

# BOARD INFORMATION PACKET



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

**Regular Meeting of**

**January 18, 2023**



**Gold Award  
for  
Competitiveness  
Achievement**



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Board of Public Utilities  
Kansas City, Kansas

**BOARD AGENDA**

Regular Session  
January 18, 2023 – 6:00 P.M.

- I. Call to Order
- II. Roll Call
  - \_\_\_\_\_ Mary L. Gonzales, At Large, Position 1
  - \_\_\_\_\_ Tom Groneman, District 2
  - \_\_\_\_\_ David Haley, At Large, Position 2
  - \_\_\_\_\_ Robert L. Milan, Sr., District 1
  - \_\_\_\_\_ Rose Mulvany Henry, At Large, Position 3
  - \_\_\_\_\_ Jeff Bryant, District 3
- III. Approval of Agenda
- IV. Approval of the Minutes of the Work Session of January 4, 2023
- V. Approval of the Minutes of the Regular Session of January 4, 2023
- VI. Public Comments
- VII. Election of Officers
- VIII. General Manager / Staff Reports
  - i. Water Utility Winterization / Planning
  - ii. Proclamation of Appreciation (Mutual Aid Support)
  - iii. Miscellaneous Comments
- IX. Board Comments
- X. Adjourn



## WORK SESSION MINUTES – WEDNESDAY, JANUARY 4, 2023

STATE OF KANSAS            )  
  ) SS  
CITY OF KANSAS CITY    )

The Board of Public Utilities of Kansas City, Kansas (aka BPU, We, Us, Our) met in Work Session on Wednesday, January 4, 2023 at 5:00 P.M. The following Board Members were present: Mary Gonzales, President; Rose Mulvany Henry, Vice President, Thomas Groneman, Secretary; Robert L. Milan, Jeff Bryant and David Haley.

Also present: William Johnson, General Manager; Angela Lawson, Deputy Chief Counsel; Lori Austin, Chief Financial Officer/Chief Administrative Officer; Jeremy Ash, Interim Chief Operating Officer; Johnetta Hinson, Executive Director Customer Service; Steve Green, Executive Director Water Operations; Glen Brendel, Executive Director Electric Production; Dennis Dumovich, Director of Human Resources; Dustin Miller, Director of Applications; and Robert Kamp, IT Project Manager.

A video of this meeting is on file at the Board of Public Utilities and can be found on the BPU website, [www.bpu.com](http://www.bpu.com).

Ms. Gonzales 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 Mr. Bryant, seconded by Mr. Groneman, and unanimously carried.

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

Mr. Johnson said he had attended a Unified Government (UG) Economic Development meeting. The city wanted to update old master plans and come up with a city-wide comprehensive master plan that incorporated all of the different area plans.

### **Item #5 – Board Governance Discussion**

Ms. Gonzales wanted to review the Self Assessment's that each of the Board members had completed. (See attached.) She reminded everyone that the intended purpose was to take a look at how they governed and was there a way to be better.

The discussion included:

1. Public Accountability and Involvement –

## WORK SESSION MINUTES – WEDNESDAY, JANUARY 4, 2023

STATE OF KANSAS            )  
  ) SS  
CITY OF KANSAS CITY    )

- Based on the public participation at the last couple of Board meetings, it was an area that needed improvement.
- To make sure that the public knew the value of the utility.
- There were also comments about what progress had been made to involve the public, such as the audio-visual capabilities being used to have the meetings accessible on Zoom and then on the website.
- They needed to look at how to gain insight.
- Communication on what the utility was doing was currently sent out via the flyer that went out quarterly, the BPU Connection.
- Board member participation at neighborhood meetings. It was hard to gain that interaction but making the effort as much as the Board could was necessary.
- Some of the Board committees needed to be revamped, possibly adding a Community Engagement Committee.
- There was no one solution.
- Also, possibly developing a quarterly Work Session calendar that was Board driven, but keeping in mind that there could be other discussions that could arise and on occasion replace or be included on the Agenda.
- BPU needed to simplify some of the information presented to be understandable by lay people, particularly when speaking about the value the utility brought to the community.
- BPU could have more information for the public presented at Board meetings especially now that the public had the opportunity to watch the meetings.

### 2. Strategic Direction and Goals –

- The Home Town Connections sessions had helped the Board make huge strides in dealing with Strategic Planning. The Board had to follow-up, do the work and get things implemented on matters discovered during the sessions.

### 3. Monitor Achievement of Strategic Goals and Organization Efficiency -

- Items in the “Parking Lot”, things outlined during the sessions should be used throughout the year to address in checking in on the strategic plan.

### 4. Board Relationship with CEO –

- No comments given.

## WORK SESSION MINUTES – WEDNESDAY, JANUARY 4, 2023

STATE OF KANSAS       )  
  ) SS  
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### 5. Board Meetings –

- Support one another when members of the community are speaking after public comment section is over.
- Work on how to handle people who are not happy with decisions the Board had made.
- It was noted that the Chair held the meetings with decorum.
- Hear what the other Board members points of view are, not meaning that one should change their position, but understand other Board member concerns.
- The Board should take more responsibility of the Work Session agenda. More technical items should be in the Work Sessions and presentations in the Regular Sessions be in laymen terms.
- Listen to comments and refer to proper staff. The Board could not know what someone is going to say until they come to the podium or what other possible situations they had.

### 6. Board Self-evaluation –

- In the coming year, the Board members should go outside of the utility; to one of the conferences, a webinar, etc. and each member should bring something learned back to the Board.

### **Item #7 – Adjourn**

A motion was made to adjourn the Work Session at 5:48 P.M. by Mr. Bryant, seconded by Mr. Milan and unanimously carried.

ATTEST:

\_\_\_\_\_  
Secretary

APPROVED:

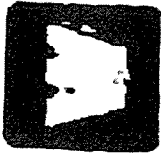
\_\_\_\_\_  
President





# GOVERNING BOARD SELF-EVALUATION

RNH

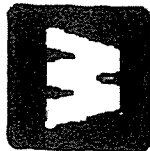


APPA Academy

Performance Areas Review	5-3 Scale*	Comments
<b>1. Public Accountability and Involvement</b> <ul style="list-style-type: none"> <li>Meet fiduciary &amp; statutory duties</li> <li>Comply with ethics and Board norms</li> <li>Inform customers-owners of utility performance and value</li> <li>Involve public in key decisions</li> </ul>	1. <u>3</u>	The first 2 bullets, I would rate a 5, but the last two are a 2 or a 3, so overall I gave a 3. I have not seen the Board make a concerted effort to inform our customer owners of BPU's performance and value. Similarly, I have not seen the Board make a collective effort to involve the public in key decisions.
<b>2. Strategic direction and goals</b> <ul style="list-style-type: none"> <li>Identify strategic outcomes that enhance the long-term value delivered to customers-owners</li> <li>Approve strategic plan specifying long-term goals and assure implementation</li> </ul>	2. <u>3</u>	Although involved in some strategic planning efforts, most data points are pre-determined by the GM. The first bullet has gotten better, but the Board is not privy to the Executive Dashboard in real time. BPU does not yet have all KPIs established yet, so it is partially complete.
<b>3. Monitor achievement of strategic goals and organization efficiency</b> <ul style="list-style-type: none"> <li>Review progress on strategic outcomes quarterly and plan implementation annually</li> <li>Establish key indicators for each utility's performance, review performance data quarterly</li> </ul>	3. <u>3</u>	
<b>4. Board Relationship with CEO</b> <ul style="list-style-type: none"> <li>Support CEO's responsibility to lead the organization and compensate the CEO fairly (at market level)</li> <li>Comply with board member limitations (individual members do not give direction to CEO/staff, or speak for full board)</li> <li>Provide written, unified (when possible) direction to CEO</li> <li>Delegate authority to CEO and provides resources necessary for success</li> <li>Conduct annual, goal-based evaluation of CEOs performance</li> </ul>	4. <u>2</u>	I'm not even sure what the first half of the first bullet means - "Support CEO's responsibility to lead"... not sure how to do that when the GM is not transparent with the Board, and goes out of his way to control narratives. The current GM rarely takes direction from the Board, but seems to be in lock step with certain Board members. At BPU, the unelected GM seems to be the only person with any authority. The goal based evaluation does occur annually, but does not capture leadership skills.

\* 5 = Always 4 = Most of time 3 = Sometimes 2 = Seldom 1 = Never

# GOVERNING BOARD SELF-EVALUATION (CONT)



APPA Webinars

Performance Areas Review	5-1 Scale*	Comments
<b>5. Board Meetings</b> <ul style="list-style-type: none"> <li>Meetings will be fairly and efficiently run, and adhere to proper decorum</li> <li>The Board will comply with open meeting rules, and involve the public whenever appropriate</li> <li>The chair sets the meeting agendas, assures equitable member participation, focuses discussion on policy (not administrative issues), and adheres to approved meeting procedures (i.e. Robert's Rules of Order)</li> </ul>	5. <u>3</u>	<p>Meetings are run fairly, but not efficiently and do not always adhere to proper decorum. One Board member is allowed to demean others at any time. The Board does comply w/ open meeting rules. The meeting agendas appear to be set by the GM and not always w/ chair input. The Chair has done a great job of facilitating.</p>
<b>6. Board Self-evaluation</b> <ul style="list-style-type: none"> <li>Conduct an annual self-evaluation of the board's performance based on criteria established in the Excellence in Governance model</li> <li>Where improvements are needed, a plan for making those improvements by the next self-evaluation will be adopted</li> <li>Each board member will participate in an annual structured professional development activity</li> </ul>	6. <u>3</u>	<p>It appears as though we are working toward all of these goals in the near future, starting with this self evaluation.</p>
<b>7. Others: TBA</b>		
Total Score		Plan for improvement: TBD

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David Haley

# GOVERNING BOARD SELF-EVALUATION



APPA Webina

Performance Areas Review	5-1 Scale*	Comments
<b>1. Public Accountability and Involvement</b> <ul style="list-style-type: none"> <li>• Meet fiduciary + statutory duties</li> <li>• Comply with ethics and Board norms</li> <li>• Inform customers-owners of utility performance and value</li> <li>• Involve public in key decisions</li> </ul>	1. <u>3</u>	
<b>2. Strategic direction and goals</b> <ul style="list-style-type: none"> <li>• Identify strategic outcomes that enhance the long-term value delivered to customers-owners</li> <li>• Approve strategic plan specifying long-term goals and assure implementation</li> </ul>	2. <u>4 (IV)</u>	
<b>3. Monitor achievement of strategic goals and organization efficiency</b> <ul style="list-style-type: none"> <li>• Review progress on strategic outcomes quarterly and plan implementation annually</li> <li>• Establish key indicators for each utility's performance, review performance data quarterly</li> </ul>	3. <u>2 (II)</u>	
<b>4. Board Relationship with CEO</b> <ul style="list-style-type: none"> <li>• Support CEO's responsibility to lead the organization and compensate the CEO fairly (at market level)</li> <li>• Comply with board member limitations (individual members do not give direction to CEO/staff, or speak for full board)</li> <li>• Provide written, unified (when possible) direction to CEO</li> <li>• Delegate authority to CEO and provides resources necessary for success</li> <li>• Conduct annual, goal-based evaluation of CEOs performance</li> </ul>	4. <u>3 (III)</u>	

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# GOVERNING BOARD SELF-EVALUATION (CONT)



APPA Webinars

Performance Areas Review	5-1 Scale*	Comments
<p>5. Board Meetings</p> <ul style="list-style-type: none"> <li>Meetings will be fairly and efficiently run, and adhere to proper decorum</li> <li>The Board will comply with open meeting rules, and involve the public whenever appropriate</li> <li>The chair sets the meeting agendas, assures equitable member participation, focuses discussion on policy (not administrative issues), and adheres to approved meeting procedures (i.e. Robert's Rules of Order)</li> </ul>	<p>5. <u>5</u> (V)</p>	
<p>6. Board Self-evaluation</p> <ul style="list-style-type: none"> <li>Conduct an annual self-evaluation of the board's performance based on criteria established in the Excellence in Governance model</li> <li>Where improvements are needed, a plan for making those improvements by the next self-evaluation will be adopted</li> <li>Each board member will participate in an annual structured professional development activity</li> </ul>	<p>6. <u>3</u> (III)</p>	
<p>7. Others: TBA</p>		
Total Score	(20)	Plan for improvement: TBD

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Mary Gonzales

GOVERNING BOARD SELF-EVALUATION



APPA Webinar

Performance Areas Review	5-1 Scale*	Comments
<b>1. Public Accountability and Involvement</b> <ul style="list-style-type: none"> <li>Meet fiduciary + statutory duties</li> <li>Comply with ethics and Board norms</li> <li>Inform customers-owners of utility performance and value</li> <li>Involve public in key decisions</li> </ul>	1. <u>4</u>	
<b>2. Strategic direction and goals</b> <ul style="list-style-type: none"> <li>Identify strategic outcomes that enhance the long-term value delivered to customers-owners</li> <li>Approve strategic plan specifying long-term goals and assure implementation</li> </ul>	2. <u>5</u>	
<b>3. Monitor achievement of strategic goals and organization efficiency</b> <ul style="list-style-type: none"> <li>Review progress on strategic outcomes quarterly and plan implementation annually</li> <li>Establish key indicators for each utility's performance, review performance data quarterly</li> </ul>	3. <u>5</u>	
<b>4. Board Relationship with CEO</b> <ul style="list-style-type: none"> <li>Support CEO's responsibility to lead the organization and compensate the CEO fairly (at market level) <u>5</u></li> <li>Comply with board member limitations (individual members do not give direction to CEO/staff, or speak for full board) <u>5</u></li> <li>Provide written, unified (when possible) direction to CEO <u>4</u></li> <li>Delegate authority to CEO and provides resources necessary for success <u>5</u></li> <li>Conduct annual, goal-based evaluation of CEOs performance <u>5</u></li> </ul>	4. <u>5</u>	

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# GOVERNING BOARD SELF-EVALUATION (CONT)

Performance Areas Review	5-1 Scale*	Comments
<b>5. Board Meetings</b> <ul style="list-style-type: none"> <li>Meetings will be fairly and efficiently run, and adhere to proper decorum</li> <li>The Board will comply with open meeting rules, and involve the public whenever appropriate <sup>5</sup></li> <li>The chair sets the meeting agendas, assures equitable member participation, focuses discussion on policy (not administrative issues), and adheres to approved meeting procedures (i.e. Robert's Rules of Order) <sup>4</sup></li> </ul>	5. <u>4.5</u>	Chair should be more involved w/ meeting agenda
<b>6. Board Self-evaluation</b> <ul style="list-style-type: none"> <li>Conduct an annual self-evaluation of the board's performance based on criteria established in the Excellence in Governance model <sup>3</sup></li> <li>Where improvements are needed, a plan for making those improvements by the next self-evaluation will be adopted <sup>2</sup></li> <li>Each board member will participate in an annual structured professional development activity <sup>4</sup> (minutes, TBD)</li> </ul>	6. <u>3</u>	Professional development hindered by Covid
<b>7. Others: TBA</b>		
Total Score	<u>26.5</u>	Plan for improvement: TBD

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Jeff

# GOVERNING BOARD SELF-EVALUATION



Performance Areas Review	5-1 Scale*	Comments
<b>1. Public Accountability and Involvement</b> <ul style="list-style-type: none"> <li>Meet fiduciary + statutory duties</li> <li>Comply with ethics and Board norms</li> <li>Inform customers-owners of utility performance and value</li> <li>Involve public in key decisions</li> </ul>	1. <u>4</u>	I FEEL THE BOARD COULD HAVE ITS STRATEGY WITH FUTURE WORK SESSIONS DESIGNED TO ELICIT INPUT FROM ALL TO ACHIEVE A CONSENSUS.
<b>2. Strategic direction and goals</b> <ul style="list-style-type: none"> <li>Identify strategic outcomes that enhance the long-term value delivered to customers-owners</li> <li>Approve strategic plan specifying long-term goals and assure implementation</li> </ul>	2. <u>3</u>	
<b>3. Monitor achievement of strategic goals and organization efficiency</b> <ul style="list-style-type: none"> <li>Review progress on strategic outcomes quarterly and plan implementation annually</li> <li>Establish key indicators for each utility's performance, review performance data quarterly</li> </ul>	3. <u>3</u>	I DON'T FEEL THAT WE SPEND APPROPRIATE TIME INVESTIGATING AND DISSECTING ISSUES THAT PUT THE UTILITY OUT OF ITS EXPECTED BUDGET
<b>4. Board Relationship with CEO</b> <ul style="list-style-type: none"> <li>Support CEO's responsibility to lead the organization and compensate the CEO fairly (at market level)</li> <li>Comply with board member limitations (individual members do not give direction to CEO/staff, or speak for full board)</li> <li>Provide written, unified (when possible) direction to CEO</li> <li>Delegate authority to CEO and provides resources necessary for success</li> <li>Conduct annual, goal-based evaluation of CEOs performance</li> </ul>	4. <u>4</u>	I FEEL THE GM IS IN A PRECARIOUS SITUATION DUE TO THE BROAD DIRECTION FROM THE BOARD. WE, AS A BOARD, NEED TO DETERMINE OUR PRIORITIES AND THEN RELAY THEM TO THE GM.

\*5 = Always 4 = Most of time 3 = Sometimes 2 = Seldom 1 = Never



# GOVERNING BOARD SELF-EVALUATION (CONT)



APPA WEEDERS

Performance Areas Review	5-1 Scale*	Comments
<b>5. Board Meetings</b> <ul style="list-style-type: none"> <li>Meetings will be fairly and efficiently run, and adhere to proper decorum</li> <li>The Board will comply with open meeting rules, and involve the public whenever appropriate</li> <li>The chair sets the meeting agendas, assures equitable member participation, focuses discussion on policy (not administrative issues), and adheres to approved meeting procedures (i.e. Robert's Rules of Order)</li> </ul>	5. <u>5</u>	I BELIEVE THAT ALL BOARD MEMBERS STRIVE TO PARTICIPATE IN AN APPROPRIATE FASHION, KNOWING THAT WE ALL SHARE A PASSION FOR MOVING OUR UTILITY FORWARD.
<b>6. Board Self-evaluation</b> <ul style="list-style-type: none"> <li>Conduct an annual self-evaluation of the board's performance based on criteria established in the Excellence in Governance model</li> <li>Where improvements are needed, a plan for making those improvements by the next self-evaluation will be adopted</li> <li>Each board member will participate in an annual structured professional development activity</li> </ul>	6. <u>3</u>	THE BOARD HAS SOUGHT OUT CONTINUING EDUCATION THROUGH VARIOUS MEANS. (CONFERENCES, PUBLICATIONS, ONLINE TRAINING) THIS SELF-EVALUATION IS THE FIRST THAT I CAN RECALL IN MY SERVICE ON THE BOARD.
<b>7. Others: TBA</b>		
Total Score		Plan for improvement: TBD

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Bob Miley

# GOVERNING BOARD SELF-EVALUATION



APPA Webinars

Performance Areas Review	5-1 Scale*	Comments
<b>1. Public Accountability and Involvement</b> <ul style="list-style-type: none"> <li>• Meet fiduciary + statutory duties</li> <li>• Comply with ethics and Board norms</li> <li>• Inform customers-owners of utility performance and value</li> <li>• Involve public in key decisions</li> </ul>	1. <u>3</u>	
<b>2. Strategic direction and goals</b> <ul style="list-style-type: none"> <li>• Identify strategic outcomes that enhance the long-term value delivered to customers-owners</li> <li>• Approve strategic plan specifying long-term goals and assure implementation</li> </ul>	2. <u>3</u>	Two Board Do NOT EXCEPT GEMZL DECISIONS
<b>3. Monitor achievement of strategic goals and organization efficiency</b> <ul style="list-style-type: none"> <li>• Review progress on strategic outcomes quarterly and plan implementation annually</li> <li>• Establish key indicators for each utility's performance, review performance data quarterly</li> </ul>	3. <u>5</u>	
<b>4. Board Relationship with CEO</b> <ul style="list-style-type: none"> <li>• Support CEO's responsibility to lead the organization and compensate the CEO fairly (at market level)</li> <li>• Comply with board member limitations (individual members do not give direction to CEO/staff, or speak for full board)</li> <li>• Provide written, unified (when possible) direction to CEO</li> <li>• Delegate authority to CEO and provides resources necessary for success</li> <li>• Conduct annual, goal-based evaluation of CEO's performance</li> </ul>	4. <u>4</u>	

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# GOVERNING BOARD SELF-EVALUATION (CONT)

Performance Areas Review	5-1 Scale*	Comments
<p>5. Board Meetings</p> <ul style="list-style-type: none"> <li>Meetings will be fairly and efficiently run, and adhere to proper decorum</li> <li>The Board will comply with open meeting rules, and involve the public whenever appropriate</li> <li>The chair sets the meeting agendas, assures equitable member participation, focuses discussion on policy (not administrative issues), and adheres to approved meeting procedures (i.e. Robert's Rules of Order)</li> </ul>	5. <u>2</u>	DO NOT FOLLOW ROBERT'S RULES BY SOME BOARD MEMBERS.
<p>6. Board Self-evaluation</p> <ul style="list-style-type: none"> <li>Conduct an annual self-evaluation of the board's performance based on criteria established in the Excellence in Governance model</li> <li>Where improvements are needed, a plan for making those improvements by the next self-evaluation will be adopted</li> <li>Each board member will participate in an annual structured professional development activity</li> </ul>	6. <u>1</u>	I DO NOT TRUST THIS BOARD
7. Others: TBA		
Total Score		Plan for improvement:
		TBD

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TWG



APPA Webinar

Performance Areas Review	5-1 Scale*	Comments
<p>1. Public Accountability and Involvement</p> <ul style="list-style-type: none"> <li>Meet fiduciary + statutory duties</li> <li>Comply with ethics and Board norms</li> <li>Inform customers-owners of utility performance and value</li> <li>Involve public in key decisions</li> </ul>	1. <u>3</u>	<p>Bullet 1-2 I think we do a good job. Bullets 3-4 we are not as good as we could be.</p>
<p>2. Strategic direction and goals</p> <ul style="list-style-type: none"> <li>Identify strategic outcomes that enhance the long-term value delivered to customers-owners</li> <li>Approve strategic plan specifying long-term goals and assure implementation</li> </ul>	2. <u>4</u>	<p>This last year we have become more active in the area of strategic planning. We need to follow-up to assure implementation.</p>
<p>3. Monitor achievement of strategic goals and organization efficiency</p> <ul style="list-style-type: none"> <li>Review progress on strategic outcomes quarterly and plan implementation annually</li> <li>Establish key indicators for each utility's performance, review performance data quarterly</li> </ul>	3. <u>3</u>	<p>I think we are doing better but still have a ways to go regarding reviewing progress. We need to do the work and follow through - not just put it aside and forget about it.</p>
<p>4. Board Relationship with CEO</p> <ul style="list-style-type: none"> <li>Support CEO's responsibility to lead the organization and compensate the CEO fairly (at market level)</li> <li>Comply with board member limitations (individual members do not give direction to CEO/staff, or speak for full board)</li> <li>Provide written, unified (when possible) direction to CEO</li> <li>Delegate authority to CEO and provides resources necessary for success</li> <li>Conduct annual, goal-based evaluation of CEOs performance</li> </ul>	4. <u>4</u>	<p>I believe we adequately support the GM.</p>

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# GOVERNING BOARD SELF-EVALUATION (CONT)



APPA Webinars

Performance Areas Review	5-1 Scale*	Comments
<p>5. Board Meetings</p> <ul style="list-style-type: none"> <li>Meetings will be fairly and efficiently run, and adhere to proper decorum</li> <li>The Board will comply with open meeting rules, and involve the public whenever appropriate</li> <li>The chair sets the meeting agendas, assures equitable member participation, focuses discussion on policy (not administrative issues), and adheres to approved meeting procedures (i.e. Robert's Rules of Order)</li> </ul>	5. <u>5</u>	I feel we meet all of the bullet points however not sure the chair has in setting meeting agendas.
<p>6. Board Self-evaluation</p> <ul style="list-style-type: none"> <li>Conduct an annual self-evaluation of the board's performance based on criteria established in the Excellence in Governance model</li> <li>Where improvements are needed, a plan for making those improvements by the next self-evaluation will be adopted</li> <li>Each board member will participate in an annual structured professional development activity</li> </ul>	6. <u>2</u>	In the past we have not conducted any board self-evaluation. This is a start and I hope we can build on this in the future.
7. Others: TBA		
Total Score		Plan for improvement: TBD

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**REGULAR SESSION –WEDNESDAY, JANUARY 4, 2023**

STATE OF KANSAS        )  
                                      ) SS  
CITY OF KANSAS CITY )

The Board of Public Utilities of Kansas City, Kansas (aka BPU, We, Us, Our) met in Regular Session on Wednesday, January 4, 2023 at 6:00 P.M. The following Board Members were present: Mary Gonzales, President; Rose Mulvany Henry, Vice President; Thomas Groneman, Secretary; Robert L. Milan, Jeff Bryant, and David Haley.

Also present: William Johnson, General Manager; Angela Lawson, Deputy Chief Counsel; Lori Austin, Chief Financial Officer/Chief Administrative Officer; Jeremy Ash, Interim Chief Operating Officer; Johnetta Hinson, Executive Director Customer Service; Steve Green, Executive Director Water Operations; Darrin McNew, Acting Executive Director Electric Operations; Glen Brendel, Executive Director Electric Production; Maurice Moss, Executive Director Corporate Compliance; David Mehlhaff, Chief Communications Officer; Dennis Dumovich, Director of Human Resources; Dustin Miller, Director of Applications; and Robert Kamp, IT Project Manager.

A video of this meeting is on file at the Board of Public Utilities and can be found on the BPU website, [www.bpu.com](http://www.bpu.com).

Ms. Gonzales called the Board meeting to order at 6:00 P.M. She welcomed all that were listening to or viewing the meeting. She stated that the Board felt it was necessary to offer the use of technology for staff as well as for the general public. During the public comment section, members of the public who wished to speak to the Board using Zoom needed to use the Raise Hand feature at the bottom of the application or window to signal that they wish to address the board during the public comment section. Members of the public connected by phone only, needed to press \*9 to indicate they wished to address the Board in the public comment section. Staff would assist those attending in person. During the public comment section of the agenda, community members would be asked to provide their name and address and had five minutes to speak. As always, the public could also email or call the BPU with any concerns. The agenda and presentations could be found on the BPU website or if they were using Zoom they would appear on their screen. Ms. Gonzales introduced herself and the other Board Members along with the General Manager, and Legal Counsel.

Roll call was taken and all Board Members were present.

**Item #3 – Approval of Agenda**

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

**REGULAR SESSION –WEDNESDAY, JANUARY 4, 2023**

STATE OF KANSAS        )  
                                      ) SS  
CITY OF KANSAS CITY)

**Item #4– Approval of Regular Session Minutes of December 21, 2022**

A motion was made to approve the minutes of the Regular Session of December 21, 2022, by Ms. Mulvany Henry, seconded by Mr. Bryant, and unanimously carried.

**Item #5– Public Comments**

Ms. Louise Lynch, conveyed concerns regarding having to state addresses. She also expressed her thoughts about the Board Work Session; the terminology used in wanting to make the public understand BPU’s value; the discussion about community engagement, and about returning constituents communications. She also inquired about retired employees benefits, and wanted to get a copy of the itemized budget without having to go through open records.

Mr. Rayan Makarem, Clean Air Now, 3730 Metropolitan Avenue, wanted to reemphasize his thoughts working together. He spoke about the next year’s budget, and conveyed his thoughts on pursuing changes with the Unified Government (UG) PILOT.

Mr. Ty Gorman, 2843 Parkwood Blvd., spoke about his opposition in stating addresses. He also conveyed his thoughts on the Board Work Session and about public priorities on no more shut-offs and lowering of the bills. He gave his views about the need to bring organizations and nonprofits, that had more expertise in the areas of how to help customers, into the utility process.

Ms. Lisa Walker Yeager, 1068 Webster, wished everyone a happy holiday and asked that the board set a date to engage with a community group to get together and move forward.

Ms. Susan Stevens, 4018 Silver Ave. wanted to remind that she was available to attend community action group meetings and echoed Ms. Yeager’s statement about setting a date. She also wished all a happy new year.

**Item #6 – General Manager / Staff Reports**

- i. *November 2022 Financials:* Ms. Lori Austin, Chief Financial Officer/Chief Administrative Officer, reviewed the November 2022 Financials with the Board. (See attached PowerPoint.)



REGULAR SESSION –WEDNESDAY, JANUARY 4, 2023

STATE OF KANSAS       )  
                                      ) SS  
CITY OF KANSAS CITY )

A motion was made to approve the November 2022 Financials as presented, by Ms. Mulvany Henry, seconded by Mr. Bryant, and unanimously carried.

*Winter Preparation/Planning:* Mr. Maurice Moss, Executive Director Corporate Compliance and Mr. Andrew Ferris, Director Electric Supply Planning presented an update on the energy market, both on a national and regional level, during the winter period, to inform the Board and public on what was being done during winter weather events. (See attached PowerPoint.)

Mr. Moss and Mr. Ferris responded to comments and questions from the Board.

- ii. *Miscellaneous Comments:* Mr. Johnson gave an update on customer issues from the last Board meeting. He also informed the Board about the upcoming Eagle Days event on January 21-22 at Wyandotte County Lake. He also reported that the Wyandotte County Legislation Delegation town hall meeting would be held on January 5<sup>th</sup> at the West Wyandotte Library.

**Item #7 – Board Comments**

Ms. Gonzales proposed that a public engagement meeting date be set for some time around January 23<sup>rd</sup>. She also thanked everyone for their presentations.

Mr. Groneman thanked Mr. Ferris and Mr. Moss for their presentation. He also commended the Board President, Ms. Gonzales, for setting up the Board self-evaluation.

Mr. Haley said he appreciated the evening's presentations from Mr. Ferris, Mr. Moss, and Ms. Austin. He spoke about his one-year anniversary on the Board and about public participation. He reiterated Mr. Johnson's comments about the town hall. He still wanted to push for greater customer service and opening the lobby and wished everyone a good new year.

Mr. Milan wished everyone a prosperous 2023.

Ms. Mulvany Henry wished Mr. Haley a happy anniversary. She also thanked the public for their participation and inquired if the comments and questions would be responded to.

Mr. Johnson said that he had notes on the issues raised and would prepare something on the responses to the inquiries for the next meeting.

**REGULAR SESSION –WEDNESDAY, JANUARY 4, 2023**

STATE OF KANSAS       )  
  ) SS  
CITY OF KANSAS CITY)

Mr. Bryant expressed his interest in attending a community engagement meeting, it was important to hear all viewpoints. He asked that as much advanced notice possible be given as to the date of the meeting. He also wished all a happy new year.

**Item #8 – Adjourn**

At 7:29 P.M. a motion to adjourn was made by Mr. Milan, seconded by Mr. Bryant and unanimously carried.

ATTEST:

APPROVED:

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
President

# November 2022 Financial Results

January 4, 2023

# Financial Results

## 2022 Billed kWh (YTD Jan - November)

Electric	(CY) 2022 YTD	(PY) 2021 YTD
Residential	548,776,368	548,695,433
Commercial	919,550,587	881,710,019
Industrial	496,102,125	431,044,429
	1,964,429,080	1,861,449,881
		5.5%

Residential – Up < 1%    Commercial – Up 4%    Industrial – Up 15%

# Financial Results

## 2022 Billed CCF's (YTD Jan - November)

Water	(CY) 2022 YTD	(PY) 2021 YTD
Residential	3,227,074	3,241,046
Commercial	2,517,427	2,379,774
Industrial	1,765,045	1,631,579
	7,509,546	7,252,399
		3.5%

Residential – Down < 1%      Commercial – Up 6%      Industrial - Up 8%



# Financial Results

## Revenues – November 2022

	(CY) 2022 November	(PY) 2021 November	Budget 2022 November	(CY) 2022 November
Electric	\$ 20.244	\$ 18.091	\$ 21.027	\$ 20.244
Water	4.256	4.085	4.238	4.256
Combined	\$ 24.500	\$ 22.176	\$ 25.265	\$ 24.500
			10.5%	-3.0%

### Actual Compared to 2022 Budget

- Electric - Down 4%
- Water – Up 1%

# Financial Results

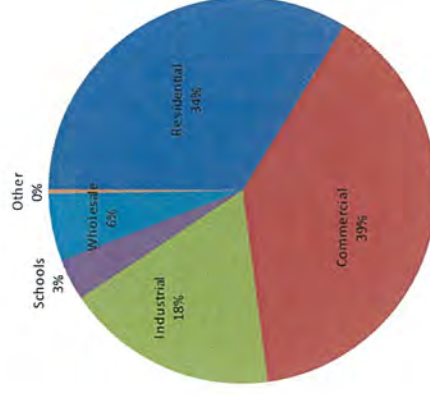
## Revenues – 2022 YTD

	(CY) 2022 YTD	(PY) 2021 YTD	Budget 2022 YTD	(CY) 2022 YTD
Electric	\$ 291,946	\$ 261,072	\$ 256,057	\$ 291,946
Water	49,111	47,431	48,173	49,111
Combined	\$ 341,057	\$ 308,503	\$ 304,230	\$ 341,057
			10.6%	12.1%

\*\*Dollars in millions

### Variance – YTD comparing Budget to Actual for 2022

<u>Electric:</u>	<i>Up 14%</i>	<u>Water:</u>	<i>Up 2%</i>
Residential	\$ 3.1M	Residential	\$424K
Commercial	\$15.1M	Commercial	\$610K
Industrial	\$ 5.2M	Industrial	\$ 82K
Schools	\$ 746K	Wholesale	\$124K
Wholesale	\$10.0M		





## Operating Expenses – November 2022

	(CY) 2022 November	(PY) 2021 November	Budget 2022 November	(CY) 2022 November
Electric	\$ 22,707	\$ 15,886	\$ 16,954	\$ 22,707
Water	3,492	3,090	3,279	3,492
Combined	\$ 26,199	\$ 18,976	\$ 20,233	\$ 26,199
				29.5%

### Actual Compared to 2022 Budget

Electric – Up 34%

Water - Down 6%



# Financial Results

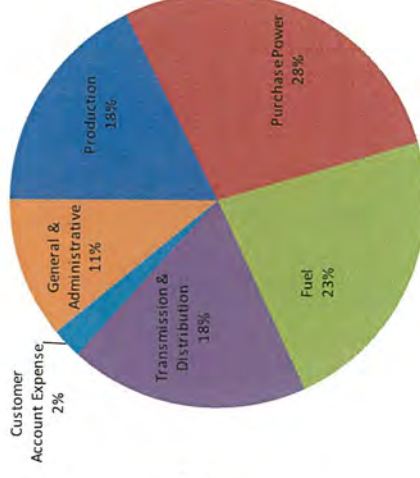
## Operating Expenses – 2022 YTD (Total)

	(CY) 2022 YTD	(PY) 2021 YTD	Budget 2022 YTD	(CY) 2022 YTD
Electric	\$ 229,700	\$ 189,981	\$ 191,033	\$ 229,700
Water	34,054	32,727	35,734	34,054
Combined	\$ 263,754	\$ 222,708	\$ 226,767	\$ 263,754
			18.4%	16.3%

\*\* Dollars in millions

### Actual Compared to 2022 Budget

- Electric - Up 20%
- Water - Down 5%



# Financial Results

## Operating Expenses – 2022 YTD less Depreciation

	(CY) 2022 YTD	(PY) 2021 YTD	Budget 2022 YTD	(CY) 2022 YTD
Electric	\$ 199,686	\$ 161,898	\$ 162,045	\$ 199,686
Water	26,450	25,053	28,010	26,450
Combined	\$ 226,136	\$ 186,951	\$ 190,055	\$ 226,136
			21.0%	19.0%

\*\*Dollars in millions

### Electric:

Purchased Power	\$20.7M
Fuel	\$21.1M
Production	\$588K
T&D	(\$4.2M)
G&A	(\$2.9M)

### Water:

Production	(\$857K)
T&D	(\$ 72K)
G&A	(\$745K)

Variance – YTD comparing Budget to Actual 2022

# Financial Results

## Change in Net Position – November 2022

	(CY) 2022 November	(PY) 2021 November	Budget 2022 November	(CY) 2022 November
Electric	\$ (6.262)	\$ (1.591)	\$ 0.374	\$ (6.262)
Water	0.840	0.448	0.473	0.840
Combined	\$ (5.422)	\$ (1.143)	\$ 0.847	\$ (5.422)

\*\*Dollars in millions



# Financial Results

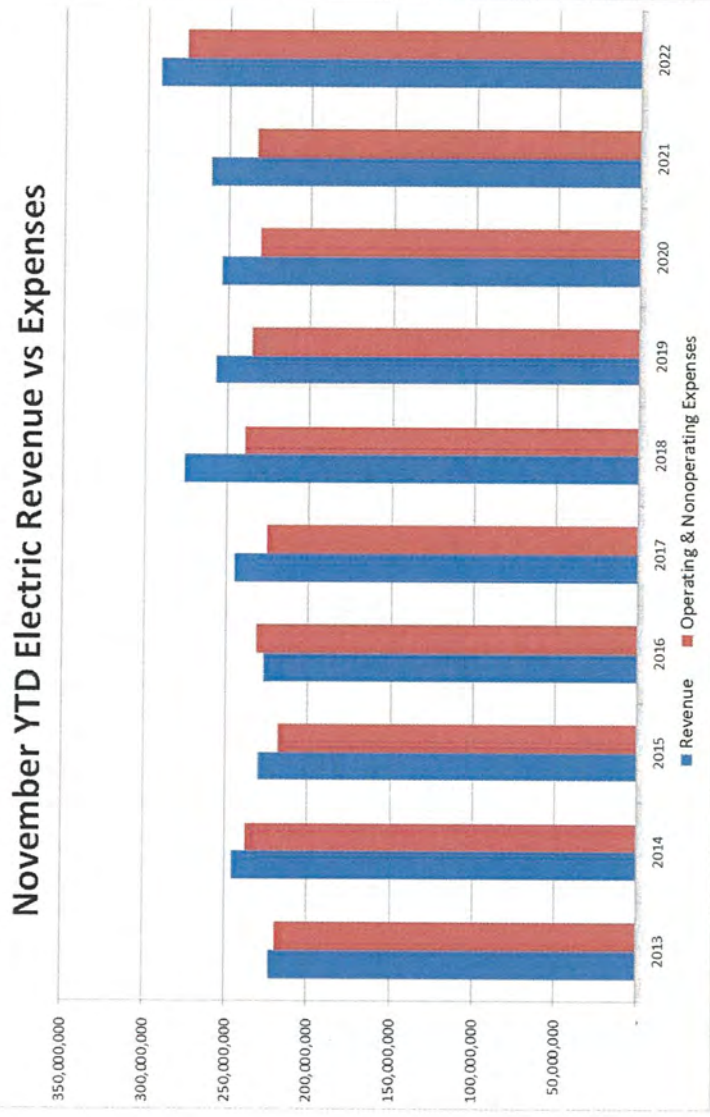
## Change in Net Position – 2022 YTD

	(CY) 2022 YTD	(PY) 2021 YTD	Budget 2022 YTD	(CY) 2022 YTD
Electric	\$ 15.933	\$ 27.622	\$ 21.298	\$ 15.933
Water	9.671	8.521	6.194	9.671
Combined	\$ 25.604	\$ 36.143	\$ 27.492	\$ 25.604

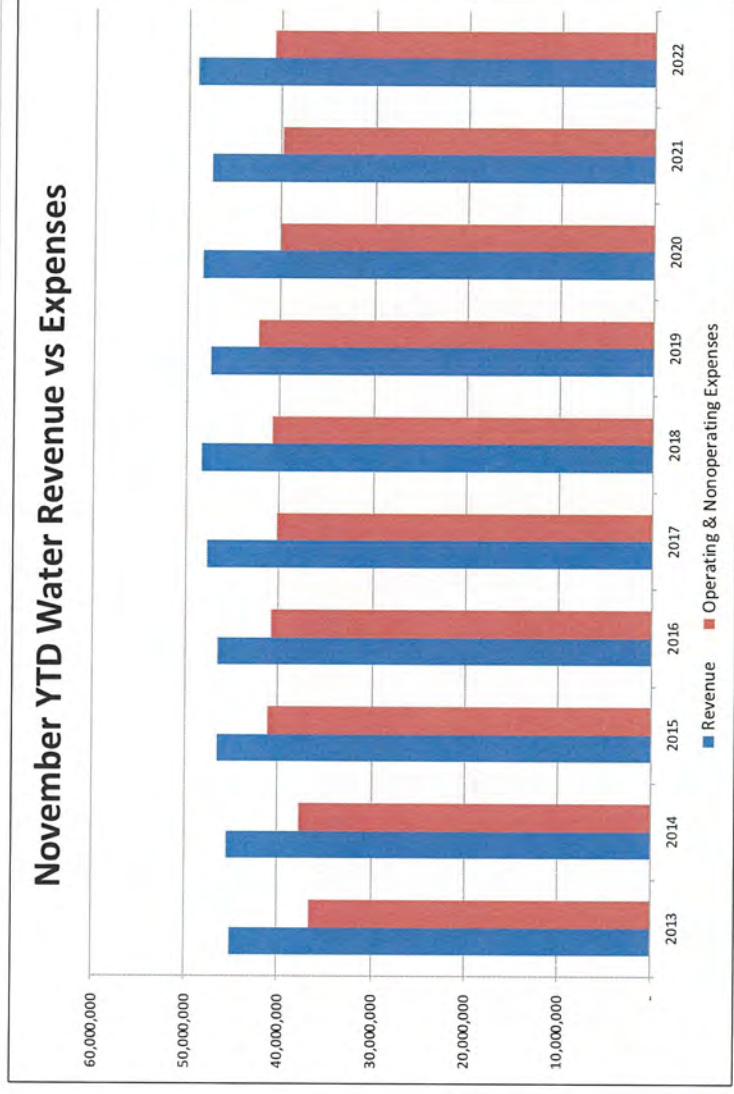
\*\*Dollars in millions



# Financial Results – 10 Year Trend

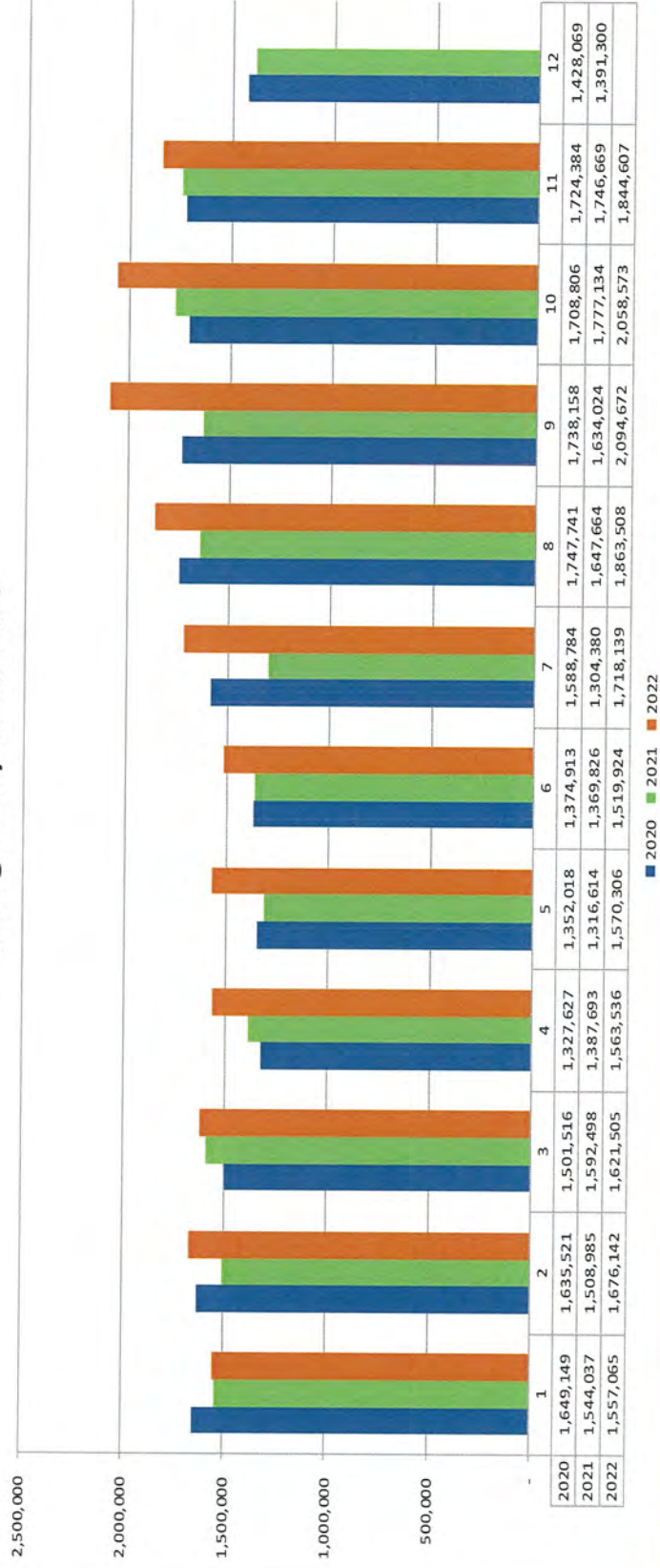


# Financial Results – 10 Year Trend



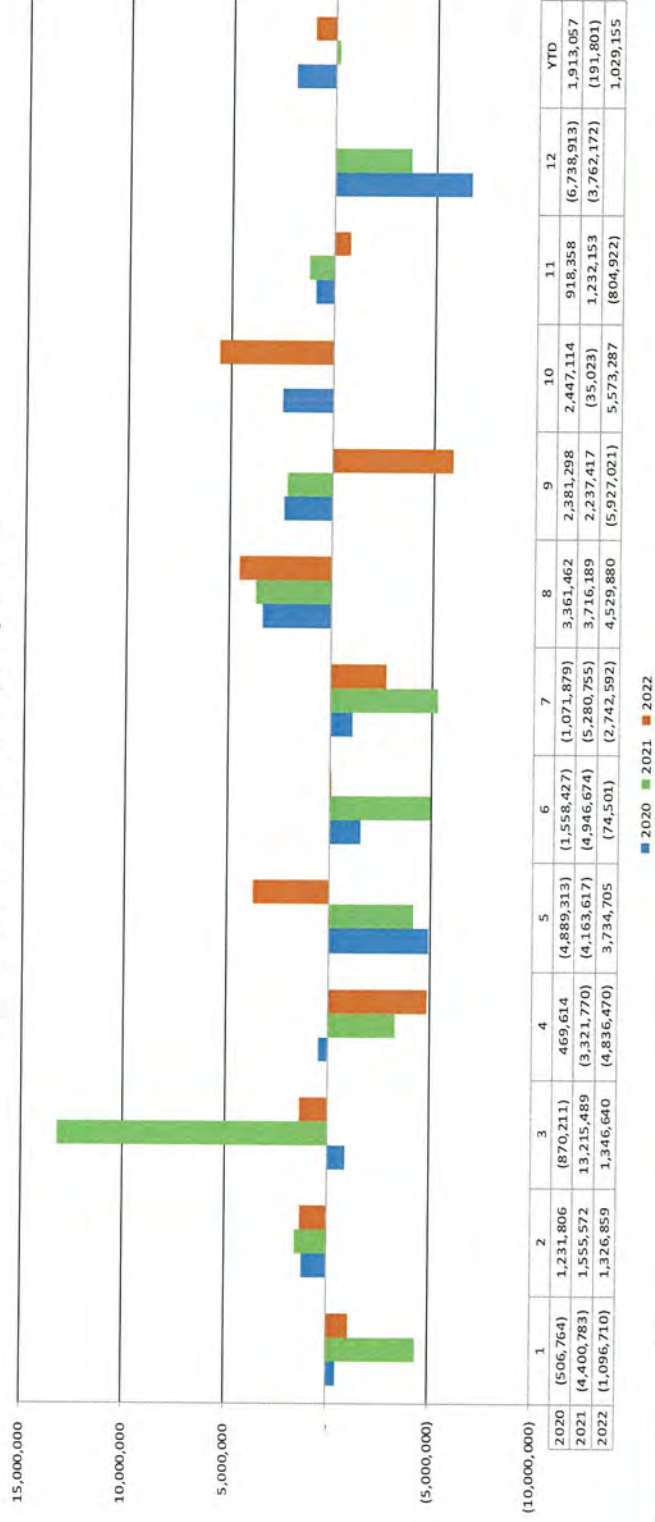
# Financial Results

Average Daily Collections



# Financial Results

Historical Monthly Cash Comparison







# Financial Results

## Cash Position

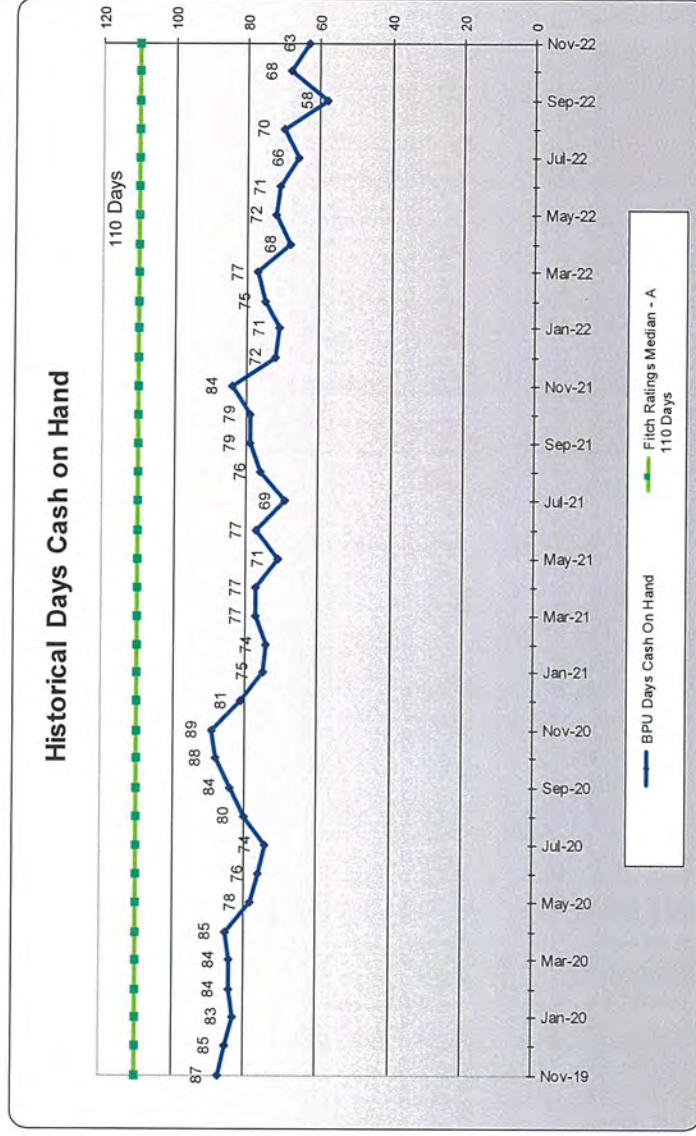
Combined (E&W)  
Days Cash-on-Hand

	(CY) 2022 November	(PY) 2021 November	2022 October
\$	44.80	49.25	47.00
	63	84	68

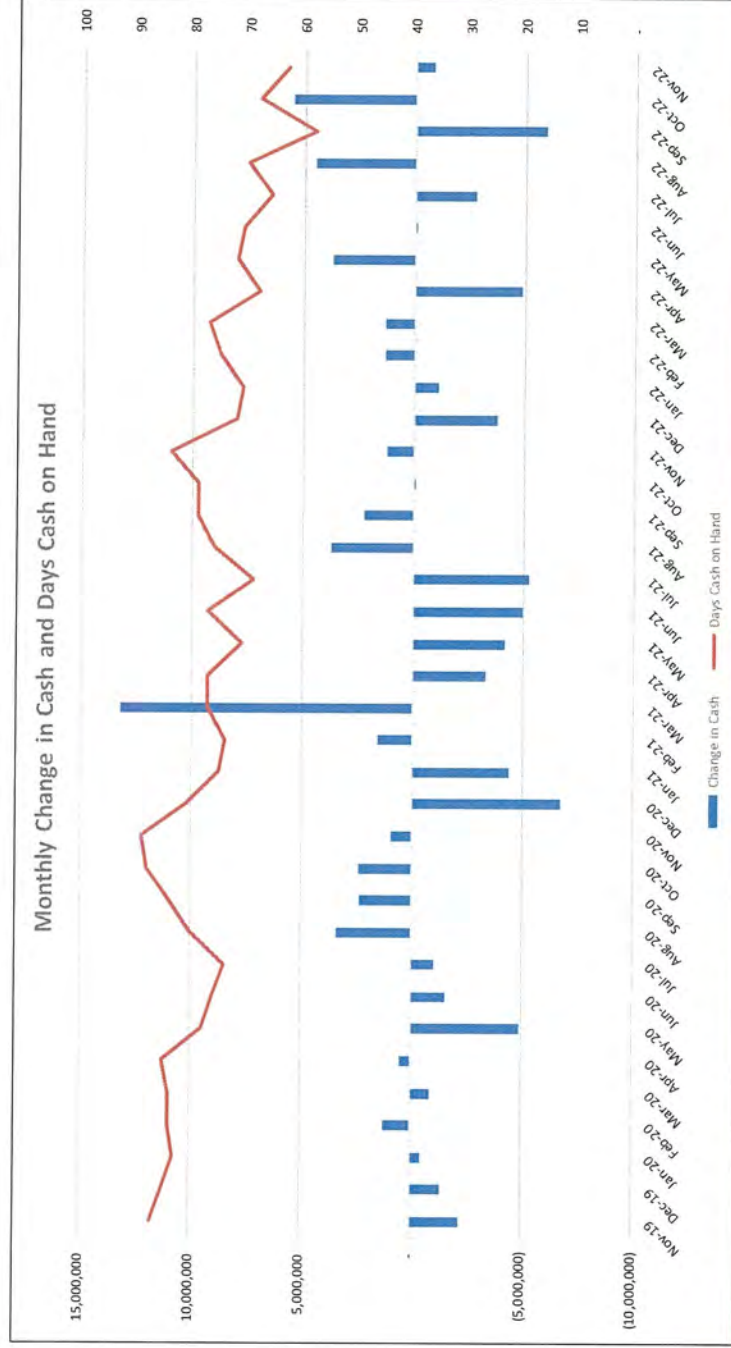
\*\*Dollars in millions

1 Day = Approximately \$700K-\$750K  
(Based on 12 month rolling average of expenses)

# Financial Results



# Financial Results



# Financial Results

## Balance Sheet: Notables

	(CY) 2022 November	(PY) 2021 November
Fuel Inventory	\$ 7.462	\$ 4.519
Bond Dollars 2016C (Elec T&D)	\$ 0.715	\$ 0.709
Bond Dollars 2020A (Elec)	\$ 0.804	\$ 7.814

\*\* Dollars in millions

# Financial Results

## Capital Spending

	(CY) 2022 YTD	(PY) 2021 YTD	2022 Budget
Electric	\$ 18.53	\$ 18.32	\$ 28.09
Water	9.78	7.66	22.28
Common	3.56	3.42	5.85
<b>Total YTD Capital</b>	<b>\$ 31.87</b>	<b>\$ 29.41</b>	<b>\$ 56.22</b>
			<b>Remaining</b>
			<b>43%</b>

\*\*Dollars in millions

Major projects in 2022:

Piper OH Feeders - \$928K  
 Fisher UG Feeders - \$3.3M  
 Annual Underground - \$2.7M  
 Annual Overhead - \$1.5M  
 Water Leak, Valve, System Imp. - \$1.5M  
 Water Transmission Imp. - \$2.1M  
 UG/CMIP Water Dist. - \$525K



# Financial Results

## Debt Coverage

### Debt Coverage with PILOT

	(CY) 2022 November	(PY) 2021 November
Electric	2.21	1.97
Water	1.97	1.98
Combined	2.35	2.14

### Debt Coverage w/o PILOT

	(CY) 2022 November	(PY) 2021 November
Electric	1.52	1.39
Water	1.51	1.53
Combined	1.65	1.54

Financial Guideline Target 1.6 to 2.1 times with PILOT

# Winter Preparation/Planning Review

January 04, 2023



# Overview

- Purpose
- Nation-wide Outlook
- Regional Outlook
- Winter Storm Elliott
- Southwest Power Pool
- Questions?



# Purpose

Purpose of this presentation is to inform you of projected reliability concerns to the bulk power system during the winter season.

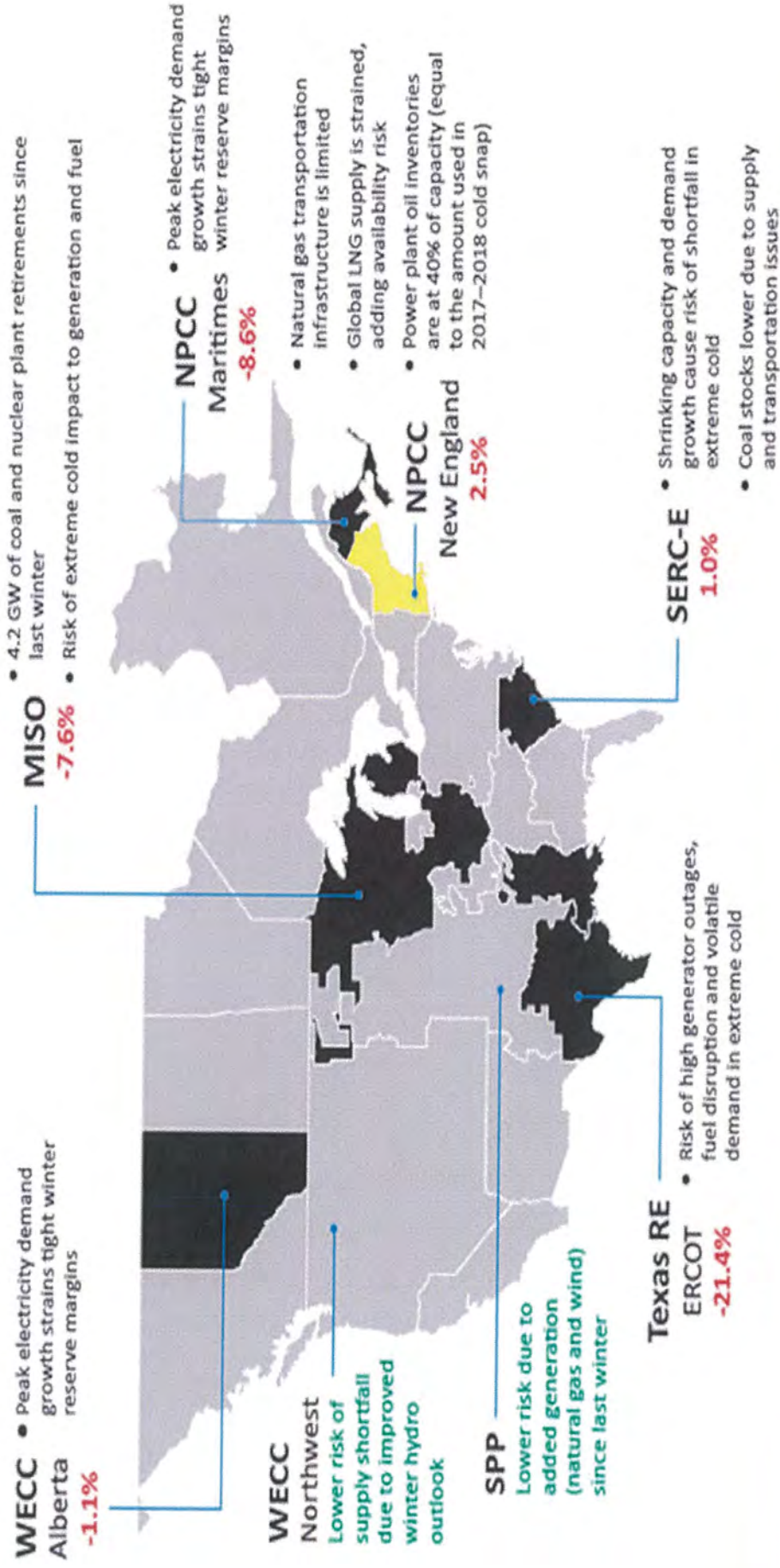


North American Electric Reliability Corporation (NERC):  
Responsible for annually assessing the seasonal and long-term  
reliability of the Bulk Electric System.

## Winter Reliability Assessment

- Generation Resource
- Transmission System Adequacy
- Operating Reserves
- Winter Peak Demands



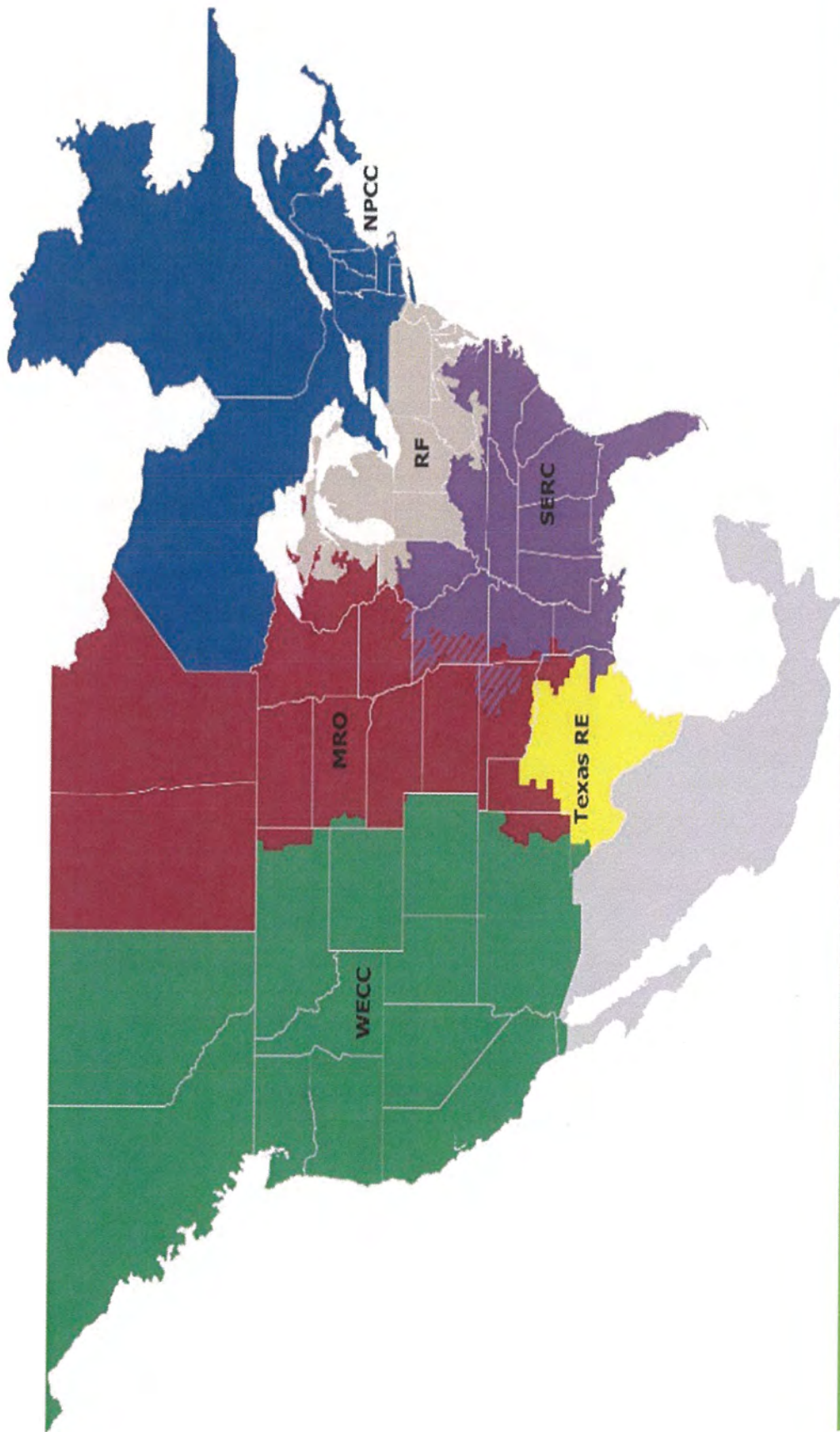


## Midwest Reliability Organization (MRO):

Ensure compliance with mandatory reliability standards by entities; conduct assessments of the grid's ability to meet electric power demand in the region; and analyze regional system events.

## MRO Regional Assessment:

- Complements National Assessment
- Historical Performance Data
- Generation Resource
- Transmission System Adequacy





## Winter Storm Uri

### SPP Implemented Policy Changes and Assessments:

- Fuel assurance
- Resource Planning and Availability
- Emergency Response
- Communication

### MRO Regional Assessment Findings (SPP):

- Coal transport is an emerging risk
- SPP has sufficient resources to meet reserve requirements under normal peak winter conditions
- Robust excess capacity still impacted by extreme weather events



# Winter Storm Elliott

Estimated **1.7 million** businesses and homes faced power outages.

TVA at one-time lost **6,000 MW** of generation

TVA and Duke Energy used rolling blackouts

PJM Interconnection, which serves **65 million** people in 13 eastern states, faced triple the power plant outages than it expected.

Texas (ERCOT) barely escaped another crisis with day-ahead projections being substantially higher than real-time demand





# Winter Storm Elliott

FERC *announced* Dec. 28 it would conduct the joint investigation with NERC and its regional entities into Winter Storm Elliott.

FERC Chair Richard Glick said “the behavior of the bulk power system during the storm shows that the BPS is critical to public safety and health.”

NERC CEO Jim Robb said. “This storm underscores the increasing frequency of significant extreme weather events ... and underscores the need for the electric sector to change its planning scenarios and preparations for extreme events.”

# Southwest Power Pool



## WHO IS SPP?

501(c)(6) nonprofit corporation

One of 9 regional grid operators

104 member companies in 14 states

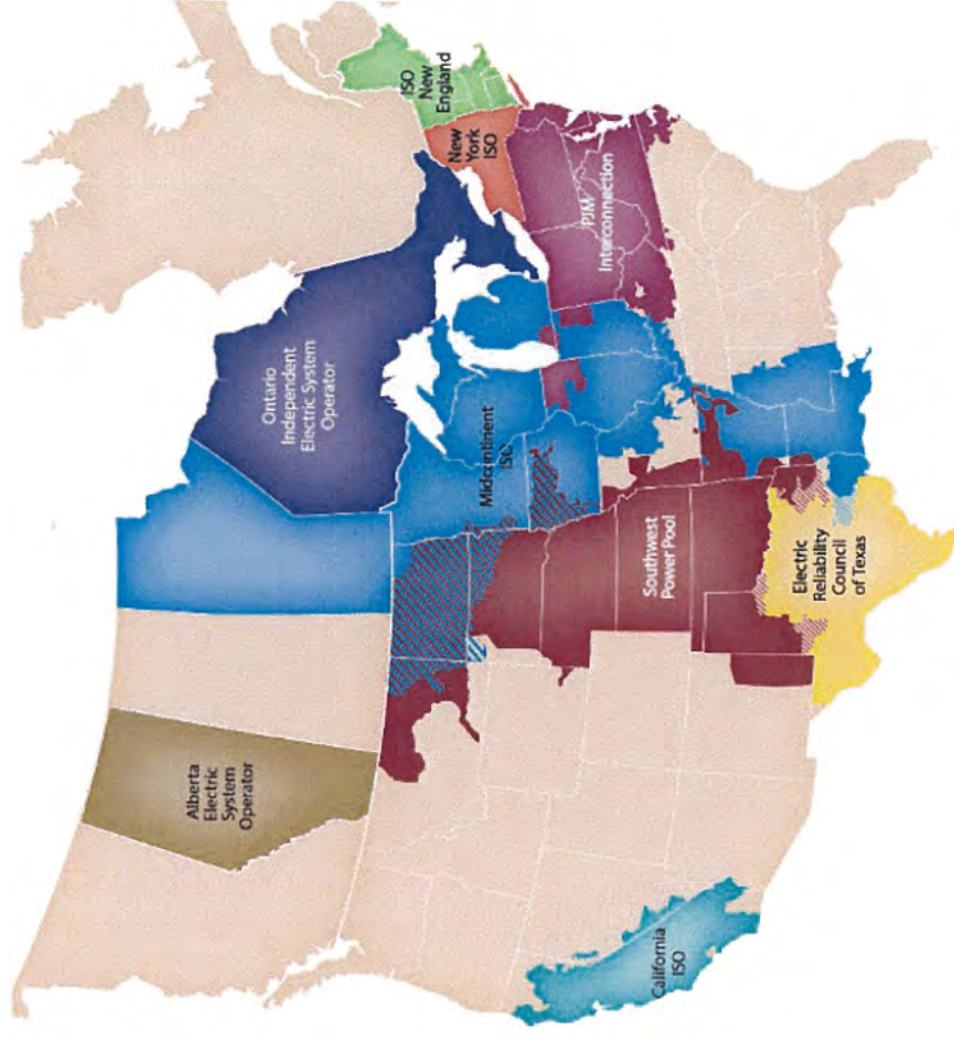
"Air traffic control" for high-voltage grid

Balances supply and demand across region

Maintains reliable grid operations

Operates wholesale energy market

Plans future transmission needs





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## 4 Emergency Plan Overview

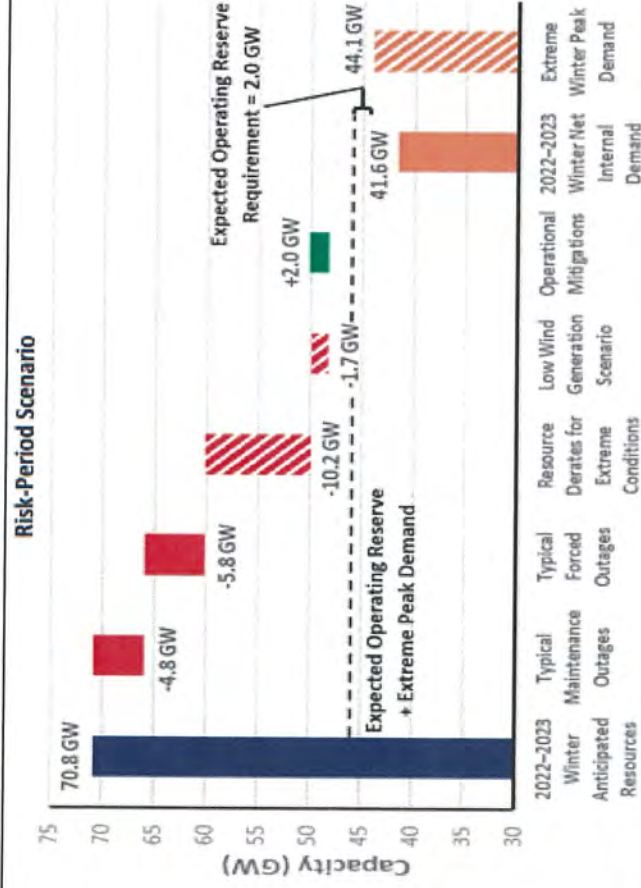
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### 4.1 Authority and Responsibility

The SPP BA has the responsibility and clear decision-making authority to take whatever actions are determined necessary to ensure the reliability of its BAA. This includes taking specific action to alleviate emergencies that may jeopardize the integrity of the SPP BAA. In order to implement the required mitigating actions in the necessary time frame, the SPP BA System Operators have the authority to take or direct timely and appropriate real-time actions up to and including shedding firm load without approval from higher level personnel within SPP. The SPP BA System Operators have the authority to issue Operating Instructions to Stakeholders to maintain the reliable operation of the Bulk Electric System.

The SPP BA will work in coordination with the SPP Reliability Coordinator (RC) and the Transmission Operators (TOP) and Generator Operators (GOP) within the SPP BAA to ensure that the integrity of the Eastern Interconnect is not jeopardized as a result of actions taken in response to an Emergency. This includes following all Operating Instructions given by the SPP RC and TOPs within the SPP BAA.

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**Scenario Description** (See [Data Concepts and Assumptions](#))

**Risk Period:** Highest risk for unserved energy at peak demand hour

**Demand Scenarios:** Net internal demand (50/50) and (90/10) demand forecast

**Maintenance and Forced Outages:** A capacity derate for maintenance outages, forced outages, and performance in extreme weather based on historical data

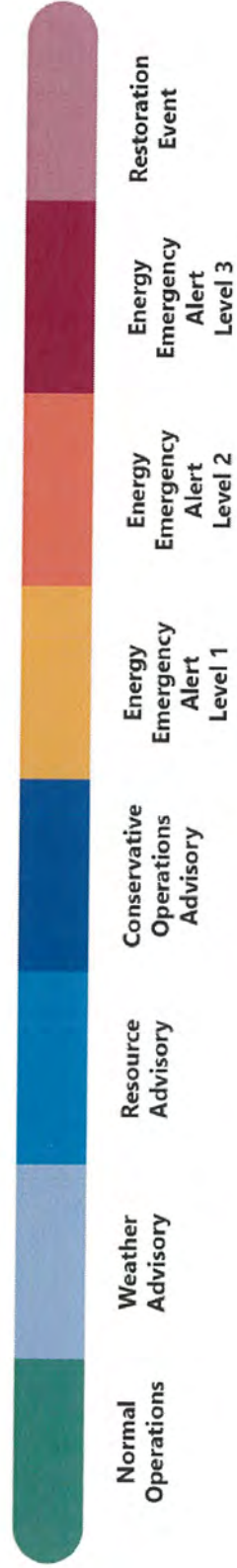
**Extreme Derates:** A capacity derate for generator performance in extreme weather based on historical data

**Low Wind Scenario:** 1.7 GW of wind potentially off-line when temperatures fall below their cold weather performance packages

**Operational Mitigations:** A total of 2 GW based on operational/emergency procedures (External Assistance)



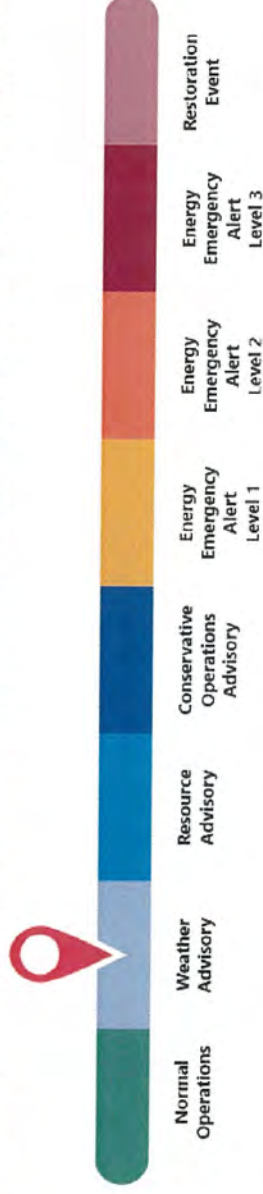
## SOUTHWEST POWER POOL GRID CONDITIONS



**Advisories** raise awareness and do not require general audiences to take action. SPP member utilities should follow applicable procedures.

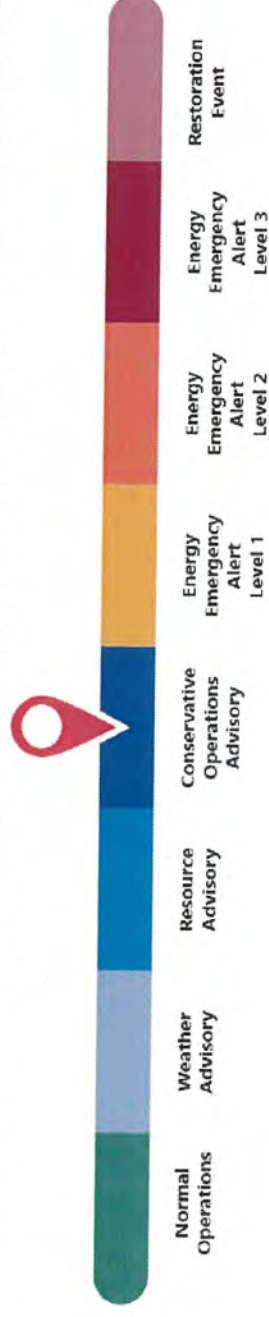
**Alerts** indicate all available generation has been committed to meet region-wide demand. As conditions worsen, voluntary conservation or service interruptions may be necessary to prevent uncontrolled outages.

## WEATHER AND RESOURCE ADVISORIES



- Weather Advisory: Extreme weather expected in SPP's RC area.
- Resource Advisory: Severe weather conditions, significant outages, wind forecast uncertainty, and/or load forecast uncertainty are expected in the SPP BA area.

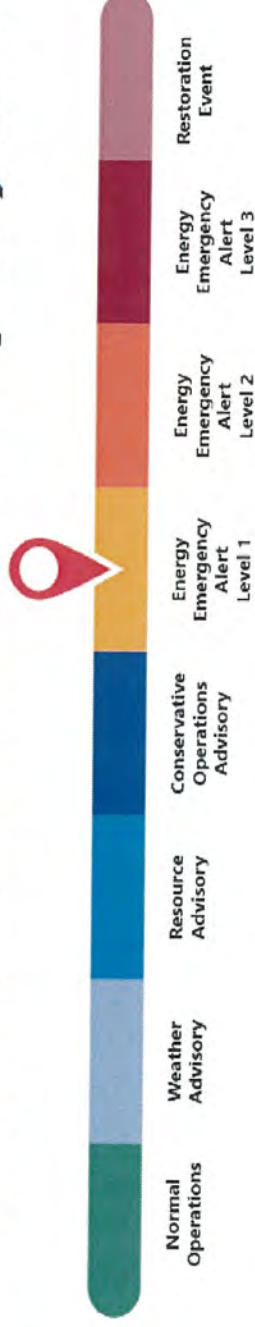
## CONSERVATIVE OPERATIONS ADVISORY



- Triggered by: Ops may declare a need to operate conservatively (including postponing or canceling outages, committing long-lead resources, and other actions) based on weather, environmental, operational, terrorist, or cyber events.

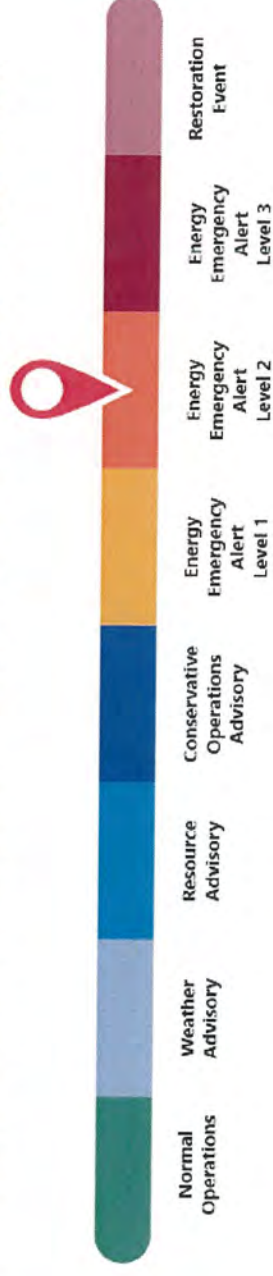


## ENERGY EMERGENCY ALERT (EEA) LEVEL 1



- **Definition:** Declared when all available resources have been committed to meet obligations, and SPP is at risk of not meeting required operating reserves. Entities operating behind-the-meter generation should contact the SPP BA regarding capabilities and availability.

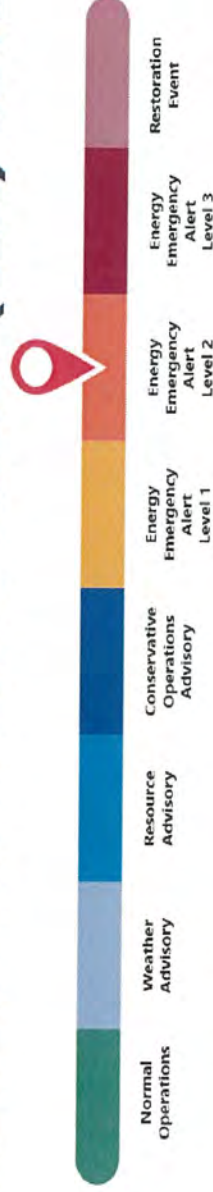
## PUBLIC APPEAL FOR CONSERVATION



- An appeal for conservation is required along with issuance of an EEA 2. If Operations determines earlier conservation may mitigate operational risk, it may be requested (not directed) earlier.

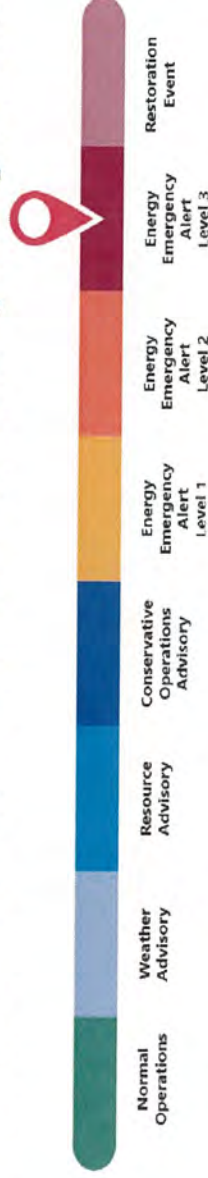


## ENERGY EMERGENCY ALERT (EEA) LEVEL 2



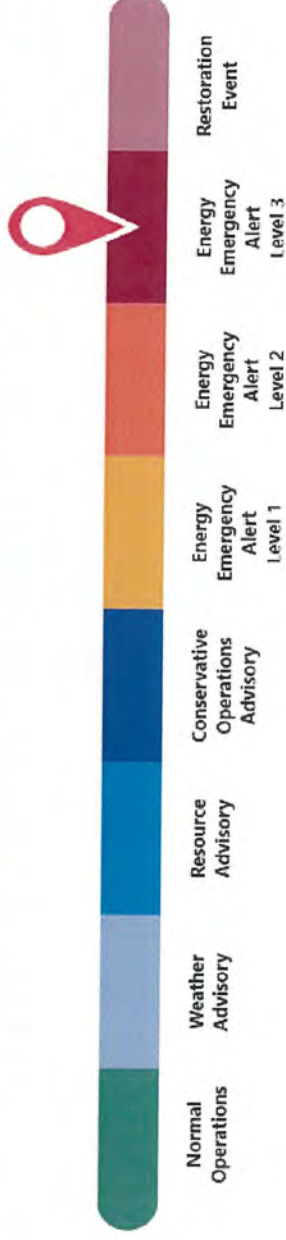
- **Definition:** Declared when SPP can no longer provide expected energy requirements and is an Energy Deficient Entity, or when SPP foresees or has implemented procedures up to, but excluding, interruption of firm load commitments. Entities operating behind-the-meter generation are expected to be on-line, if available. Entities with non-firm load shed capabilities can expect curtailments to be implemented by their Transmission Operator.

## ENERGY EMERGENCY ALERT (EEA) LEVEL 3



- **Definition:** SPP is utilizing operating reserves such that it is carrying reserves below the required minimum and has initiated assistance through the Reserve Sharing Group. Declared when SPP foresees or has implemented firm load obligation interruption. Before requesting an EEA 3, SPP will have already provided the appropriate internal notifications to its Market Participants. Entities operating behind-the-meter generation are expected to be on-line, if available. Entities with non-firm load shed capabilities can expect curtailments to be implemented by their Transmission Operator.

## LOAD SHED / CONTROLLED SERVICE INTERRUPTION



- **Definition:** SPP deems it necessary to direct controlled service interruptions to balance region-wide demand with available generation and prevent uncontrolled outages.



- On 12/19 SPP issued a cold-weather advisory for 12/21 - 12/26
- On 12/20 SPP issued a Resource alert for 12/22 - 12/25
- On 12/23 SPP issued Conservative Operations
- On 12/23 SPP issued an Energy Emergency Alert Level 1
- On 12/23 SPP returned to Conservative Operations
- On 12/23 SPP issued another Energy Emergency Alert Level 1
- On 12/23 SPP issued Conservative Operations for 12/23 - 12/25
- On 12/25 SPP resumed Normal Operations

# Questions?





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## **Agenda Item #VII**

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**Board Meeting of January 18, 2023**

**TO: President and Members of the  
Board of Public Utilities**

**DATE: January 18, 2023**

**SUBJECT: Election of Officers**

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Section 3.1 of the Board Rules of Procedure states that “The Board shall elect, from its membership at the second meeting in January of each year, a President, a Vice President and shall appoint a Secretary.” Except in the case of a vacancy on the Board, four affirmative votes shall be required to elect each officer. Terms of officers shall be limited to not more than two consecutive one year terms in the same office; however, in the event no nominee receives four affirmative votes, the current office holder shall remain in office for successive one year terms until a nominee receives the requisite number of votes at the election held at the second meeting of the year.

Typically, the nominations are opened for the Office of President. More than one nomination may be received. After all nominations are received, the Board shall vote on each nomination in the order they are received. At any time, a nominee receives four affirmative votes by the remainder of the Board, the President of the Board is declared and no further votes on the remaining nominees are required. In the event that four affirmative votes are not received by any nominee, the current President would retain the office.

The newly elected President then presides over the balance of the meeting, and for the Election of Officers to fill the Office of Vice President and the appointment to fill the Office of Secretary.

Respectfully submitted,

William Johnson  
General Manager



# Winter Storms Overview for Water Operations

January 18, 2023

# Winter Storm Hazards

- Drought Conditions
- Ice Jams / Dams
- Cold Weather Events - Main Breaks
- Extreme Cold Weather Events
- Ice Storms



## Regional/ National Issues

- Drought forecast for the Missouri Basin
- Ice Jams/ Dams- City of Atchison
- Cold Weather Transmission Main Break- KCMO
- Extreme Cold - cause many cities to issue boil
- The Impact of Winter Storm Elliot

## NOAA - Missouri River Basin

- Drought has expanded across the north central U.S.
- 30% region in severe drought or worse
- Record low levels on Missouri, Mississippi, & Ohio rivers
- Risk for drought continuing into the next growing season
- Deeper frost depths
- Issues with buried infrastructure and pipelines
  - Water main breaks and potential frozen water lines

# Missouri River Ice Jams

## Ice Jams/Ice Dams

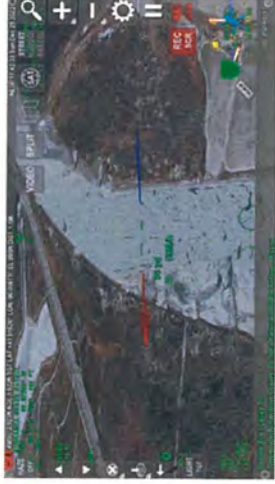
- Pieces of floating ice
- Causes obstruction to stream flow
- Can significantly reduce flow to water intakes

# Regional Issues for Missouri River

- City of Atchison Kansas
  - Dec 21<sup>st</sup> Ask residents to limit water use
  - Dec 29<sup>th</sup> Declares water emergency

WATCH: Biggest ice jam in decades clogging the Missouri River near Omaha

Downloaded at 10:00 PM on 10 Dec 2019





## Operational Concerns with Surface Water Intake

- Low river levels
- Flooding
- Ice jams/dams
- River water temperatures
- Spring rain runoffs
  - High turbidity
- Zebra mussels



# KC BPU Horizontal Collector Wells



## HCW-1

- Constructed 1996
- 115 Feet deep
- 2450 feet of 12-inch screen  
(14 laterals)

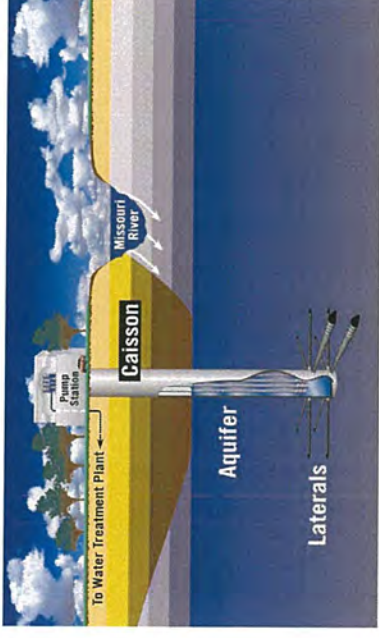


## HCW-2

- Constructed 2004
- 118 Feet deep
- 2800 feet of 12-inch screen  
(14 laterals)

# Advantages Operating a HCW

- Collect water 80ft below the river
- No worries of **ice jams/dams**
- **Water temperatures** are more consistent
- Natural filtration





# Cause of Winter Water Main Breaks

- Water main breaks are especially common in the winter, and the reason is the sudden drop in temperature.
  - Extremely cold temperatures cause cast iron water mains to become brittle. At the same time, the ground tends to expand as it freezes, putting added pressure on aging infrastructure.



# Potential Risk

- Lower pressure in areas
- Icy conditions on the roadways
- Increase cost for utilities
  - Material cost
  - Labor cost
- Potential risk of injuries for workers working long hours
- Precautionary boil water advisory if pressure drops below 20 psi



# Cold Weather Water Main Breaks

- Friday night Dec 30<sup>th</sup> KCMO Water Department has a 30-inch transmission main break causing Kansas City to go under boil advisory.



# Winter Storm Elliot Regional /National Issues

## 30-inch water main breaks in downtown Kansas City, MO

Dec 30, 2022 — A water main break in the Crossroads Arts District just south of downtown Kansas City, Missouri, is causing disruptions to travel



## Boil water order issued for Jackson, MS amid deep freeze

Residents in the area have been warned of water problems as water in the area has frozen, causing problems for water.



## BOIL WATER ADVISORY

## Several West Tennessee communities under boil water notice

December 27, 2022 at 10:00 a.m. — Several West Tennessee communities are under a boil water notice.



## WEATHER

## Cities across the South face water issues, boil notices in wake of winter storms

**Rachel Werner**  
Nashville, Tennessee  
Published 12:19 p.m. CT Dec. 27, 2022

## City: Recovery from water issues 'will come in stages' as Memphis thaws out

Memphis Commercial Appeal  
Published 8:58 a.m. CT Dec. 27, 2022 | Updated 8:35 a.m. CT Dec. 28, 2022

## City gives an update

Mayor Jim Strickland said roughly 15% of MLGW customers are without water service due to pressure issues. MLGW has about 257,500 water consumers, meaning about 38,625 consumers have either no water pressure or very low pressure.



# Winter Storm Elliot - Dec 2022

- 5 days below freezing temperature
  - 9 days to recover
- Main breaks repaired - 17
- No water calls - 80
- Frozen water meter - 22
- Burst water meters - 33
- Customer burst pipes - 92
- Overtime hours
  - Crews - 334 hrs.
  - Trouble shooters - 209 hrs.



# Risk Reduction with Infrastructure

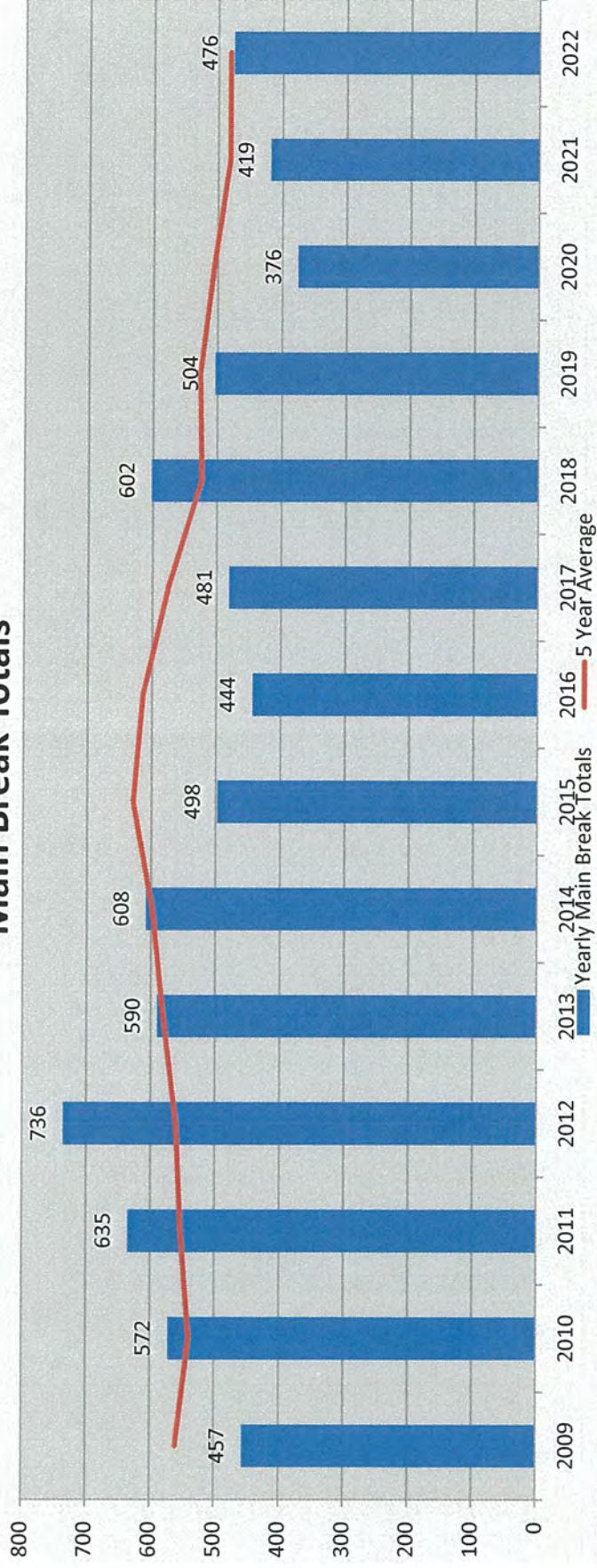
- Horizontal Collector Wells
- NWTP Process Redundancy
- Standby Electrical Generators at Milan and Argentine Pumping Stations
- Water Circulation in Elevated Tanks for Temperature Control
- Dual Electric Feeds at Critical Locations
- Future Standby Electrical Generator at NWTP
- Annual Capital Replacement Program for Aging Infrastructure

# Risk Reduction with Operations

- Asset/GIS Work Order Management Program
- Dedicated Trained Staff
- Follow all Safety Rules
- Maintain a Large Stock of Materials in Warehouse
- Well Maintain Tools and Work Equipment with an Annual Fleet Replacement Program.
- Have a Contract with a Local Construction Contractor to Assist if Needed.

# Water Main Break History

**Main Break Totals**





# Questions

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Thank you





