	14,547	295,453	95%
Misc Transmission Projects	250,000	196,892	53,108	21%
EO Victory West to Quindaro Trans Line	625,000	366	624,634	100%
EO Victory West to Maywood Trans Line	625,000	41,712	583,288	93%
69kV Mill Street - Kaw Backup Circuit	500,000	-	500,000	100%
<b>ELECTRIC TRANSMISSION</b>	<b>\$2,310,000</b>	<b>\$253,517</b>	<b>\$2,056,483</b>	<b>89%</b>
Downtown UG Rebuild	250,000	131,233	118,767	48%
Fisher UG Feeders	7,490,000	921,459	6,568,541	88%
Legends UG Feeders	500,000	278,034	221,966	44%
American Royal UG	5,000	-	5,000	100%
Distribution Pole Inspection Replacement	2,250,000	2,028,257	221,743	10%
Barber Switchgear #2 UG Feeder Exits - Bond 2020A	2,250,000	429,643	1,820,357	81%
G&W Distr Switch Replacement	2,000,000	952,396	1,047,604	52%



**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**Construction Summary**  
**As Of Oct-21**

PROJECT DESCRIPTION	BUDGET AMOUNT	YTD EXPENDED	REMAINING BALANCE	% REMAINING
Annual UG Construction	1,512,395	946,881	565,514	37%
<b>ELECTRIC UNDERGROUND DISTRIBUTION</b>	<b>\$16,257,395</b>	<b>\$5,687,903</b>	<b>\$10,569,492</b>	<b>65%</b>
Street Light Improvements	100,000	17,207	82,793	83%
Traffic Signal Improvements	20,000	-	20,000	100%
Unified Govt OH Construction	20,000	3,337	16,663	83%
Unified Govt UG Distribution	20,000	38,519	(18,519)	-
EO Levee Rebuild Along Kansas River	1,200,000	39,290	1,160,710	97%
EO Turner Diagonal/I70 Rebuild Interchange	1,000	2,035	(1,035)	-
<b>ELECTRIC UNIFIED GOVERNMENT PROJECTS</b>	<b>\$1,361,000</b>	<b>\$100,388</b>	<b>\$1,260,612</b>	<b>93%</b>
Telecommunications Technology	50,000	-	50,000	100%
<b>ENTERPRISE TELECOMMUNICATIONS</b>	<b>\$50,000</b>	<b>\$0</b>	<b>\$50,000</b>	<b>100%</b>
NC Coal Conveyor Belt - Replacement	150,000	-	150,000	100%
NC Coal Handling System Relay Upgrade	58,503	12,303	46,200	79%
NC Fire Protection System Upgrade	2,779,919	1,768,427	1,011,492	36%
<b>NEARMAN PLANT COMMON</b>	<b>\$2,988,422</b>	<b>\$1,780,730</b>	<b>\$1,207,692</b>	<b>40%</b>
CT4 Hydraulic Oil & Lube Oil Varnish Removal	177,901	4,311	173,590	98%
<b>NEARMAN PLANT CT4</b>	<b>\$177,901</b>	<b>\$4,311</b>	<b>\$173,590</b>	<b>98%</b>



# KANSAS CITY BOARD OF PUBLIC UTILITIES Construction Summary As Of Oct-21

PROJECT DESCRIPTION	BUDGET AMOUNT	YTD EXPENDED	REMAINING BALANCE	% REMAINING
N1 No 5 FWH Replacement	130,000	7,663	122,337	94%
N1 5KV Cables Replacement	180,102	252,364	(72,262)	-
N1 DCS Evergreen	15,000	-	15,000	100%
N1 Drum & Heater Inst Upgrade	545,984	70,047	475,937	87%
N1 MCC/Load Center Replace	859,837	156,997	702,840	82%
N1 GSU Bushing/Arrestor Upgrade	205,102	158,506	46,596	23%
N1 Simulator Upgrade to 3.7	159,973	151,836	8,137	5%
<b>NEARMAN PLANT UNIT 1</b>	<b>\$2,095,998</b>	<b>\$797,413</b>	<b>\$1,298,585</b>	<b>62%</b>
QC Levee Improvements per COE	265,000	312,633	(47,633)	-
<b>QUINDARO PLANT COMMON</b>	<b>\$265,000</b>	<b>\$312,633</b>	<b>(\$47,633)</b>	<b>(18)%</b>
CT2 Air Inlet Duct Replacement	213,982	45,975	168,007	79%
CT2 RTU to Schweitzer Upgrade	43,503	-	43,503	100%
<b>QUINDARO PLANT CT2</b>	<b>\$257,485</b>	<b>\$45,975</b>	<b>\$211,510</b>	<b>82%</b>
CT3 Air Inlet Duct Replacement	213,982	47,291	166,691	78%
<b>QUINDARO PLANT CT3</b>	<b>\$213,982</b>	<b>\$47,291</b>	<b>\$166,691</b>	<b>78%</b>
<b>All Electric Capital Projects</b>	<b>\$38,943,497</b>	<b>\$17,206,818</b>	<b>\$21,736,679</b>	<b>56%</b>



# KANSAS CITY BOARD OF PUBLIC UTILITIES

## Construction Summary

### As Of Oct-21

PROJECT DESCRIPTION	BUDGET AMOUNT	YTD EXPENDED	REMAINING BALANCE	% REMAINING
<b><u>All Water Capital Projects</u></b>				
Water Main Adjustment-Billable	6,800	27,467	(20,667)	-
Water Development Main Expense	350,000	980,611	(630,611)	-
<b>REIMBURSABLE WATER MAINS</b>	<b>\$356,800</b>	<b>\$1,008,078</b>	<b>(\$651,278)</b>	<b>(183)%</b>
Water Distrib System Relocations	265,000	1,099,656	(834,656)	-
Water Distrib System Improvements	727,842	1,037,937	(310,095)	-
UG/CMIP Water Distrib Projects	2,242,273	738,796	1,503,477	67%
Water Distrib Valve Improvements	522,667	442,684	79,983	15%
Water Distrib Fire Hydrant Program	495,984	389,627	106,357	21%
Non Revenue Water Leak Detection	200,000	20,870	179,130	90%
Water Distrib Leak Project	1,433,485	138,045	1,295,440	90%
<b>WATER DISTRIBUTION</b>	<b>\$5,887,251</b>	<b>\$3,867,615</b>	<b>\$2,019,636</b>	<b>34%</b>
Water Automobiles	44,000	-	44,000	100%
Water Radios	7,000	-	7,000	100%
Water Tools	100,000	-	100,000	100%
Water Work Equipment	125,000	-	125,000	100%
<b>WATER EQUIPMENT</b>	<b>\$276,000</b>	<b>\$0</b>	<b>\$276,000</b>	<b>100%</b>
Civil Engineering Facility Improvement	60,000	5,292	54,708	91%
Water Oper Facility Improvement	306,535	177,838	128,697	42%
Water Prod Facility Improvement	455,000	295,210	159,790	35%





**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**Construction Summary**  
**As Of Oct-21**

PROJECT DESCRIPTION	BUDGET AMOUNT	YTD EXPENDED	REMAINING BALANCE	% REMAINING
<b>WATER FACILITY IMPROVEMENTS</b>	<b>\$821,535</b>	<b>\$478,340</b>	<b>\$343,195</b>	<b>42%</b>
Civil Engineering Furnishings & Equipment	10,000	-	10,000	100%
Water Oper Furnishings & Equipment	14,000	1,053	12,947	92%
Water Prod Furnishings & Equipment	113,000	-	113,000	100%
<b>WATER FURNISHINGS AND EQUIPMENT</b>	<b>\$137,000</b>	<b>\$1,053</b>	<b>\$135,947</b>	<b>99%</b>
Civil Engineering Grounds	5,000	-	5,000	100%
Water Operations Grounds	75,000	25,481	49,519	66%
Water Production Grounds	7,000	-	7,000	100%
<b>WATER GROUNDS</b>	<b>\$87,000</b>	<b>\$25,481</b>	<b>\$61,519</b>	<b>71%</b>
AMI-Automated Meter Reading	83,662	(18,166)	101,828	122%
6"-10" Water Meter Replacement	249,569	128,729	120,840	48%
1-1/2"-4" Water Meter Replacement	259,569	152,385	107,184	41%
5/8"-1" Water Meter Replacement	124,813	81,430	43,383	35%
12" & Over Water Meter Replacement	25,000	324	24,676	99%
<b>WATER METERS</b>	<b>\$742,613</b>	<b>\$344,702</b>	<b>\$397,911</b>	<b>54%</b>
QWTP Decommission Plant	25,000	-	25,000	100%
NWTP Misc Projects	100,000	20,147	79,853	80%
NWTP Raw Water Pump Rehab	250,000	181	249,819	100%
<b>WATER PRODUCTION PROJECTS</b>	<b>\$375,000</b>	<b>\$20,328</b>	<b>\$354,672</b>	<b>95%</b>

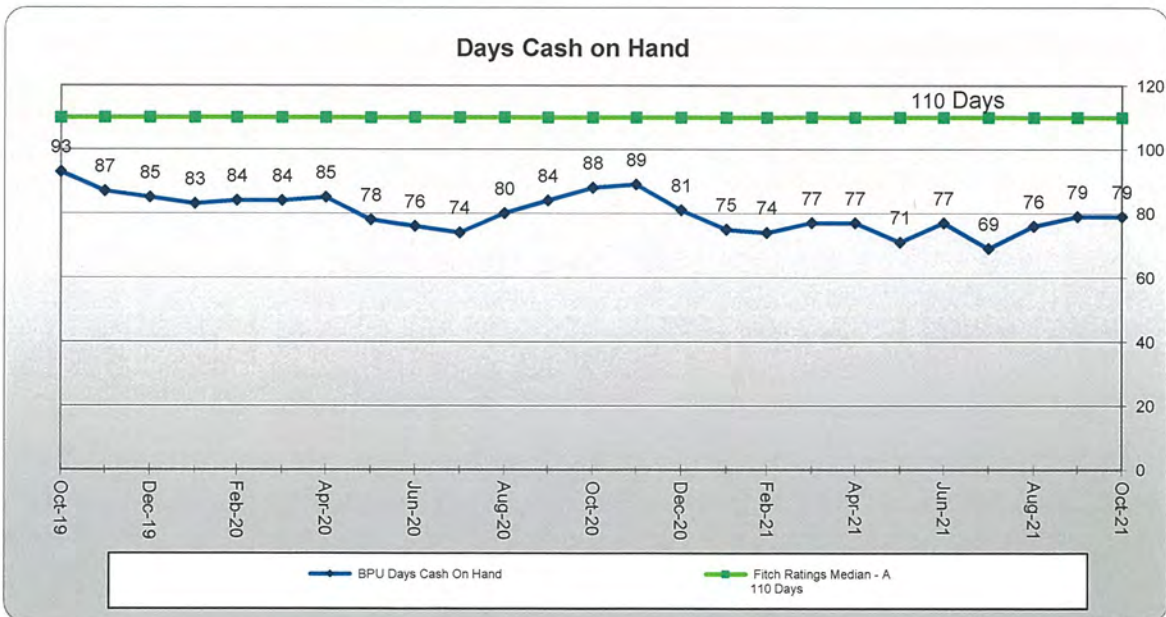
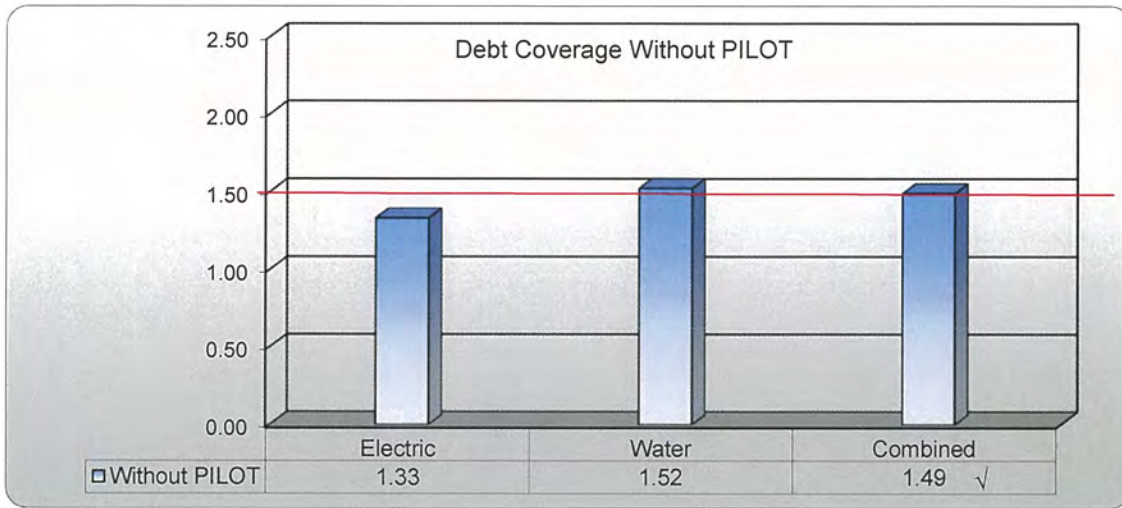
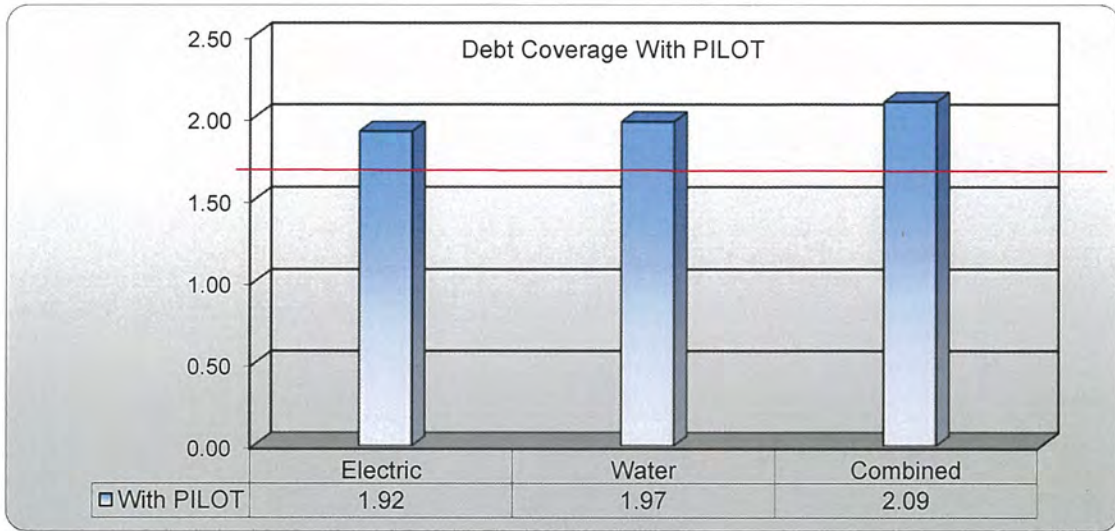


**KANSAS CITY BOARD OF PUBLIC UTILITIES**  
**Construction Summary**  
**As Of Oct-21**

PROJECT DESCRIPTION	BUDGET AMOUNT	YTD EXPENDED	REMAINING BALANCE	% REMAINING
3" - 6" Water Service Replacement	24,000	12,000	12,000	50%
1-1/4" - 2" Water Service Replacement	62,000	10,763	51,237	83%
3/4"-1" Water Service Replacement	656,617	534,964	121,653	19%
8" & Over Water Service Replacement	30,000	20,575	9,425	31%
<b>WATER SERVICES</b>	<b>\$772,617</b>	<b>\$578,302</b>	<b>\$194,315</b>	<b>25%</b>
Argentine 7 MG Tank Replace	2,000,000	340,004	1,659,996	83%
Water Storage Improvements	325,000	472	324,528	100%
Water Transmission Improvement	109,000	53,693	55,307	51%
Water Transmission Valve Improve	126,000	7,719	118,281	94%
UG/CMIP Water Transmission Projects	2,700	31,934	(29,234)	-
WO Trans Main 98th & Parallel	205,501	14,243	191,258	93%
<b>WATER STORAGE AND TRANSMISSION</b>	<b>\$2,768,201</b>	<b>\$448,065</b>	<b>\$2,320,136</b>	<b>84%</b>
Civil Engineering Technology	50,000	14,405	35,595	71%
Water Operations Technology	50,000	43,621	6,379	13%
Water Production Technology	15,000	-	15,000	100%
<b>WATER TECHNOLOGY</b>	<b>\$115,000</b>	<b>\$58,026</b>	<b>\$56,974</b>	<b>50%</b>
<b>All Water Capital Projects</b>	<b>\$12,339,017</b>	<b>\$6,829,990</b>	<b>\$5,509,027</b>	<b>45%</b>
<b>Grand Total</b>	<b>\$57,196,264</b>	<b>\$27,230,262</b>	<b>\$29,966,002</b>	<b>52%</b>

## BPU - Financial Metrics

October 31, 2021



Note: Red Line indicates stated BPU's Financial Guidelines 02-100-007 (2.02/2.05) and targeted metrics in the 2016 Cost of Service Study.

Certificate of Calculation  
Of Net Revenues for the  
Board of Public Utilities  
For The Month Ended  
October 2021

According to the requirements of the Supplemental Indentures, as defined in the Second Amended and Restated Trust Indenture, dated as of June 1, 2014, effective as of December 8, 2016 and any Supplemental Indentures as defined in the Second Amended and Restated Trust Indenture, the Board of Public Utilities is required to calculate the Net Revenues of the Utility System for the twelve month period ending with such calendar quarter.

“Net Revenues” means the Revenues of the Utility System, less Operation and Maintenance Expenses.

	Electric 12 Months Ending <u>October 31, 2021</u>	Water 12 Months Ending <u>October 31, 2021</u>	Combined 12 Months Ending <u>October 31, 2021</u>
Revenues	\$ 272,692,155	51,295,751	323,987,906
Operating and Maintenance Expenses	(186,701,096)	(27,782,420)	(214,483,516)
Net Revenues	<u>\$ 85,991,059</u>	<u>23,513,331</u>	<u>109,504,390</u>
Maximum Annual Debt Service - Total Debt	\$ 44,880,036	11,909,679	52,293,942
Coverage - Electric/2029 Water/2022 Combined/2021	1.92	1.97	2.09
Maximum Annual Debt Service - Parity	\$ 44,668,378	8,402,282	47,988,426
Coverage - Electric/2030 Water/2022 Combined/2025	1.93	2.80	2.28

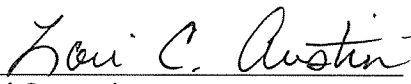
  
Lori C. Austin  
CFO/CAO



Exhibit 1

REVENUES

	Electric 12 Months Ending <u>October 31, 2021</u>	Water 12 Months Ending <u>October 31, 2021</u>	Combined 12 Months Ending <u>October 31, 2021</u>
Total Utility Revenues			
Residential Sales	\$ 75,053,827	24,675,692	99,729,519
Commercial Sales	93,252,275	11,050,149	104,302,424
Industrial Sales	39,338,528	5,773,873	45,112,401
Schools	9,156,240	590,322	9,746,562
Other Sales (1)	322,754	635,231	957,985
Wholesale Sales	22,564,534	1,366,187	23,930,721
Payment In Lieu Of Taxes	26,256,704	5,402,787	31,659,491
Interest Income and Other (2)	6,753,482	1,801,510	8,554,992
Bond Cost of Issuance	(1,361)	-	(1,361)
Deferred Revenue - Fuel/PP*	-	-	-
Less: Construction Fund Earnings	(4,828)	-	(4,828)
Total Revenues	<u>\$ 272,692,155</u>	<u>51,295,751</u>	<u>323,987,906</u>

\*Revenue deferred for Energy Rate Component (ERC) reconciliation adjustment (FAS 71)

“Revenues” mean all income and revenue derived by the BPU from the management, operation and control of the Utility System or any Project or other part thereof, whether resulting from extensions, enlargements, repairs or betterments to the Utility System or otherwise, and includes all revenues received by the BPU from the Utility System, including rates and charges imposed by the BPU with respect to the Utility System and from the sale and use of services and products of such Utility System, and includes all income derived from the investment of monies in any of the Funds established herein (the Indenture of Trust dated June, 2014) except those monies in the Construction Fund derived from Bond proceeds, but such term shall not include proceeds paid with respect to any loss incurred by the Utility System covered by an appropriate insurance policy and shall not include extraordinary revenues.

Notes: (1) Other sales includes: highway lighting, public authorities, fire protection and other non-operating income

(2) Interest income and other includes: forfeited discounts, connect/disconnect fees, tower/pole attachment rental, ash disposal, interest on investments and other miscellaneous non-operating revenues.

## Exhibit 2

### OPERATIONS AND MAINTENANCE EXPENSES

	Electric 12 Months Ending <u>October 31, 2021</u>	Water 12 Months Ending <u>October 31, 2021</u>	Combined 12 Months Ending <u>October 31, 2021</u>
Operating Expenses*	\$ 244,238,918	41,577,364	285,816,282
Less: Depreciation And Amortization	(31,281,118)	(8,392,157)	(39,673,275)
Less: Payment In Lieu of Taxes	(26,256,704)	(5,402,787)	(31,659,491)
Operating & Maintenance Expenses	<u>\$ 186,701,096</u>	<u>27,782,420</u>	<u>214,483,516</u>

\*Excludes interest expense on outstanding Revenue Bonds.

3 “Operation and Maintenance Expenses” means the funds necessary to maintain and operate the Utility System, including, but not limited to, amounts of money reasonably required to be set aside for such items, the payment of which is not then immediately required, including all money necessary for the payment of the costs of ordinary repairs, renewals and replacements, salaries and wages, employees’ health, hospitalization, pension and retirement expenses, insurance premiums, legal, engineering, accounting and financial advisory fees and expenses and the cost of additional consulting and technical services, taxes (but not including payments in lieu thereof), other governmental charges, fuel costs, the cost of purchased power and transmission service, any current expenses or obligations required to be paid by the BPU by ordinance of the City or by Law, to the extent properly allocable to the Utility System under generally accepted accounting principles, the fees and expenses of any fiduciary, including those of the Trustee hereunder, and any other costs which are considered to be Operating and Maintenance Expenses in accordance with generally accepted accounting principles. Operation and Maintenance Expenses do not include payments in lieu of taxes, depreciation or obsolescence charges or reserves therefor, extraordinary or materially unusual or infrequently occurring expense items, amortization of intangibles, interest charges and charges for the payment of principal or amortization of bonded or other indebtedness of the City or the BPU, costs, or charges made therefor for capital additions, replacements, betterments, extensions or improvements to, or retirements from, the sale, abandonment, reclassification, revaluation or other disposition of any properties of the Utility System, and such property items, including taxes and fuel, which are capitalized by the BPU.

# BOARD OF PUBLIC UTILITIES

## CASH AND INVESTMENTS

	<u>October 31, 2021</u> <u>Electric</u>	<u>October 31, 2021</u> <u>Water</u>	<u>October 31, 2021</u> <u>Combined</u>
Beginning Cash and Investments As of 01/01/21	\$ 64,125,694	\$ 24,033,520	\$ 88,159,214
Cash Receipts Year to Date	371,530,409	2,209,348	373,739,757
Cash Payments Year to Date	(381,777,761)	(4,070,629)	(385,848,390)
Cash and Investments as of 10/31/21	\$ 53,878,342	\$ 22,172,239	\$ 76,050,581
Restrictions of Cash and Investments			
Customer Deposit	\$ 5,996,096	\$ 1,318,749	\$ 7,314,845
Self Insurance Reserve - Public Liability	800,000	200,000	1,000,000
Self Insurance Reserve -Workers' Comp	880,000	220,000	1,100,000
Debt Service Fund	9,895,804	2,100,604	11,996,408
Debt Reduction Fund	-	6,290,000	6,290,000
Rate Stabilization Fund	9,156,273	-	9,156,273
Improvement and Emergency Fund	1,350,000	150,000	1,500,000
Construction Fund 2016C	708,800	-	708,800
Construction Fund 2020A	7,813,813	-	7,813,813
Ongoing Construction Reserve for 2021	4,109,297	696,707	4,806,004
System Development	-	10,716,732	10,716,732
Remaining Operating Reserve Requirement	13,658,478	-	13,658,478
Economic Development Fund	350,000	150,000	500,000
Total Restrictions	\$ 54,718,561	\$ 21,842,792	\$ 76,561,353
Unrestricted Cash and Investments	\$ (840,219)	\$ 329,447	\$ (510,772)

\* The unrestricted cash balance represents the amount needed to fully fund the reserve funds as established in the BPU Financial Guideline Policy 02-100-007

