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PO Box 150
112 N. LINCOLN BLVD.
HODGENVILLE, KY 42748

July 22, 2026

Ms. Linda C. Bridwell, P.E.
Executive Director
Kentucky Public Service Commission
Frankfort, Kentucky 40602-0615

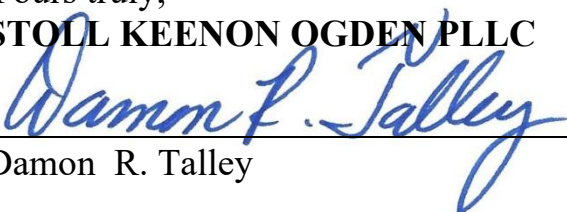
RE: Case No. 2026-00203
(Training or Certification)
Kentucky Rural Water Association

Dear Ms. Bridwell:

Enclosed for filing in the above referenced matter is Kentucky Rural Water Association's Application for accreditation of a water training program.

Should you need any additional information, please let me know.

Yours truly,
STOLL KEENON OGDEN PLLC


Damon R. Talley

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC APPLICATION OF	)	
KENTUCKY RURAL WATER	)	
ASSOCIATION FOR ACCREDITATION	)	CASE NO. 2026-00203
APPROVAL OF COMMISSIONER	)	
TRAINING AND CONTINUING	)	
EDUCATION CREDIT	)	

APPLICATION

Kentucky Rural Water Association (“KRWA” or the “Applicant”) applies for an Order from the Public Service Commission accrediting and approving a proposed water district commissioner training program for continuing education credit pursuant to KRS 74.020(6) and (7) and 807 KAR 5:070.

In support of its application, KRWA states:

1. KRWA is a non-profit corporation incorporated in the Commonwealth of Kentucky pursuant to KRS Chapter 273 on March 19, 1979 and is currently in good standing.
2. KRWA’s mailing address is: 1151 Old Porter Pike, Bowling Green, Kentucky 42103. Its email address is: k.jessup@krwa.org.
3. KRWA was organized to foster professionalism in the water and wastewater industry through non-regulatory training, technical assistance programs, and advocacy. Its membership consists of water districts, water associations, municipalities

with populations of 10,000 persons or less, and other similar entities that provide water and wastewater utility services to rural Kentucky.

4. Pursuant to 807 KAR 5:001, Section 4(8),¹ copies of all orders, pleadings, and other communications related to this proceeding should be directed to:

Damon Talley
Stoll Keenon Ogden PLLC
112 North Lincoln Boulevard
PO Box 150
Hodgenville, Kentucky 42748
Telephone: (270) 358-3187
Fax: (270) 358-9560
damon.talley@skofirm.com

Kenzie Jessup
Kentucky Rural Water Association
1151 Old Porter Pike
Bowling Green, KY 42103
(270) 843-2291
Fax: (270) 796-8623
k.jessup@krwa.org

5. KRWA proposes to sponsor and conduct a water management training program on August 24, 2026 as part of our 47th Annual Conference at the Central Bank Center in Lexington, Kentucky. The program is entitled “Water Commissioner Training.” A copy of the proposed agenda is attached to this Application at **Exhibit 1**.

¹ On July 20, 2026, KRWA gave notice pursuant to 807 KAR 5:001, Section 8, of its intent to file this application and of its use of electronic filing procedures.

6. As reflected in **Exhibit 1**, the proposed training program will include presentations on the following topics:
- a. **Recent Developments in Utility Regulation.** Reviews 2025 Kentucky legislation affecting public utilities, compliance with PSC Orders, board meeting minutes, utility borrowing, PSC investigations, and recent court and PSC decisions;
 - b. **Filings at the PSC: What Staff Needs, What Water and Wastewater Utilities Need, and How to Work Together (Parts 1 and 2).** Explains filing requirements, information PSC staff need, preparation by water and wastewater utilities, common causes of delay, and ways utilities and PSC staff can work together to simplify the filing process;
 - c. **Asset Management Planning.** Addresses short-, medium-, and long-term planning for critical infrastructure, staffing, customer growth, financial needs, and the long-term viability of utilities;
 - d. **Updating Tariffs.** Explains when utility tariffs should be updated, the legal significance of approved tariffs, and the proper process for revising them;

- e. **The PSC Inspection Process.** Provides an overview of periodic PSC inspections, common issues identified during inspections, and practical steps utilities can take to improve inspection outcomes.

7. The proposed training program consists of six hours of instruction and should be accredited and approved as water management training satisfying the requirements set forth in KRS 74.020(7) to establish a water district commissioner's eligibility for a maximum annual salary of \$6,000. **KRWA is not requesting that the proposed training program be accredited as a program of instruction for newly appointed commissioners.**

8. A biographical statement containing the name and relevant qualifications and credentials for each presenter is attached at **Exhibit 2** of this application.

9. The PowerPoints for these presentations are attached at **Exhibit 3**. A copy of these presentations will be provided to each attendee. Should a presenter revise or amend his or her presentation prior to their scheduled session or provide additional written materials for the attendees, KRWA will include a copy of the revised presentation with its sworn statement and report regarding the instruction.

10. KRWA will apply or will shortly apply for accreditation of the proposed training program to the Department of Environmental Protection (Kentucky Operator Certification Program).

11. KRWA has sent notice of the proposed training program by electronic mail

to the water districts, water associations, and municipal utilities that are under Commission jurisdiction as well as representatives of investor-owned utilities, county judge/executives, county attorneys and others who are believed to have an interest in the proposed program's subject matter.

12. KRWA will retain a record of all water district commissioners attending the proposed training program.

13. Within the Ordered number of days of the proposed training program's completion, KRWA will file with the Public Service Commission a sworn statement:

- a. Attesting that the accredited instruction was performed;
- b. Describing any changes in the presenters or the proposed program curriculum that occurred after certification; and,
- c. Containing the name of each attending commissioner, their utility and the number of hours that he or she attended.

14. KRWA will include with the sworn statement documentary evidence of the program's certification by certifying authorities and a copy of any written material given to the attendees that has not been previously provided to the Public Service Commission.

15. KRWA will admit representatives of the Public Service Commission to the proposed training program at no charge to permit such representatives to assess the quality of the program's instruction, monitor the program's compliance with the Public Service Commission directives, regulations, or other requirements, or perform

any other supervisory functions that the Public Service Commission deems necessary.

WHEREFORE, KRWA requests that the Commission approve and accredit the proposed training program entitled “Water Commissioner Training” for six hours of water district management training.

Dated: July 22, 2026

Respectfully submitted,



Damon R. Talley
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Hodgenville, Kentucky 42748
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Counsel for Kentucky Rural Water
Association

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that this document was submitted electronically to the Public Service Commission on July 22, 2023, and that there are currently no parties that the Public Service Commission has excused from participation by electronic means in this proceeding.



Damon R. Talley

EXHIBIT 1

EXHIBIT 1
WATER COMMISSIONER TRAINING
Kentucky Rural Water Association 47th Annual Conference
Central Bank Center
Lexington, Kentucky
Monday, August 24, 2026

AGENDA

7:55 - 8:00 a.m. Welcome and Program Overview

Presenter(s): Jason Pennell, Kentucky Rural Water Association

8:00 - 9:00 a.m. Session 4B: Recent Developments in Utility Regulation

Presenter(s): Damon Talley, Stoll Keenon Ogden PLLC

1 hour DW/WW | Core Content H11 - Legal Issues for DW/WW Utilities Pertaining to Operations

This presentation reviews recent developments in public utility law and regulation. Topics include 2025 Kentucky legislation affecting public utilities, compliance with PSC Orders, keeping minutes of board meetings, borrowing money, and PSC investigations. The presenter will also examine and discuss recent court and PSC decisions.

9:10 - 10:10 a.m. Session 5B: Filings at the PSC: What Staff Needs, What Water and Wastewater Utilities Need, and How to Work Together (Part 1)

Presenter(s): Moriah Tussey, Assistant General Counsel; Noah Abner, Revenue Requirements Branch Manager - Public Service Commission; Tim Webb, Kentucky Rural Water Association; Russ Rose, General Manager - Oldham County Water District; Damon Talley and Tina Frederick - Stoll Keenon Ogden PLLC

1 hour DW/WW | Core Content H11 - Legal Issues for DW/WW Utilities Pertaining to Operations

Filing a case with the Kentucky Public Service Commission can feel complicated and overwhelming, but a clear understanding of the process can make it much more manageable. This session will explain what PSC staff need from utilities for various types of filings, what water and wastewater utilities should prepare in advance, and how utilities can work more effectively with the PSC throughout the process. Attendees will leave with practical guidance to help simplify filings, reduce delays, and create a smoother experience for everyone involved.

10:20 - 11:20 a.m. Session 6B: Filings at the PSC: What Staff Needs, What Water and Wastewater Utilities Need, and How to Work Together (Part 2)

Presenter(s): Moriah Tussey, Assistant General Counsel; Noah Abner, Revenue Requirements Branch Manager - Public Service Commission; Tim Webb, Kentucky Rural Water Association; Russ Rose, General Manager - Oldham County Water District; Damon Talley and Tina Frederick - Stoll Keenon Ogden PLLC

1 hour DW/WW | Core Content H11 - Legal Issues for DW/WW Utilities Pertaining to Operations

Building on the foundational information covered in Part 1, this session will take a deeper look at the Kentucky Public Service Commission filing process. Attendees will explore common filing challenges, frequent causes of delays, and practical ways to improve communication and coordination with PSC staff. The session will also provide additional guidance for water and wastewater utilities on preparing complete, accurate filings and navigating the process more efficiently from submission through final review.

11:20 a.m. - 1:00 p.m. Lunch

1:00 - 2:00 p.m. Session 7B: Asset Management Planning

Presenter(s): Richard Harrison and Kyle Boyle, Northern Kentucky Water District

1 hour DW/WW | Core Content H14 - Planning/Organization/Project Management

Asset management is too often an underutilized process for utilities. Long-term planning for the upgrading or replacement of critical infrastructure, staffing requirements, and customer growth is often underappreciated. This session will cover asset

management planning for utilities, focus on short-, medium-, and long-term financial planning, and emphasize the importance of asset management for future viability.

2:10 - 3:10 p.m. Session 8B: Updating Tariffs

Presenter(s): Tina Frederick, Stoll Keenon Ogden PLLC

1 hour DW/WW | Core Content H11 - Legal Issues for DW/WW Utilities Pertaining to Operations

Each PSC-governed utility develops its own tariffs. Once approved, tariffs are the rules by which the utility must operate with regard to its customers. Over time, tariffs can be forgotten or neglected and may need to be updated. This session offers guidance to help utilities determine when tariffs need revision and explains the correct process for updating them.

3:20 - 4:20 p.m. Session 9B: The PSC Inspection Process

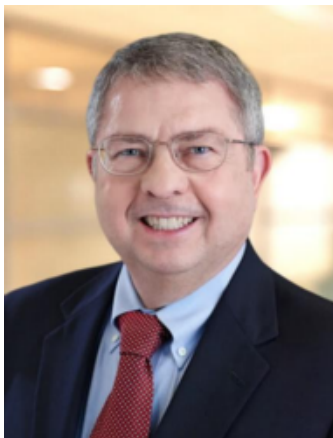
Presenter(s): Brandon Bruner, Public Service Commission; Jason Pennell, Kentucky Rural Water Association

1 hour DW/WW | Core Content H18 - Regulations, Permit Requirements, and Compliance

PSC inspections are one of the primary ways utilities interact with the Public Service Commission. This session will provide an overview of Kentucky Public Service Commission periodic inspections, including the inspection process and common issues that may be identified. The session will also provide practical information on improving inspection outcomes.

EXHIBIT 2

Damon Talley, Of Counsel - Stoll Keenon Ogden PLLC



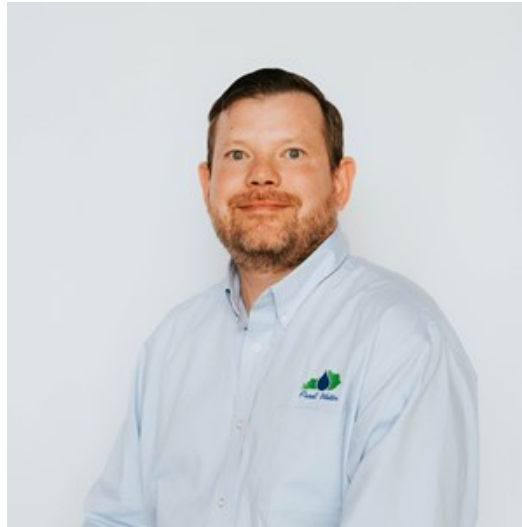
Damon joined Stoll Keenon Ogden's Utility & Energy practice as Of Counsel in 2015 and serves clients through the firm's Hodgenville, Lexington, and Louisville offices. He represents public utility clients before federal and state courts at the trial and appellate levels and handles rate adjustments, transfers of control, financing and construction applications, and consumer complaint proceedings. Before joining SKO, Damon worked for decades in private practice representing public utilities throughout Kentucky, with a primary focus on water utilities. He has served as general counsel of the Kentucky Rural Water Association since 1979 and frequently speaks at training sessions sponsored by KRWA, the Division of Water, the Utility Management Institute, and other utility groups.

Damon Talley, Of Counsel - Stoll Keenon Ogden PLLC



Tina is Counsel to the Firm in Stoll Keenon Ogden's Lexington office and is a member of the Utility and Energy Practice Group. Before joining the firm, she served approximately five years with the Kentucky Public Service Commission, first as a Staff Attorney and then as an Assistant General Counsel. She advised the Commission on rate adjustments, construction of utility facilities, issuance of debt instruments, and investigations of alleged violations of utility statutes and regulations. Her current practice addresses regulatory matters before the Kentucky Public Service Commission, including construction and financing applications, rate adjustment proceedings, and Commission investigations.

Jason Pennell, Compliance Specialist - Kentucky Rural Water Association



Jason Pennell joined the Kentucky Rural Water Association staff in August 2017 as a project specialist. His work has focused on the Energy Program, compliance issues, and other training and technical assistance programs. His water and wastewater experience began in Whitesburg in 2005, where he served in roles including meter reader, water treatment plant operator, laboratory manager, operations manager, and chief operator. From 2014 to 2017, Jason was a Utility and Regulatory Investigator for the Kentucky Public Service Commission. He holds Kentucky certifications as a Class IIIA Water Treatment Operator, Class II Water Distribution Operator, Class II Wastewater Treatment Operator, and Class II Collection System Operator, and he is certified in Pipeline and Manhole Assessment by NASSCO.

Moriah Tussey, Assistant General Counsel - Public Service Commission

Moriah Tussey serves as Assistant General Counsel for the Kentucky Public Service Commission. In this role, she manages a team of staff attorneys while serving as lead counsel on complex regulatory matters, including general rate cases, alternative rate adjustments, certificates of public convenience and necessity, and utility mergers and acquisitions.

She works closely with Commission staff and leadership on legal and regulatory issues and has represented the Commission in appeals before Kentucky circuit courts. Moriah also contributes to the Commission's training and educational initiatives. Her experience includes moderating a panel at the Nuclear Technical Conference, supporting water commissioner training, and assisting with the development and editing of training materials used throughout the Commonwealth. She has also presented at industry conferences and conducted training for Commission staff on a variety of legal and regulatory topics.

Russ Rose, General Manager - Oldham County Water District



Russ Rose has been in the water industry since 1997. He served as Assistant Manager for the North Shelby Water Company and the U.S. 60 Water District, Director for the LaGrange Utilities Commission, and has been the Chief Executive Officer for the Oldham County Water District since 2006. Oldham County Water has 21 employees, a 13 million gallon per day water treatment plant, serving over 8400 customers, and wholesaling water to the City of LaGrange. Russ serves as the President for the Kentucky Rural Water Association Board of Directors, on the Board for the KY Infrastructure Authority, chair of the KIPDA Regional Water Management Council, and is a member of the AWWA. He also serves on several committees locally and statewide for the Division of Water, KY Rural Water Association, and the KY Chamber of Commerce. Russ holds a Utility Management Certification from the National Rural Water Association, and a Utility Management Professional designation from the Utility Management Institute (KRWA). He is a certified water operator, licensed in Kentucky.

Tim Webb, General Manager - Cannonsburg Water District



Russ Rose has been in the water industry since 1997. He served as Assistant Manager for the North Shelby Water Company and the U.S. 60 Water District, Director for the LaGrange Utilities Commission, and has been the Chief Executive Officer for the Oldham County Water District since 2006. Oldham County Water has 21 employees, a 13 million gallon per day water treatment plant, serving over 8400 customers, and wholesaling water to the City of LaGrange. Russ serves as the President for the Kentucky Rural Water Association Board of Directors, on the Board for the KY Infrastructure Authority, chair of the KIPDA Regional Water Management Council, and is a member of the AWWA. He also serves on several committees locally and statewide for the Division of Water, KY Rural Water Association, and the KY Chamber of Commerce. Russ holds a Utility Management Certification from the National Rural Water Association, and a Utility Management Professional designation from the Utility Management Institute (KRWA). He is a certified water operator, licensed in Kentucky.

Noah Abner, Revenue Requirements Branch Manager- Public Service Commission



Noah Abner serves as Manager of the Revenue Requirements Branch within the Division of Financial Analysis at the Kentucky Public Service Commission. Before assuming this role, he worked for three years as a Public Utilities Financial Analyst with the Commission.

During his time at the PSC, Noah has worked on more than 200 cases across all regulated utility sectors. His experience includes utility financing, purchased water agreements, certificates of public convenience and necessity, water-loss surcharges, and rate cases involving water districts and associations.

Noah is a member of the Kentucky Energy and Environment Cabinet Leadership Academy's 2025–2026 class. Before joining the Commission, he worked as an Underwriter Assistant with Risk Placement Services, where he reviewed financial documents and renewal applications.

He earned a bachelor's degree in Business and Economics from the University of Kentucky.

**Richard Harrison, Vice President of Engineering and Distribution
Northern Kentucky Water District**



Richard Harrison is the Vice President of Engineering & Distribution at the Northern Kentucky Water District. He has a Bachelor of Science degree in Civil Engineering from the University of Kentucky and is a licensed professional engineer in the state of Kentucky. The group he manages is responsible for the asset management, project design and implementation of water main distribution and facility improvements. In addition, his team is also responsible for the maintenance and operations of the District's water distribution system as well as the implementation of the Northern Kentucky Water District's lead service line replacement program required through the USEPA's recently updated Lead and Copper Rule. Before rejoining the Northern Kentucky Water District on November 1, 2024, Richard was the Executive Director and Chief Engineer of the Ohio River Valley Water Sanitation Commission between 2015 and 2024. He also was the Northern Kentucky Water District's Vice President of Engineering, Production and Distribution between 2011 and 2015 and the District's Vice President of Engineering and Distribution between 1988 and 2011.

**Kyle Boyle , Engineering Manager of Asset Management and Infrastructure Planning
Northern Kentucky Water District**



Kyle Boyle is the Engineering Manager of Asset Management & Infrastructure Planning at the Northern Kentucky Water District (NKWD). He has a Bachelor of Science degree in Civil Engineering from the University of Kentucky. Kyle also has a Master of Business Administration degree and Project Management Professional (PMP) certification from the Project Management Institute. Kyle is responsible for leading the development and implementation of a utility-wide asset management program that ensures infrastructure and operational resources meet performance expectations. Additionally, this position contributes to the regulatory compliance and efficient operations of NKWD. Kyle has experience in waste and drinking water operations and has been with NKWD for about 2 years.

Tim Webb, General Manager - Cannonsburg Water District



Russ Rose has been in the water industry since 1997. He served as Assistant Manager for the North Shelby Water Company and the U.S. 60 Water District, Director for the LaGrange Utilities Commission, and has been the Chief Executive Officer for the Oldham County Water District since 2006. Oldham County Water has 21 employees, a 13 million gallon per day water treatment plant, serving over 8400 customers, and wholesaling water to the City of LaGrange. Russ serves as the President for the Kentucky Rural Water Association Board of Directors, on the Board for the KY Infrastructure Authority, chair of the KIPDA Regional Water Management Council, and is a member of the AWWA. He also serves on several committees locally and statewide for the Division of Water, KY Rural Water Association, and the KY Chamber of Commerce. Russ holds a Utility Management Certification from the National Rural Water Association, and a Utility Management Professional designation from the Utility Management Institute (KRWA). He is a certified water operator, licensed in Kentucky.

EXHIBIT 3

HOT LEGAL TOPICS

Damon R. Talley
Stoll Keenon Ogden PLLC
damon.talley@skofirm.com



August 24, 2026



DISCUSSION TOPICS

1. PSC Filings
2. 2026 General Assembly
3. Notable PSC Orders
4. Minutes



DISCUSSION TOPICS

5. Comply with PSC Orders
6. Borrowing Money
7. Cases to Watch





DISCLAIMER



PSA for PSC



2026 General Assembly



Notable Bills - House

- HB 103 Fluoride
- HB 392 Bidding Threshold
Increased
- HB 542 Eminent Domain
(Condemnation)



Notable Bills - Senate

- SB 8 PSC Changes
- SB 344 Mergers
- SJR 75 Affordability Study



HB 103 - Fluoride

- “Local Option”
 - Decision to Have Drinking Water Fluoridation Program Will Be Optional
 - Local Control
 - Decision Made by Governing Board of Water Producer
- Current Program Continues Until Decision Made to Cease



HB 103 - Fluoride

- Immunity Granted to Water Producer
- Passed House: 67 to 29 (2-5-26)
- Senate: Died
- Committee on Committees (2-6-26)



HB 392 - Bidding Threshold

- Raises Threshold from \$40,000 to \$50,000
- Amends KRS 424.260 & KRS 45A
- Threshold Increases By \$10,000 on 1-1-30 and Every Five Years After



HB 392 - Bidding Threshold

- Passed House: 97 to 0
- Passed Senate: 38 to 0
- Governor Signed: 4-7-26



HB 542 - Eminent Domain

- Limits Condemnation of Land Subject to Conservation Easement or Agricultural District
 - Utilities Exempt from Portions of these Requirements
 - If:
Does Not Interfere with
Agricultural Operations or
Infrastructure

(continued)



HB 542 - Eminent Domain

- All Condemnation Actions
 - Independent Appraisal – 60 Days
 - Utility May Be Required to Pay Landowner's Costs & Attorney Fees
 - Additional Notice Requirements
 - More Hurdles



HB 542 - Eminent Domain

- Passed House: 90 to 0
- Passed Senate: 38 to 0
- Governor Signed: 4-13-26
- Emergency Declared: 4-13-26



SENATE BILLS



SB 8 - PSC Changes

What Does It Do?

- From 3 to 5 Commissioners
 - Governor – Appoints All 5
- Chair Elected by Commissioners
 - Four Year Term
- Specific Qualifications
 - Must Have 2 Attorneys

(cont.)



SB 8 - What Does It Do?

- Political Diversity
- Term Limits: 3 Terms
- Executive Director
 - Now: Appointed by Gov.
 - SB8: Appointed by Commissioners
 - SB8: Senate Confirmation
- Many Other Administrative Changes

(cont.)



SB 8 - What Does It NOT Do?

- Attorney Gen. Still Has Statutory Right to Intervene
- Intervention by Others
 - Does **Not** Curtail this Right
 - “Special Interest” Not Otherwise Adequately Represented
 - Original Bill Almost Abolished Right to Intervene

(cont.)



SB 8 - PSC Changes

- Emergency Provision
- Effective: 4-14-26
- Governor Has Until 5-14-26 to Appoint 2 Commissioners



SB 344 - Mergers

- Gives Fiscal Courts Right to Request PSC to “Study” Merger of Water Districts Within Its County
 - PSC Then Required to
 - Conduct Study
 - Prepare Feasibility Report
 - PSC Already Has This Authority



SB 344 - Mergers

- Introduced: 03-02-26
By Senator Gex Williams
- Status: C on C 03-02-26
 - Never Assigned to Committee
- Died w/o Committee Hearing



SJR 75 - Affordability

What Does It Do?

- Requires PSC to Study Affordability
 - Low & Fixed Income Individuals
 - Reduce Disconnections
- PSC Open Administrative Case
 - All Utilities
 - Data Requests
- Report to Legislature: 9-1-27



SJR 75 - Affordability

- Introduced: 3-02-26
- Passed Senate: 36 to 0
(3-13-26)
- No Vote in House



PSC Assessment Increase

- PSC Financed by Assessment on Utility Revenues
- Current Rate: 1.595 mills
(\$1,590 per \$1,000,000 Revenue)
- New Rate: 2.300 mills
(\$2,300 per \$1,000,000 Revenue)
- 45% Increase



Notable PSC Orders



PSC Case No. 2024-286

Filed: 10-18-2024

Utility: Warren County WD

Type: CPCN – Construct
Headquarters

Decided: 02-18-2025



Warren County WD

- Unique Features:
 - Design Build Contract
 - Emergency Operations Center Included in New Building



PSC Case No. 2023 - 252

Filed:	08-18-2023
Utility:	Oldham Co. W.D.
Type:	ARF Case
Issue:	Full Recovery of Cost of Employee Benefits
Hearing:	04-19-24
Decided:	06-18-24



Oldham Co. W.D. (OCWD)

PSC Order (50 Pages):

- Applied BLS Reduction %
- Disallowed Recovery of \$125,000 in Health Insurance Costs
(OCWD Pays 100%)

(continued . . .)



OCWD (continued)

PSC Order:

- OCWD Failed to Meet
Its Burden of Proof
 - Proof Insufficient to Overcome
PSC Precedents
 - 43 Cases Align with
BLS National Average

(cont . . .)



OCWD (continued)

PSC Order:

- OCWD Has Appealed Decision
 - When? July 18, 2024
 - Where? Franklin Circuit Court
 - Case No: 24-CI-00725



Oldham Co. W.D. VS Public Service Commission

What? Appeal

Where? Franklin Circuit Court

Case No: 24-CI-00725

(continued . . .)



Oldham Appeal (continued)

Filed: July 18, 2024

PSC Answer: Aug. 09, 2024

Briefing Schedule: Nov. 22, 2024

Jan. 10, [&]2025

Oral Arguments: May 20, 2025

Decided: Sept. 24,
2025



Oldham (continued)

Issues on Appeal:

- PSC Acted Unlawfully
- BLS Reduction Not Supported by Substantial Evidence
- Denied Due Process
- PSC Violated KRS 13A.100



Oldham (continued)

Decision: PSC Order Reversed

Basis:

- PSC Violated
KRS 13A.100
- BLS Reliance
Was Arbitrary
- PSC Acted Unlawfully

(continued . . .)



Oldham (continued)

Holding:

Oldham Can Include 100% of
Its EE Health Insurance Costs
In Its Rates

➤ \$125,241 Per Year

(continued . . .)



Oldham (continued)

Rationale:

Oldham Demonstrated That:

- Paying 100% of Health Insurance Benefits
 - Fair, Just & Reasonable
 - In the Market That It Served
 - Best Interest of Its Customers

(continued . . .)



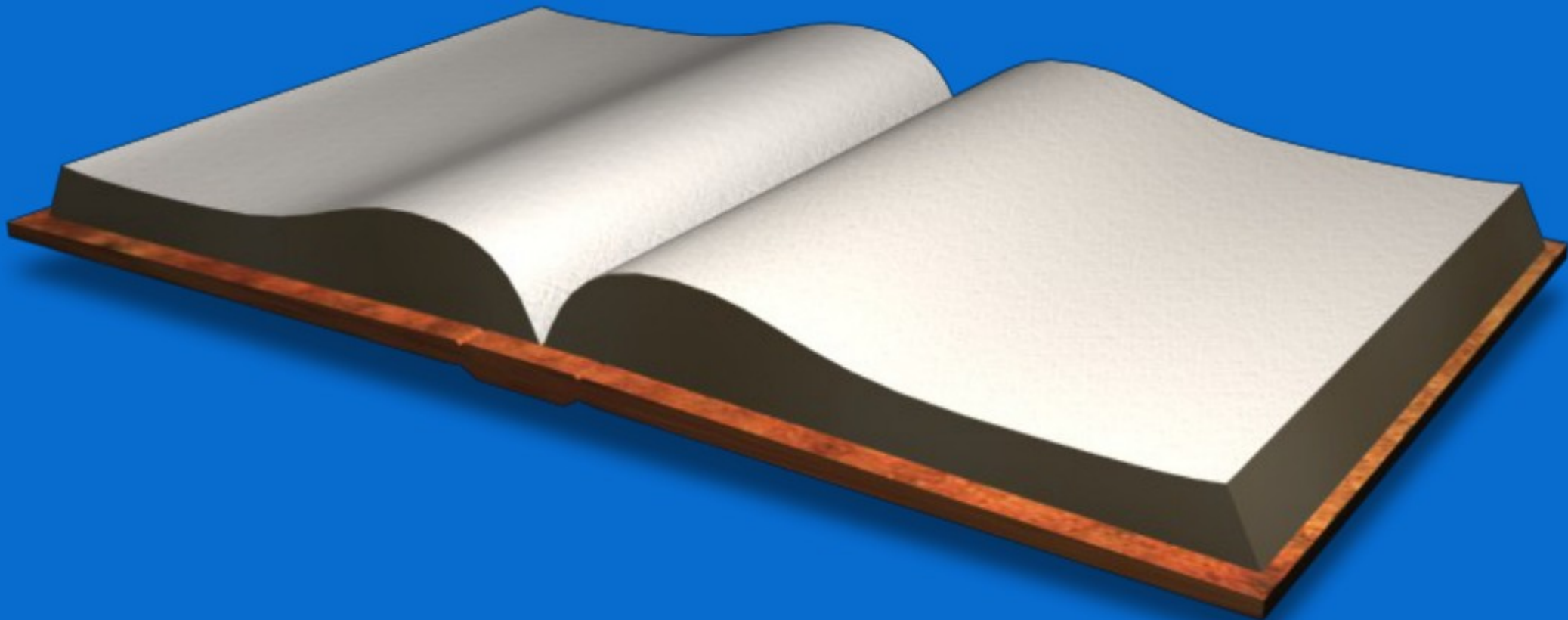


Talley's Tips

1. Demonstrate That Total Compensation Package Is Fair, Just & Reasonable
 - Salary
 - Benefits
2. Market Area
3. Recruit & Retain Employees
4. Robust Evidence
 - May Require Consultant



MINUTES



What Are MINUTES?

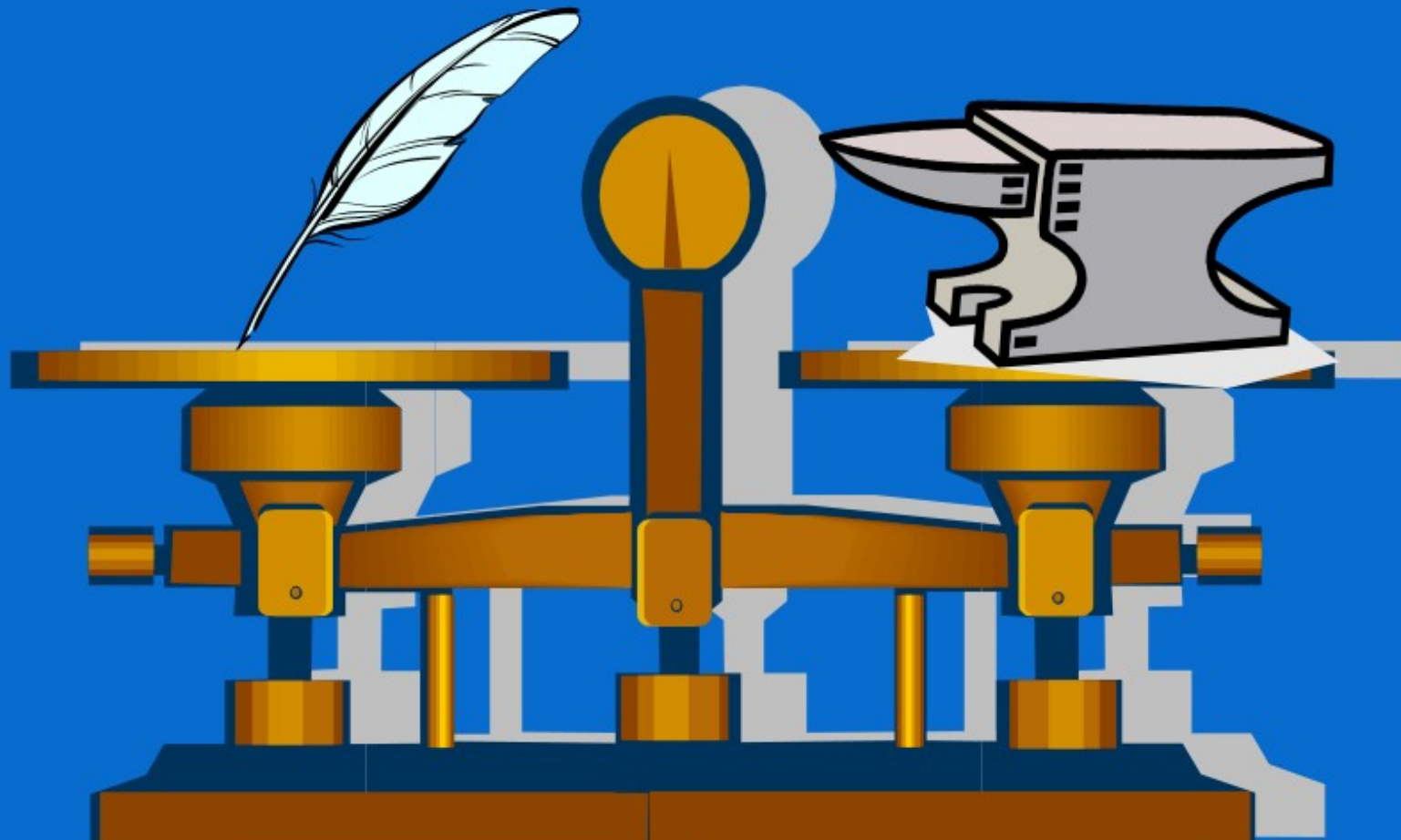
- Official Record
- Much, Much More . . .



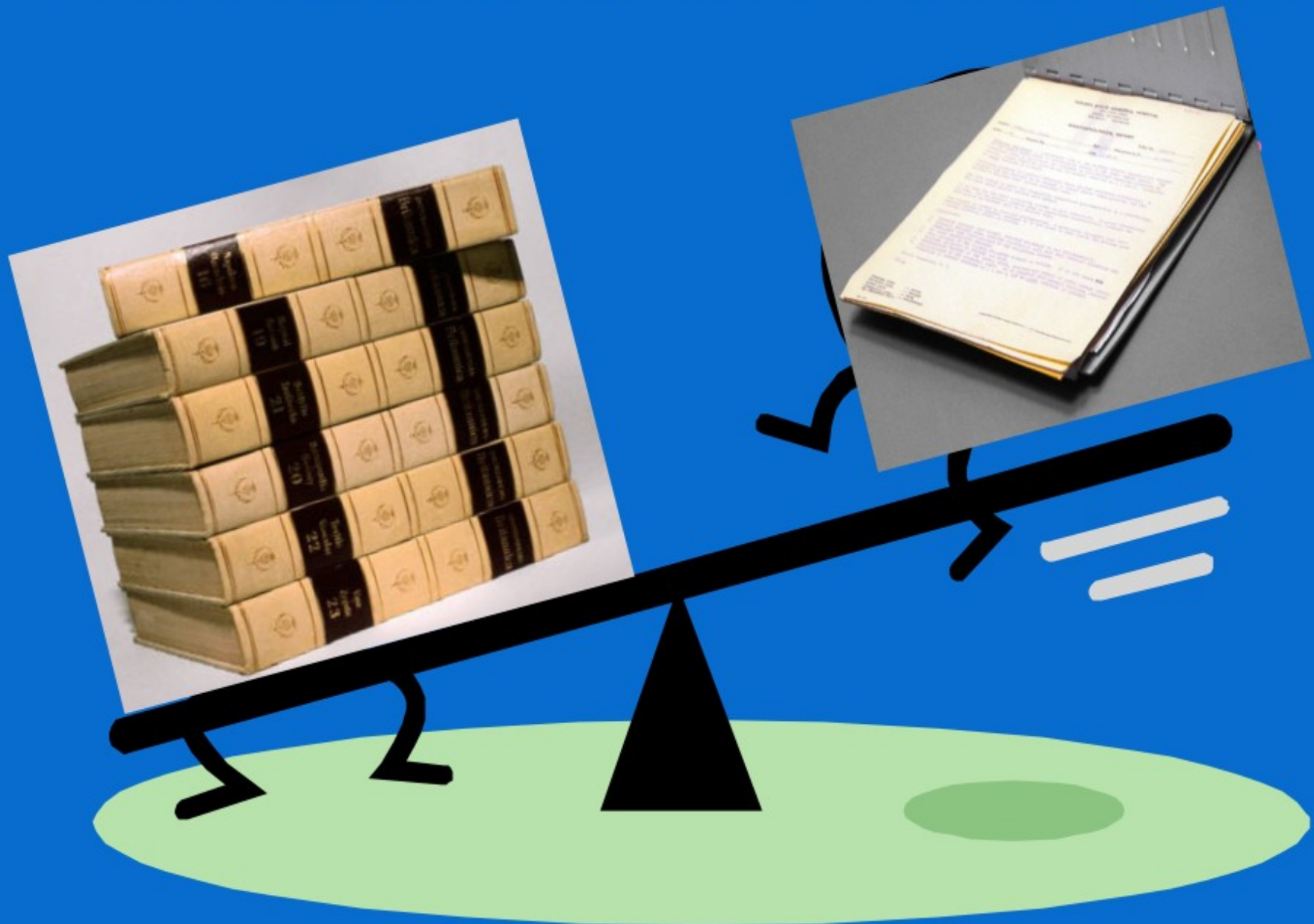
AN OUNCE
OF
PREVENTION

=

A POUND
OF CURE



How much information **SHOULD** be included in the MINUTES?



Minutes

How MUCH is too MUCH?

- No definitive answer
- Art not a science

Cont.



Minutes ...

How MUCH is too MUCH?

- Guidelines
 - Minutes are **NOT** a transcript
 - Minutes are **NOT** the Congressional Record
 - Include rationale for action taken if it might avoid lawsuit



Excerpt From Minutes

“Motion was made by Commissioner X and seconded by Commissioner Y to hire Commissioner Z to perform water line inspections on the Knob Hill Project at an hourly rate of \$20.”



“Conversations are
NOT official actions
of the Board.”

Virginia W. Gregg

Former PSC Staff Attorney



WHY Include Summary of Conversations in Minutes?

- Document Board's Due Diligence (e.g. Water Loss)
- Document Board's Oversight Role (e.g. Compliance with PSC Orders)
- Avoid or Win Litigation





Talley's Tips

Prepare Minutes for a Reader ...

1. Who did not attend the meeting.
2. Who will not read the Minutes until at least one year later.
3. Who is employed by PSC.
4. Who will access Minutes via www.



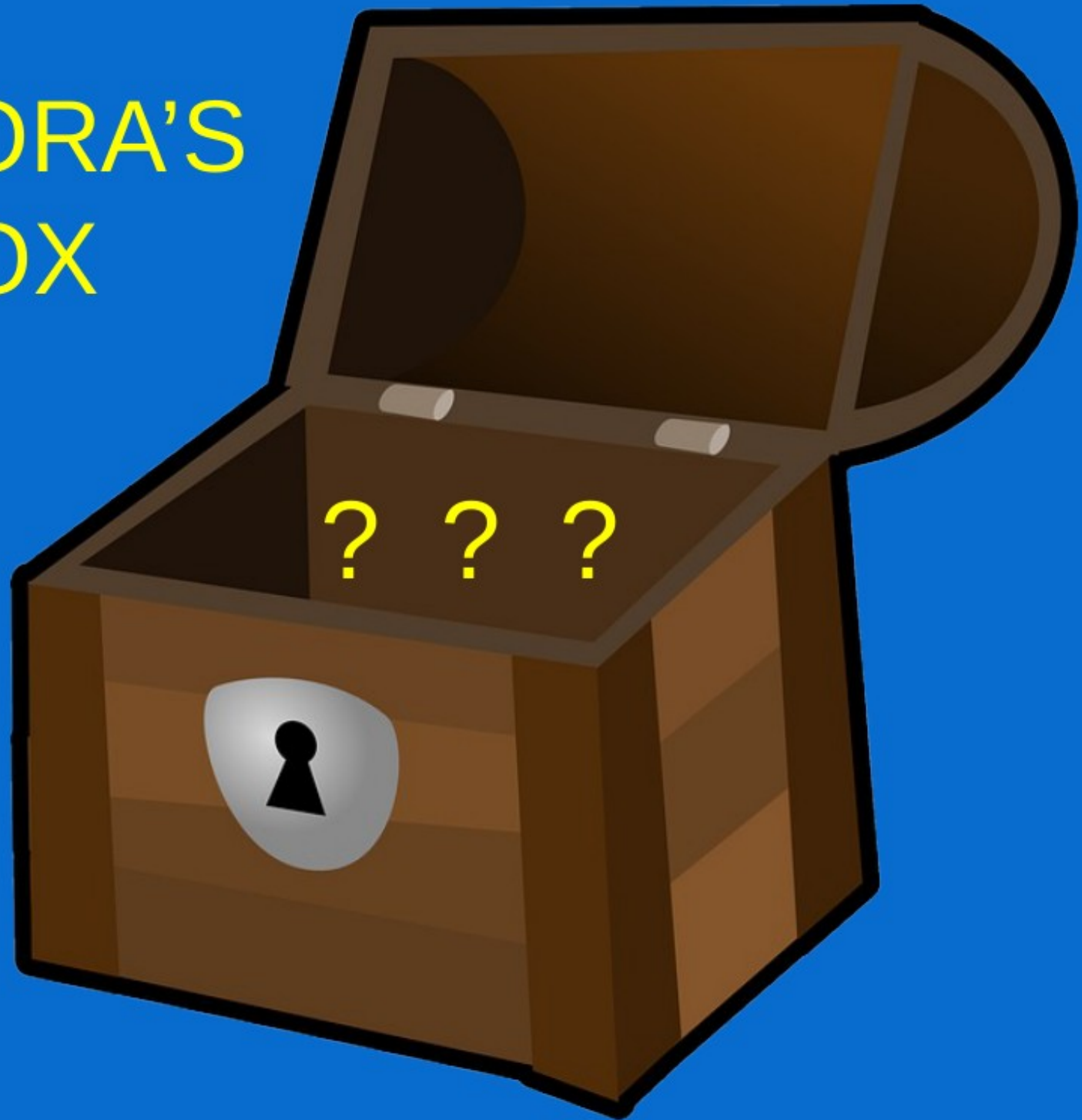
**Comply
With All
PSC
Orders**



“ . . . for allegedly failing to comply with the Commission’s March 10, 2020 Order in Case No. 2019-00458. The willful failure to comply presents prima facie evidence of incompetency, neglect of duty, gross immorality, or nonfeasance, misfeasance, or malfeasance in office sufficient to make [the District’s] officers and manager subject to the penalties of KRS 278.990 or removal pursuant to KRS 74.025. The Commission finds that a public hearing should be held on the merits of the allegations set forth in this Order.”



PANDORA'S BOX



Borrowing



KRS 278.300(1)

No utility shall issue any securities or evidences of indebtedness . . . until it has been authorized to do so by order of the Commission.



Practical Effect

- Must Obtain PSC Approval Before Incurring Long-term Debt (Over 2 Years)
- Exception:
 - 2 Years or Less
 - Renewals
 - (3 X 2 = 6 Years)
 - (6 X 1 = 6 Years)





Violation

Show Cause Cases



Show Cause Cases Borrowing Money

First Case:

2022-252



Case # 1

Case No.2022 - 252

Opened: 02-16-2023

Issue: KRS 278.300
(4 Violations)

Hearing: 08-01-2023

Decided: 10-17-2023



Case # 1

Facts: Leased 4 Trucks
4 & 5 Year Terms

Issue: Is Long Term Lease
An evidence of
Indebtedness ?

Holding: Yes



Case # 1

Outcome:

- GM & Directors (Water Assoc.)
 - Fined \$250 (Waived)
 - 12 Hours of Training
 - 6 More Hours Annually
- Future Directors
 - 6 Hours Training Annually



Cases To Watch



Case No. 2025-226

Opened: 12-13-2025

Type: Investigation

Issue: City Charging Water
District Unapproved
Wholesale Rate

Outcome: Still Pending

(continued . . .)



Case No. 2025-226

Facts:

- City's Wholesale Rate: \$2.10
(Approved by PSC: 09-03-2009)
- Rate Increased to: \$2.92
 - Increased Gradually Since 2018
 - Water District Did Not Notice or Object to Increase

(continued . . .)



Case No. 2025-226

Facts (continued):

- Nothing Filed by City With PSC Since 2009
- PSC Discovered in ARF Case Filed by Water District
- PSC Disallowed Recovery of Unapproved Rate by W.D.

(continued . . .)



Case No. 2025-226

Facts (continued):

- W.D. May Be Entitled to Refund of Approx. \$165,000
- How Could This Happen?
 - City's Bill Not Easy to Understand
 - Turnover in W.D. Staff





QUESTIONS?

damon.talley@skofirm.com

270-358-3187



TARIFFS

Practical Considerations for Water Utilities

August 24, 2026

Tina Frederick

Stoll Keenon Ogden PLLC

tina.frederick@skofirm.com

Adapted from a presentation developed by Gerald Wuetcher

Under Discussion

1. Legal Framework
2. Process of Revising Tariff
3. Tariff Provisions to Consider
4. Managing Your Tariff





DISCLAIMER



Legal Framework

KRS 278.160(1)

Under rules prescribed by the commission, each utility shall file with the commission, within such time and in such form as the commission designates, schedules showing all rates and conditions for service established by it and collected or enforced. The utility shall keep copies of its schedules open to public inspection under such rules as the commission prescribes.

Legal Framework

KRS 278.160(2)

No utility shall charge, demand, collect or receive from any person a greater or less compensation for any service rendered or to be rendered than that prescribed in its filed schedules, and no person shall receive any service from any utility for a compensation greater or less than that prescribed in such schedules.

What Is A Rate?

[A]ny individual or joint fare, toll, charge, rental, or other compensation for service rendered or to be rendered by any utility, and any rule, regulation, practice, act, requirement, or privilege in any way relating to such fare, toll, charge, rental, or other compensation, and any schedule or tariff or part of a schedule or tariff thereof.

KRS 278.010(12).

Examples of a “Rate”

- Commodity Charge
- Meter Tap Fee
- Billing Recalculation Policy
- Length of Time to Pay Bill
- Minimum Contract Period
- Rule/Regulation

What is A Condition of Service?

Requirement, action or task that must be met or taken by an applicant for service as a **prerequisite** for receiving or continuing to receive service.

Examples of A “Condition of Service”

- Completing an Application Form
- Providing Evidence of an Inspection
- Deposit Requirement
- Easement Requirement
- Technical Specifications for Connection

Tariff Has The Status of Law

- PSC has adopted a regulation to implement the provisions of KRS 278.160.
- **807 KAR 5:006, Section 6 provides that:**
 - A utility shall not establish a special rule or requirement without obtaining PSC approval;
 - Unless specifically authorized by the PSC a utility shall not deny service to someone who has complied with all conditions of service in the utility's tariff.

Effect of KRS 278.160 & 807 KAR 5:006

- Only Filed Rates May Be Charged
- Only Filed C of S May Be Imposed
- All Filed Rates and C of S **MUST** be enforced
- Tariff Governs Utility's Relationship With Customer



If its **in** your tariff,
you **MUST** do it!

If its **not in** your
Tariff, you
Can Not do it!



Failure to Comply with KRS 278.160

The “Filed Rate Doctrine”

- Refund/Back billing
- Assessment of Civil Penalties Against:
 - Utility
 - Manager
 - Water District Commissioners
- Removal of Water District Commissioners



Where Can I Find Our Tariff

- Should have a hard copy in the Utility's files
- Official Tariff is on the PSC Website:

Ky.gov An Official Website of the Commonwealth of Kentucky

 **Kentucky Public Service Commission**

psc.ky.gov General **Commission Records** For Consumers Utility Information SiteMap Employment Contact Us

Register Login

Q ENHANCED BY Google

KY PSC Records

Cases	Financial	Tariffs
Search All Cases	Annual Reports	Current Tariffs
Browse All Cases	Audit Reports	Proposed Tariff Changes Under Review
Docket Reports	Annual Report Statistics	Proposed Tariff Changes Post-Review
Hearing Videos	Annual Reports Electronic Filing Instructions	Tariff Monitoring Instructions
Hearing Calendar	Gross Operating Revenue Reports	Tariff Filing Instructions
Sign up for Case Notification	Uniform System of Accounts	

Orders		Other
Current Orders	Filers Login/Register	Managements Audits
Orders Vault	Filers Create an Account (video)	Staff Opinions
	Open Records Request Information	Utility Master Search
		Fuel Contracts
		Fuel Adjustment Clause



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Tariffs Library

Folder Name
Electric
Natural Gas
Sewer
Telecommunications
Water
Xtra Info



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Folder Name

[Districts, Associations, & Privately Owned](#)

[Municipals](#)

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Phone [\(502\) 564-3940](tel:(502)564-3940)

Email EECPSCIT@ky.gov

Page being reported:

<https://psc.ky.gov/Home/Library?type=Tariffs&folder=Water>.



Register

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Tariffs Library

Parent Folder

Folder Name
Allen County Water District
Barkley Lake Water District
Bath County Water District
Beech Grove Water System
Big Sandy Water District
Black Mountain Utility District
Bluegrass Water Operating Company
Boone County Water District
Bracken County Water District
Breathitt County Water District
Bronston Water Association
Buffalo Trail Water Association
Bullock Pen Water District
Butler County Water System
Caldwell County Water District
Cannonsburg Water District
Carroll County Water District #1
Cawood Water District
Christian County Water
Columbia-Adair Utilities District

Procedure for Revising Tariffs

- General Procedures:
 - 30 days Notice to PSC
 - “Notice” is filing of New Tariff Sheet
 - Submit Cover Letter & Tariff Sheet
 - Tariff Sheet must comply with PSC Regs
 - PSC provides Tariff Sheet Templates on its website.



Revising Tariffs Continued

- General Procedures:
 - Tariff Sheet Should State the Effective Date
 - Attorney Is Not Required
 - Public Notice Must be Provided

PUBLIC NOTICE

- Three options for providing “Customer” Notice:
 - Mail Notice with customer bills mailed no later than the date the tariff is filed with the PSC
 - Mail written notice to each customer
 - Publish notice one a week for 3 consecutive weeks in local newspaper

Public Notice

- Must Make Public Postings
 - At Utility's Office
 - On The Utility's Website
 - On Any Social Media Page Maintained by the Utility
 - Follow **807 KAR 5:11, Section 8(4)** concerning the Requirements for Notice Content

Possible PSC Responses to Tariff Filings

- Take No Action: Tariff becomes effective 30 days from filing
- Request Minor Modifications
- Suspend and Investigate (now an attorney is required)
- Final Action from PSC: within 10 months of filing



Nonrecurring Charges

A charge designed to recover customer-specific cost incurred that would otherwise result in monetary loss to the utility or increased rates to other customers to whom no benefits accrue from the service provided or action taken.



Examples of Nonrecurring Charges

- Connection Fees
- Inspection Fees
- Returned Check Fees
- Turn-off/Turn-on Charges
- Service Call/Investigation Charges



Nonrecurring Charges

Documents That Must be Filed with a Nonrecurring Charge Tariff Filing in Addition to Cover Letter & Tariff Sheet:

- Specific Cost-Justification Sheets & Supporting Documentation
- Income Statement & Balance Sheet for 12-month Period ending no more than 90 days before filing
- Statement about Why Not Filed in a Rate Case



Common Mistakes Tariff Filings

- No Signature On Tariff Sheets
- No Effective Date
- Failure to Use Correct Tariff Format
- Failure To Give Proper Notice
- Failure to Adequately Explain Reasons for Proposed Rule or Rate **AND** to Document Those Reasons **GOAL: AVOID SUSPENSION**



To Avoid Tariff Filing Mistakes

- Download/Use PSC Forms
- Provide Signature/**Effective Date**
- Notice – Timing (Provide at least 30 days Notice)
- Cover Letter Should Provide Lengthy Explanation for Rate/Rule
- Provide Supporting Documents (What Would Staff Want/Need To Know?)



Tariff Provisions To Consider

- **Required Provisions:**
 - Deposit Requirements
 - Budget Payment Plans
 - Reconnect Charge
 - Requested Meter Test Charge
 - All other “special” or nonrecurring charges
 - Rules regarding size, design, material & installation of service lines
 - Rules regarding service line installation & maintenance
 - Customer Usage Monitoring procedures

Tariff Provisions to Consider

- Provisions Your Utility May Need or Want:
 - Leak Adjustments
 - “Hit Rock” provision in meter tap fee language
 - Turn-on/Turn-off provisions for seasonal residences
 - Billing provision for service to more than one residence from a single meter
 - Line Extension provision that reduces or eliminates refunds to Real Estate Developers

Tariff Provisions to Consider

- **Provisions Your Utility May Need or Want:**
 - Service Disconnection for waste of water
 - Service Disconnection for tampering or interfering with facilities
 - Imputed Liability to adults at service address
 - Utility Liability Disclaimer for service interruption, failure to provide flows adequate for fire suppression, damage to customer facilities caused by water pressure fluctuation

Managing Your Tariff

- Know the contents of the tariff
- Bylaws do not belong in the tariff
- Review at least annually
- Encourage utility Staff involvement in review
- Realize that the tariff is not an internal Management & Practices Manual
- Sample bills, applications for service, and other forms required by the tariff should be included as attachments to the tariff

Managing Your Tariff

How **old** are some of the provisions?

- How many decades are represented in your
➤ tariff?

- Have the regulations applicable to a particular provision changed?

What is the general appearance of the tariff?

- Do you follow policies and practices that are Not in your tariff?

Are there issues you are facing regularly that your

Examples of Tariff Language to Address Specific Concerns

Long Service Line Across Adjacent Property:

“A service line running from the point of connection to the water main to the point of delivery shall not be located on any private property other than the Applicant’s property. No service line running from the point of delivery to the point of consumption shall be located on property other than the Applicant’s property unless the Applicant has obtained from the other property owners a private utility easement for the service line and recorded such easement with the County Clerk’s office.”

Examples of Tariff Language to Address Specific Concerns

Cost of Encountering Rock When Making a Meter Tap:

“An additional charge shall be made for meter connections where rock is encountered, such rock condition being defined as limestone or other hard stratified material in continuous volume of at least one cubic yard or more and which cannot be removed using ordinary excavation equipment. The charge shall be applied per linear trench foot and shall not exceed the actual cost of excavation.”

Examples of Tariff Language to Address Specific Concerns

Cost of Encountering Rock When Making a Meter Tap:

“Meter Connection Fee does not include any expense for boring in rock areas or any expense for rock removal. Customer will be assessed an additional charge for any rock boring or removal. The charge for rock removal shall be applied per linear trench foot and shall not exceed the actual cost of excavation. Fee also does not include the exceptional directional bore costs in which the directional bore exceeds 35 feet. In such case, the actual cost incurred for directional boring in excess of 35 feet not reflected in the Meter Connection Fee will be added to the Fee”

Does Your Tariff Look Like This?

Or worse. . .

Maybe Consider Revising It

Hand-Written Information ?

FOR South Eastern Pulaski Co.
Community, Town or City

P.S.C. KY. NO. _____

_____ SHEET NO. _____

CANCELLING P.S.C. KY. NO. _____

_____ SHEET NO. _____

SOUTH EASTERN WATER
(Name of Utility) ASSOCIATION, INC

RULES & REGULATIONS

Distorted or Crooked Print?

WATER LEAK ADJUSTMENT POLICY

In the event of a Water Leak, which the system deems is beyond the reasonable control of the customer, there may be adjusted as follows:

A. Water Leak will be adjusted using the following formula:

1. The average usage of the customer for the previous twelve months shall be determined plus 10,000 gallons over the average. Then the excess of the current period shall be charged at the current wholesale rate, with the

PUBLIC SERVICE COMMISSION

Older Tariff Forms

This Sheet:

1. Crooked Print
2. Inconsistent
Stamp Location
3. Prior to 807 KAR
5:011 Section
3(4)

Form for filing Rate Schedules

For Community, Town or City

P.S.C. NO. _____

SHEET NO. 1

CANCELLING P.S.C. NO. _____

SHEET NO. 1

Name of Issuing Corporation _____

CLASSIFICATION OF SERVICE _____

	RATE PER UNIT
ALL BILLS ARE SENT OUT ON THE LAST WORKING DAY OF EACH MONTH. ALL BILLS ARE DUE ON THE 10th OF EACH MONTH. PENTYLY OF 10percent IS ADDED TO THE UNPAID BALANCE ON THE 12th OF EACH MONTH. DELINQUENT NOTICES ARE SENT OUT ON THE 12th DAY OF THE MONTH. DISCONTINUANCE OF SERVICE SHALL BE EFFECTED NOT LESS THAN twenty (20) DAYS AFTER THE MAILING DATE OF THE ORGIN-AL BILL.	
PUBLIC SERVICE COMMISSION OF KENTUCKY EFFECTIVE OCT 02 1997 PURSUANT TO 807 KAR 5011, SECTION 9(1) BY: <u>Stephan D. Bay</u> SECRETARY OF THE COMMISSION	
DATE OF ISSUE _____	DATE EFFECTIVE _____
ISSUED BY <u>Joe Richards, Jr.</u> Name of Officer	TITLE <u>President</u>
Issued by authority of an Order of the Public Service Commission of Kentucky in Case No. _____ dated _____.	

All From One Current Tariff

1984

Public Service Commission
OF KENTUCKY
EFFECTIVE

Charges on
regular tariff schedule
on file in the office
, Kentucky.

NOV 27 1984

PURSUANT TO 807 KAR 5:011,
SECTION 9 (1)

BY: Jordan C. Neal

DATE EFFECTIVE Nov. 27, 1984

TITLE Chairman

1994

tribution to the
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on fee shall not
tension and may be
ear refund period
to the extension
er the five
quired to make
ccordance with

PUBLIC SERVICE COMMISSION
OF KENTUCKY
EFFECTIVE

SEP 11 1994

PURSUANT TO 807 KAR 5:011,
SECTION 9 (1)

BY: Jordan C. Neal
FOR THE PUBLIC SERVICE COMMISSION

2004

Public Service Commission
OF KENTUCKY
EFFECTIVE

DATE OF ISSUE March 2 2004
Month / Date / Year

DATE EFFECTIVE _____
Month / Date / Year

ISSUED BY Don H. Daulton
(Signature of Officer)

TITLE Chairman

BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE
COMMISSION

IN CASE NO. _____ DATED _____

APR 04 2004

PURSUANT TO 807 KAR 5:011
SECTION 9 (1)

BY: Charles L. Brown
EXECUTIVE DIRECTOR

Delete Language No Longer Effective Don't Issue Strike-Through Sheets

~~Temporary Emergency Tariff~~

(T)

~~Due to the recent catastrophic floods in late July of 2022, Southern has instituted a temporary emergency tariff for the purpose of assisting the community in its flood relief and clean-up efforts:~~

(T)

(T)

~~If a customer's water usage is greater than 25 percent more/above said customer's six-month water usage average during the August 2022 or September 2022 billing cycles, Southern will issue bills based upon said customer's six-month average usage, rather than the actual metered usage.~~

(T)

(T)

(T)

(T)

Don't Skip The Cover Page

- Does it have accurate information?
- Does it comply with 807 KAR 5:011, §3(2)
 - Mailing Address
 - Street Address
 - Web Address
 - Service Area

Cover Pages

Does not comply w/Reg

P.S.C. Ky. No. 10622
Cancels P.S.C. Ky. No. 9271

OF
Grayson, Carter County, KY.

Rates, Rules and Regulations for Furnishing
Water Service

AT
Rural portions of Carter, Elliott and Lawrence Counties KY.

PUBLIC SERVICE COMMISSION
OF KENTUCKY

JAN 20 1989

PURSUANT TO KAR 5.011,
SECTION 9(1)

BY: *[Signature]*
PUBLIC SERVICE COMMISSION MANAGER

Filed with PUBLIC SERVICE COMMISSION OF
KENTUCKY

ISSUED January 20, 1989 EFFECTIVE January 20, 1989

ISSUED BY (Name of Utility)
BY *[Signature]*
Chairman

Does comply w/Reg

PSC KY NO. 14
CANCELLING PSC KY NO. 13

HARDIN COUNTY WATER DISTRICT NO. 2

1951 WEST PARK RD
ELIZABETHTOWN, KENTUCKY 42701

P.O. Box 970
ELIZABETHTOWN, KENTUCKY 42701

www.hcwd2.org

RATES – CHARGES – RULES – REGULATIONS
FOR FURNISHING
WATER SERVICE
IN
HARDIN COUNTY, AND PORTIONS OF LARUE AND HART COUNTIES
KENTUCKY

FILED WITH THE
PUBLIC SERVICE COMMISSION
OF
KENTUCKY

DATE OF ISSUE March 25, 2025
MONTH - DATE - YEAR

DATE EFFECTIVE June 13, 2025
MONTH - DATE - YEAR

ISSUED BY /s/ Shaun Younqvich
SIGNATURE OF OFFICER

TITLE General Manager

BY AUTHORITY OF ORDER OF THE PUBLIC SERVICE COMMISSION IN
CASE NO. DATED

**KENTUCKY
PUBLIC SERVICE COMMISSION**
Linda C. Bridwell
Executive Director

[Signature]

EFFECTIVE
6/13/2025
PURSUANT TO 807 KAR 5.011 SECTION 9 (1)



QUESTIONS?

Tina.frederick@skofirm.com



ENGINEERING – ASSET MANAGEMENT AND INFRASTRUCTURE PLANNING

Presented by:

Kyle Boyle, *Engineering Manager- Asset Management & Infrastructure Planning*

Richard Harrison, *Vice President of Engineering & Distribution*



AGENDA

- NKWD Background
 - Why is an Asset Management Program (AMP) Needed
 - Development of District's AMP
 - AMP Moving Forward
 - NKWD's AMP Components
 - Where to start?
 - Questions
- 
- The bottom of the slide features decorative wavy lines in shades of blue and light blue, creating a modern, flowing aesthetic.

ABOUT US



229 Square
Mile
Service Area



Over **88,000**
Active
Accounts



300,000
Served
Population



~181
Employees



\$70.5 Million
Operating
Revenue



\$180
Million, 5-
Year Capital
Budget



Average
Demand:
26 MGD



3 Raw
Water
Pump
Stations



3
Treatment
Plants



13 Pump
Stations



19 Storage
Tanks



1,338 Miles
of
Water Main

NKWD STRUCTURE

- Chartered under Chapter 74 of Kentucky Revised Statutes
- Largest Water District in Kentucky
- 3rd Largest Water Provider in Kentucky
 - Louisville Water: Serves approximately 1,000,000
 - Kentucky American Water (Lexington): Serves approximately 500,000
 - Northern Kentucky Water District: Serves approximately 300,000
- Combination of 18 Merged Water Entities
 - Merger of Campbell and Kenton Districts (1997)



MERGERS

- Very old systems:
 - Covington: 1891
 - Newport: 1873
- Small systems with limited resources
- Pre-merger records did not always exist, were not always consistent, or were not always accurate



WHAT IS ASSET MANAGEMENT?

- Managing public assets to get maximum value
- Providing services that customers expect at the lowest total cost
- Planning to have equipment and funding available when it's needed
- Using data from every department to maximum benefit
- Asset management practiced at NKWD for 20+ years
- Asset management role relatively new (2023)

WHAT IS ASSET MANAGEMENT?

- Know what you have (inventory)
- Know the condition of what you have
- Prioritize critical assets
 - **Prob Of Failure/ Consequence Of Failure**
- Life Cycle
 - O&M Strategies (Predictive/ Reactive)
 - 3R (Rehab, Replace, Repair)
 - Capital and O&M funding



WHY DO ASSET MANAGEMENT?



**Mitigate
Public Health
Risk**



**Avoid
Financial
Consequences**



**Positive
Operational
Impacts**



**Assist in Federal
Law, State Law, and
Regulatory
Compliance**



**Improve
Funding
Opportunities**



**Manage
Reputational
and Governance
Risk**

MITIGATE PUBLIC HEALTH RISK

Infrastructure failures (main breaks, treatment plant malfunctions, storage tank contamination) can cause boil-water advisories, service interruptions, and exposure to contaminants.

Proactive asset management is a core obligation to mitigate negative public health and safety matters.



IMPROVES FUNDING OPPORTUNITIES

The Kentucky Infrastructure Authority (KIA) administers the Drinking Water State Revolving Fund (DWSRF). For SFY 2026, the fund has approximately \$82.9 million available. Having a documented asset management plan strengthens a Utilities' position on the Comprehensive Project Priority List for DWSRF funding and demonstrates readiness to proceed with projects, which is a scoring criterion



MANAGE REPUTATIONAL AND GOVERNANCE RISK

PUBLIC TRUST:

Service disruptions and boil-water advisories erode community confidence in the district, which is directly contrary to NKWD's strategic value of being "Trustworthy."

COMMISSIONER LIABILITY:

Board commissioners have a statutory duty to control and manage district affairs under KRS 74.020(1). Failure to implement reasonable asset management practices could expose commissioners to claims of mismanagement.

FORCED RESTRUCTURING:

Under AWIA and Kentucky law, water systems with persistent compliance failures can be subject to mandatory restructuring assessments, which could result in consolidation or loss of operational independence.

NKWD ASSET MANAGEMENT PROGRAM HISTORY

2003 – NKWD First Asset Management Plan

- Addressed total assets; not components
- Key outcome was a 20-year Capital



2008 – NKWD AMP Update

- Addressed total assets; not components
- Key outcomes was an updated 20-year capital improvement plan



2023 – NKWD created and filled first Asset Management Position



2024 – Kyle Boyle hired to fill Asset Management Manager Position Vacancy



2026 – NKWD will complete major AMP Update

- Addresses asset components and current condition
- Aligned assets into hierarchy
- Foundation for prioritizing assets into projects

AGING INFRASTRUCTURE

- **Horizontal Infrastructure**

- 1,338 miles of water main
- Over 17,000 pipe segments
- Over 380 miles 50 years or older
- >\$1.9 billion replacement cost

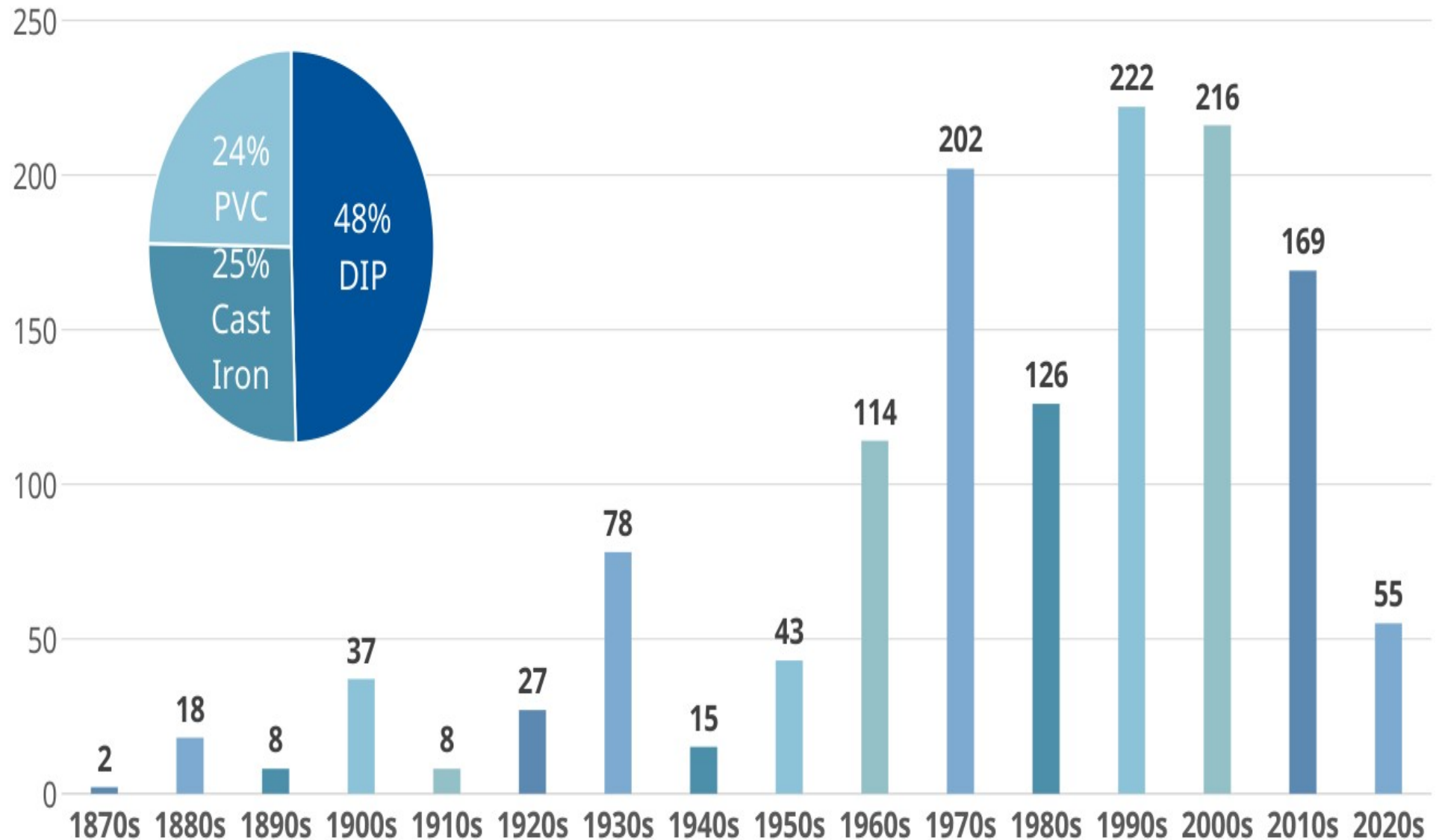
- **Vertical Infrastructure**

- Water Storage Tanks
- Pump Stations
- Facilities
 - Treatment Plants
 - Central Facility
 - Storage buildings
 - Replacement Cost Still Determining



AGING INFRASTRUCTURE

~1,338 miles of water main



NKWD Water Main Replacement Model

Total Score =

$$(\sum \text{Physical Parameters} / 4) \times 0.2 + (\sum \text{Functional Parameters} / 4) \times 0.5 + (\sum \text{Impact Parameters} / 4) \times 0.3$$

Physical Parameters (20% of Total Score)

- Size Score

○ ≤ 1"	0
○ > 1" & < 5"	10
○ ≥ 6" & ≤ 9"	25
○ ≥ 10" & ≤ 13"	50
○ ≥ 14" & ≤ 23"	75
○ ≥ 24"	100

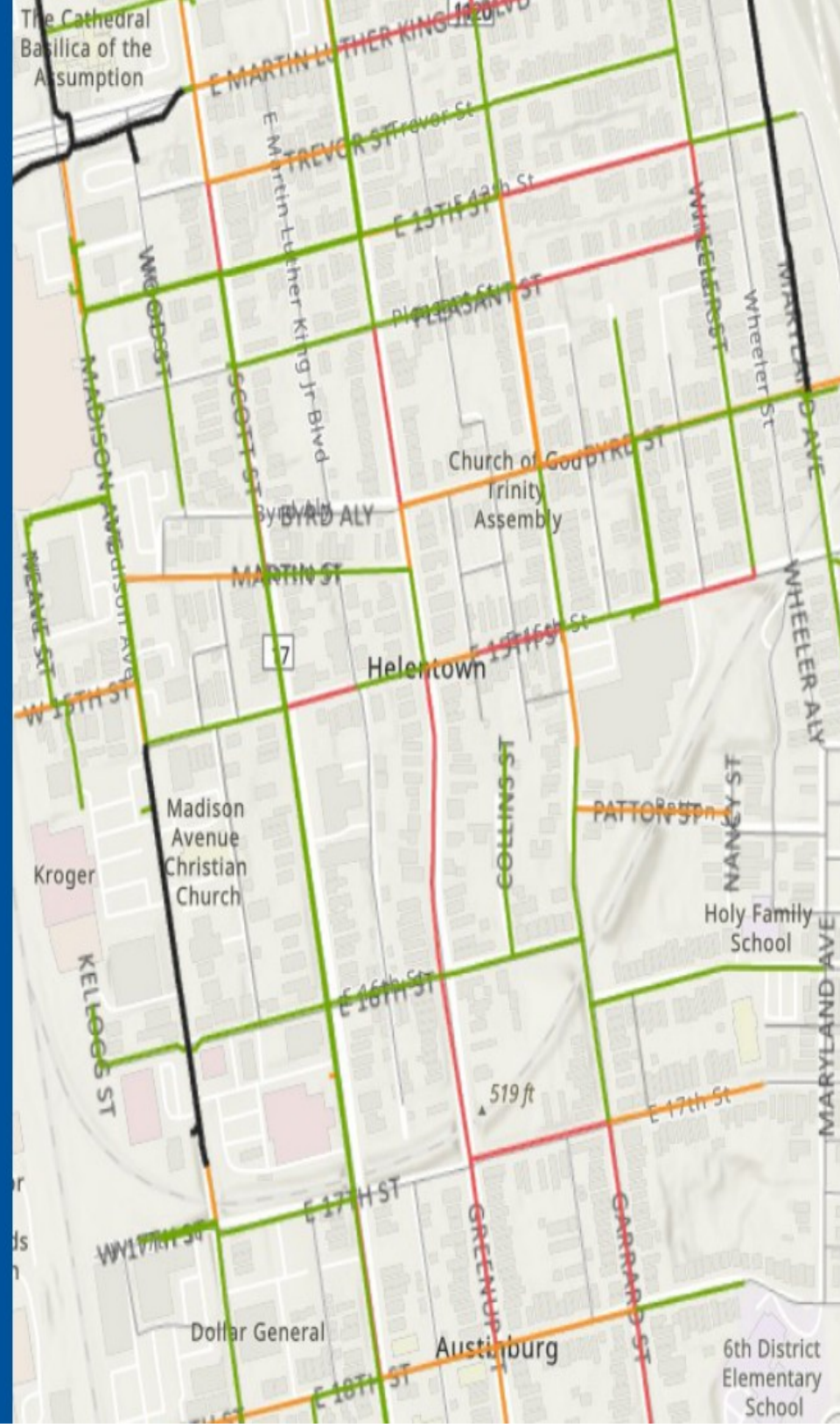
- Age Score

○ ≤ 20 years	0
○ > 20 years & ≤ 40 years	20
○ > 40 years & ≤ 60 years	40
○ > 60 years & ≤ 80 years	60
○ > 80 years & ≤ 100 years	80
○ > 100 years	100

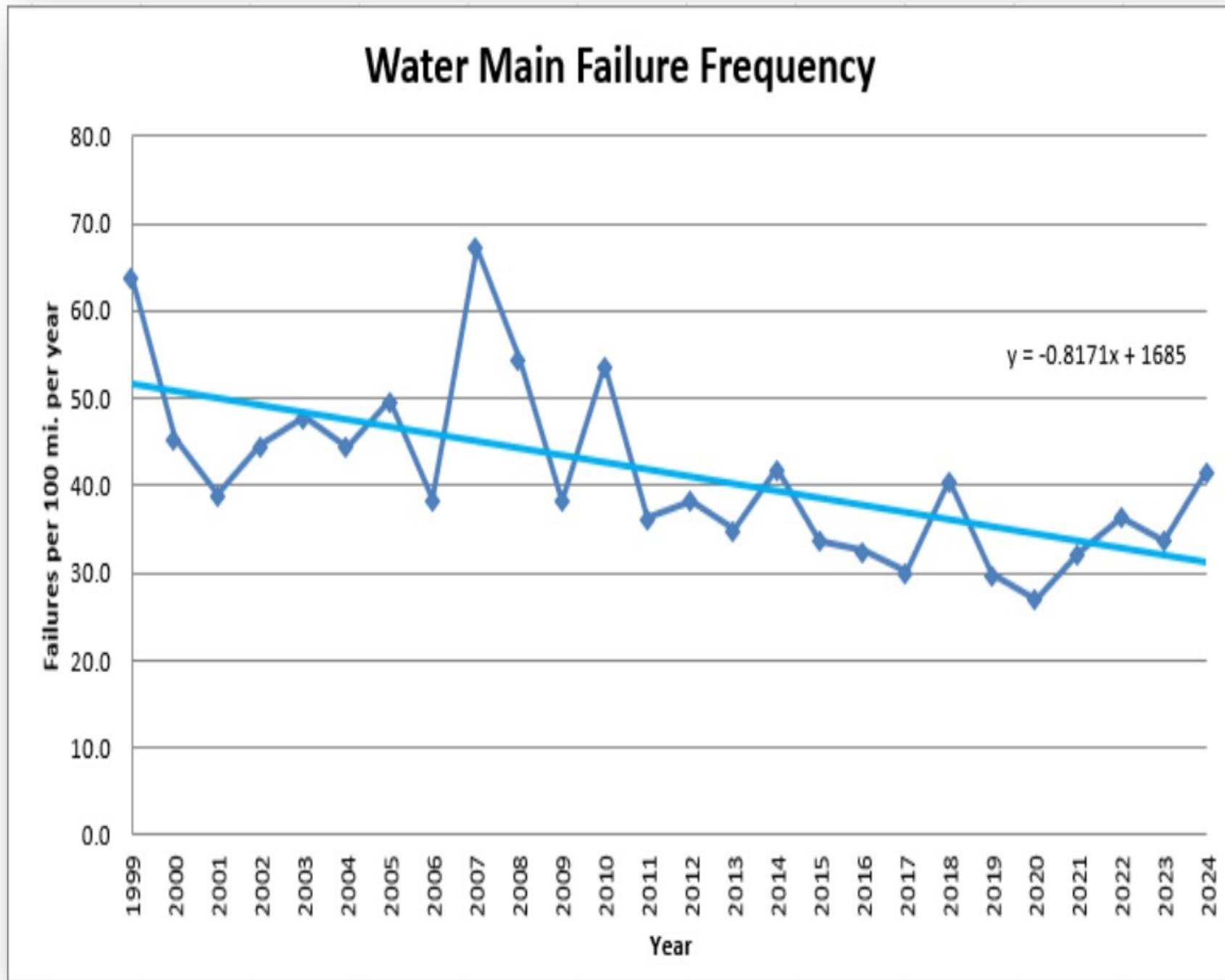
- Material Score

○ Copper, Polyethylene	0
○ Wrapped Ductile	10
○ Unwrapped Ductile, PVC	25
○ Lined Cast iron	50
○ Asbestos	75
○ Unlined Cast Iron, Steel, Concrete	100

WATER MAIN REPLACEMENT MODEL



WATER MAIN BREAKS EXAMPLE



CURRENT WATER MAIN CONDITION SCORE

Total Score is calculated by taking into account:

1. Physical Parameters (diameter, age, material)
 2. Functional Parameters (discolor water, breaks)
 3. Impact Parameters (road type, flow)
- Over 17,000 pipe segments
 - NKWD Avg Water Main Condition Score : 10.07
 - NKWD High Risk Pipes : 323 (score of 30 and higher)
 - ~79% low risk
 - ~19% med risk
 - ~2% high risk



UNWRAPPED DIP CONDITION TREND

- Total DIP ~ 640 miles
 - Avg Score is 8.63
- Non- wrapped DIP ~ 337 mil
 - Avg Score is 10.6



"CURRENT" ASSET MANAGEMENT PROGRAM



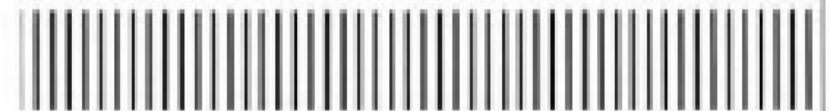
Northern Kentucky Water District

2835 Crescent Springs Rd. • PO Box 18060 • Erlanger, KY 41018-0660

2008 Asset Management Program Update

November 2011

FINAL DRAFT



WHAT IS THIS?

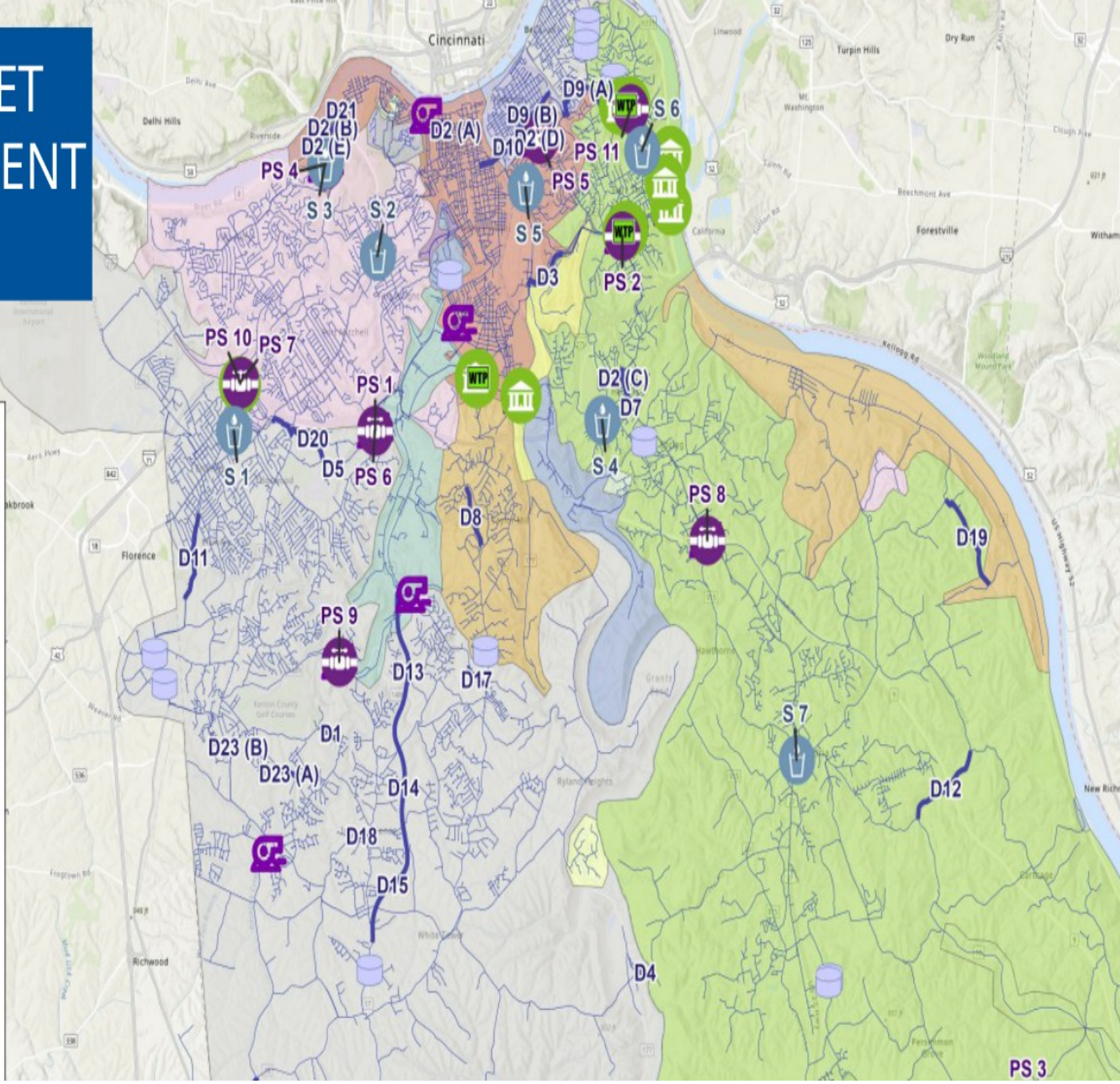
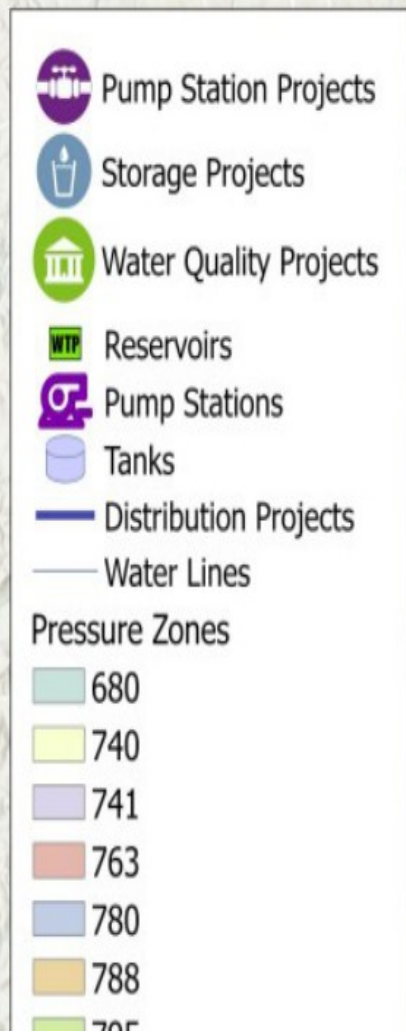


ASSET MANAGEMENT MOVING FORWARD

- Incorporate into everyday duties at NKWD
- Prioritize critical assets/ projects during annual budget cycle
 - External assistance as needed (~ every 5-7 years)
- Lucity Migration
 - Assist in predictive/ reactive WOs
 - Predicting replacements
 - Provide capital and O&M funding estimates



"NEW" ASSET MANAGEMENT PROGRAM



ASSET DATABASES

- 1,338 miles of main
- Over 17,000 individual scored water main segments
- Plants have ~1,500 individually scored assets
- Criticality ranking of assets (initial)

Type:	Facility:	Major Structure:	System Name:	Condition:	Reliability:	Probability:	Probability Mu:	Redundancy M:	Loss Impact:	Loss Impact:	Safety Impact:	Safety Impact:	Overall Asset Rating
WTP	TMTP	Filter Building	Electrical Switchgear (Original)	4.50	4.50	High	1.25	1.35	Severe	1.35	High	1.25	12.81
WTP	TMTP	Outside	Substation	4.50	4.50	High	1.25	1.35	Severe	1.35	High	1.25	12.81
WTP	TMTP	Pipe Gallery	Sump Pumps	4.50	4.50	High	1.25	1.35	Severe	1.35	High	1.25	12.81
WTP	TMTP	Filter Gallery	UV System	5.00	5.00	High	1.25	1.35	Severe	1.35	Moderate	1.10	12.53
WTP	TMTP	Pipe Gallery	UV System	5.00	5.00	Moderate	1.15	1.35	Moderate	1.25	High	1.25	12.13
WTP	TMTP	Filter Gallery	120/1208V Panels	4.50	4.50	High	1.25	1.35	Moderate	1.25	High	1.25	11.87
Intake	LRI	Licking River PS	Cameras	5.00	5.00	Moderate	1.15	1.35	Moderate	1.25	Moderate	1.10	10.67
WTP	FTTP	Chemical Building	MCC-B	4.50	4.50	High	1.25	1.35	Moderate	1.25	Moderate	1.10	10.05
WTP	TMTP	Filter Gallery	Lighting Panel	4.00	4.00	High	1.25	1.35	Severe	1.35	Moderate	1.10	10.02
WTP	TMTP	Pipe Gallery	Backwash Flow Meter	4.00	4.00	High	1.25	1.35	Severe	1.35	Moderate	1.10	10.02
WTP	TMTP	Basement	Raw Water Valves	5.00	5.00	Moderate	1.15	1.25	Moderate	1.25	Moderate	1.10	9.88
WTP	FTTP	Outside (Lower Ir	Raw Influent System	5.00	5.00	High	1.25	1.25	Moderate	1.25	Low	1.00	9.77
Intake	ORPS2	ORPS2	Outdoor Substation	4.50	4.50	High	1.25	1.15	Severe	1.35	High	1.25	9.70
WTP	TMTP	Basement	FTTP Valves w/ PRV or Control Valve	5.00	5.00	Moderate	1.15	1.35	Moderate	1.25	Low	1.00	9.70
WTP	TMTP	Basement	Old Backwash Valve	5.00	5.00	Moderate	1.15	1.35	Moderate	1.25	Low	1.00	9.70
WTP	FTTP	Filter Building	Basement East Structure (btw Sed Basin & Filter)	4.50	4.50	Moderate	1.15	1.25	Severe	1.35	Moderate	1.10	9.61
WTP	TMTP	Filter Gallery	Flow Meter	4.50	5.00	High	1.25	1.15	Moderate	1.25	Moderate	1.10	9.55

ASSET DATABASES

ITEM	CONDITION OF ASSET				
	RATINGS DEFINITION				
	1	2	3	4	5
Clarifiers/UV/Pumps/Process Equipment	Free of visual corrosion, properly installed, lubricated, with mechanicals currently operating. No obvious heat or noise issues.	Minor corrosion or maintenance condition but no noise/heat issues	Some corrosion or maintenance issues that need attention. Noise or heat issues present but not affecting performance	Advancing deterioration from corrosion or lack of maintenance. Noise or heat issues that are worsening	Serious corrosion or installation issues including obvious noise or heat issues
Piping	No visible corrosion or leaking	Initial corrosion apparent without leaking	Some corrosion without metal loss. Minor leaking apparent	Moderate corrosion including some metal loss. Substantive leaking apparent	Significant corrosion with metal loss. Significant leaking.
Valves / Actuators	No visible corrosion and all operating elements functional. No noise issues	Initial corrosion apparent without leaking	Some corrosion without metal loss. Minor leaking apparent	Moderate corrosion including some metal loss. Substantive leaking apparent	Significant corrosion with metal loss. Significant leaking.
Filter/GAC Media	New or like new without visible build-up or wear	Some noticeable build-up or wear	Unable to determine build-up or wear	Moderate build-up or wear	Excessive build-up or wear
SCADA / Monitoring Equipment	Free of corrosion on monitors, samplers and recorders. Visibly acquiring or producing data	Minor corrosion or maintenance/ calibration needed - functional	Corrosion apparent and some limitations to data. Maintenance	Unknown condition of asset - inaccessible	Not acquiring or producing data
Structures	Structurally sound - no apparent cracks, corrosion or connection issues.	Minor structural deficiencies not requiring immediate action to prevent deterioration	Structural concerns (corrosion, cracks, etc.) that need further investigation to determine magnitude	Short-term structural concerns requiring remedy to prevent deterioration	Significant cracking, corrosion or connection issues - concerns about structural soundness
Electrical Components	Free of corrosion, heat or vibration	Some corrosion, heat or vibration apparent but not impacting service	Moderate corrosion, heat or vibrations determined to be long-term concern but not short-term issue	Inaccessible components - unknown condition	Heavy corrosion, exposed components, excessive heat and/or vibration
HVAC Components	Free of corrosion, heat or vibration	Some corrosion, heat or vibration apparent but not impacting service	Moderate corrosion, heat or vibrations determined to be long-term concern but not short-term issue	Inaccessible components - unknown condition	Heavy corrosion, exposed components, excessive heat and/or vibration

INFRASTRUCTURE PLANNING

	Regulatory / Compliance	Aging Infrastructure (end of useful life)	Asset Management	System Expansion/ Economic Growth	System limitations/ Customer Service	Technology & Optimization	Additional Funding Source	Total Score	Strategic Plan Goal Area (pick)	Related to Data Warehouse / KPI? (pick)	RRA Implementation Project? (pick)
	Project aligns with remaining compliant and adhering to relevant laws, regulations, standards, and industry guidelines. Project allows for minimizing potential legal liabilities.	Project addresses an asset in which the cost to maintain/repair is high. The condition and operational efficiency of existing assets, systems, or structures have reached or surpassed their expected lifespan.	Project contributes to optimizing the value, performance, and longevity of assets by considering factors such as asset condition, redundancy, criticality, safety and risk management.	Project accommodates system expansion and growth; there is a return on investment component. Project has public benefit with strategic importance. The project allows for enhanced capacity, increase production and/or supports new economic opportunities.	Project eliminates or reduces constraints or shortcomings within existing systems, processes, or infrastructure that impact the ability to effectively serve customers. Project addresses limitations that hinder operational efficiency, service quality, or customer satisfaction. (examples: current system limitations, bottle neck or restriction, color of water, low pressure, etc.)	Projects adds efficiency, innovation and performance to NKWD operations; allow for strategic business & technological enhancements to reduce costs, increase productivity and/or optimize resources. Integration or upgrade of technology and processes to improve overall District performance.	Project has additional funding sources (KIA, SRF, grants, etc.,) available for the project that have expiration dates		Select "Goal Area" this project relates to in the Strategic Plan, if applicable	Yes, No or N/A	Yes, No or N/A
Weightings	0.3	0.05	0.2	0.15	0.2	0.05	0.05	1.00			

INFRASTRUCTURE PLANNING

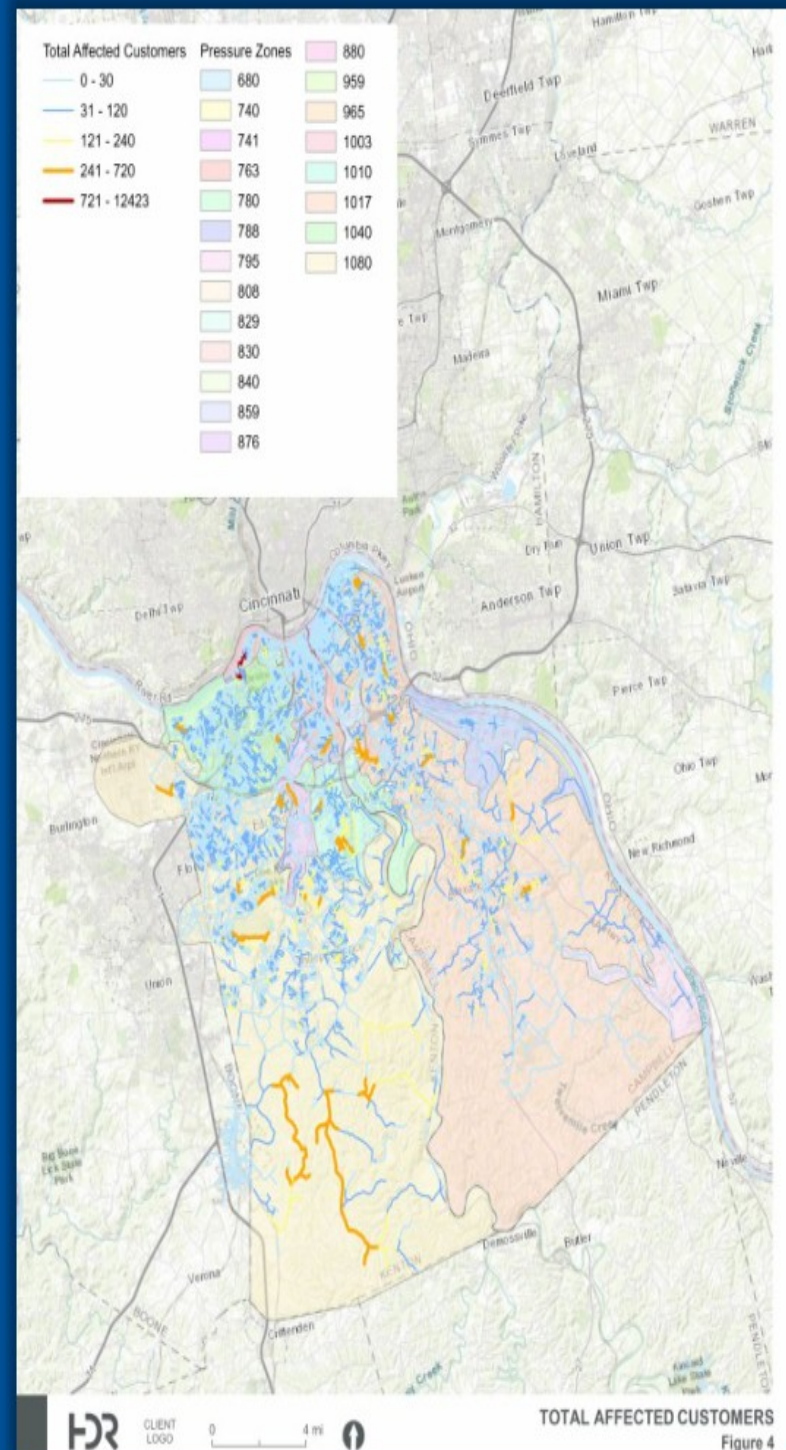
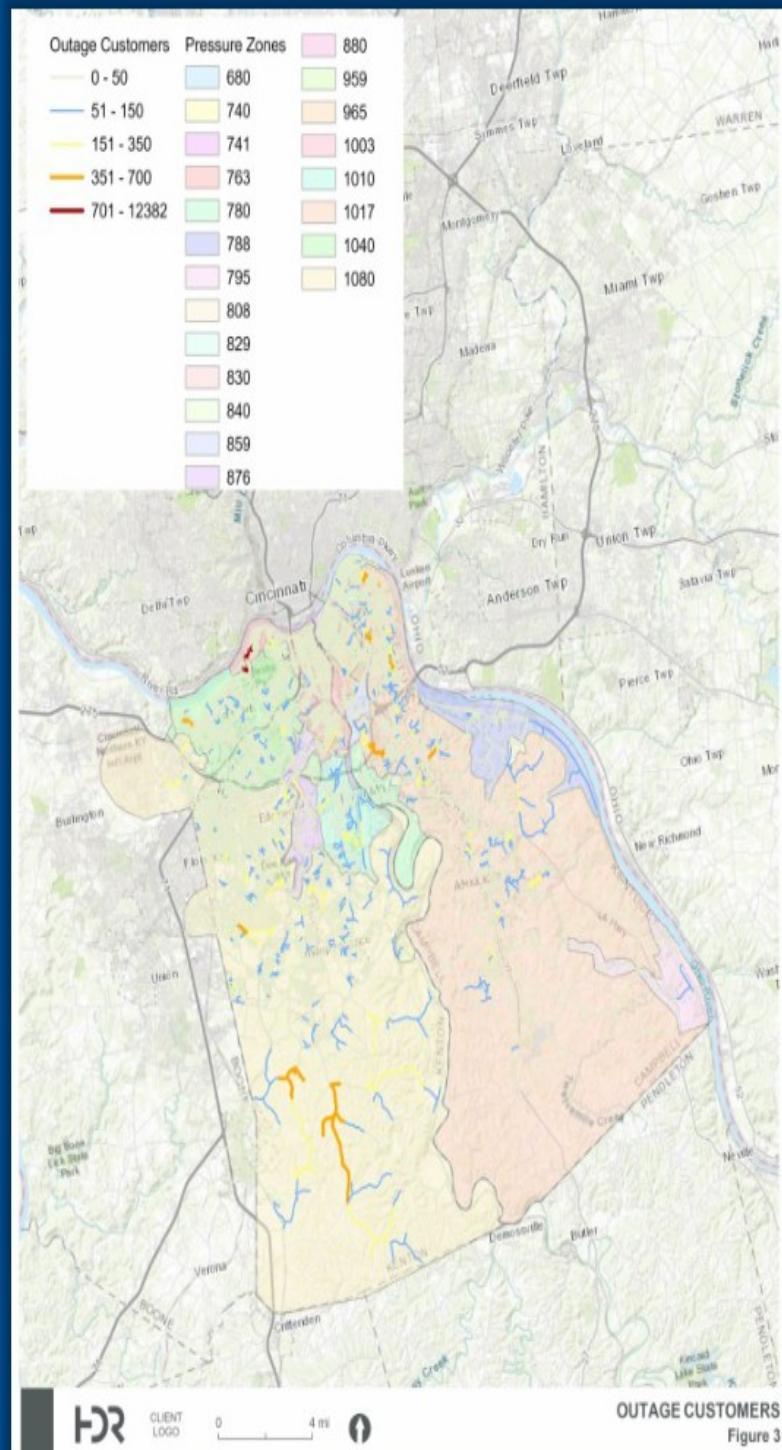
Project Type	Project	Project Ranking	Project Cost	Year of Construction	Total Score
Pipe Capital Project	Moock Road 36-inch Redundancy Water Main - 42" to the River Crossing	1	\$6,500,000	2025 / 26	7.13
Treatment Plant Capital Project	TMTP - PAC & UV Replacement	2	\$3,275,000	2025	6.53
Treatment Plant Capital Project	Upgrade SCADA/Instrumentation/Security Equipment	3	\$710,000	2025	6.45
Treatment Plant Capital Project	Upgrade SCADA/Instrumentation/Security Equipment	4	\$290,000	2025	6.45
Treatment Plant Capital Project	FTTP Electrical Improvements	5	\$6,500,000	2026	6.43
Treatment Plant Capital Project	Upgrade SCADA/Instrumentation/Security Equipment - SRF Loan 2016	6	\$2,700,000	2025	6.38
Treatment Plant Capital Project	Dudley 1040 Pump Replacement (3 constant speed pumps)- AMY S	7	\$750,000	2025	6.15
Treatment Plant Capital Project	TMTP Advanced Treatment (GAC)	8	\$30,000,000	2026 / 27 / 28	6.13
Pipe Capital Project	Independence Station Road Interconnect	9	\$850,000	2025	6.02
Treatment Plant Capital Project	Plant Metering Upgrades	10	\$300,000	2025	5.95
Treatment Plant Capital Project	Pump Station in Southern Campbell County	11	\$700,000	2025	5.92
Treatment Plant Capital Project	ORPS 2 Electrical Improvements- AMY S	12	\$3,500,000	2025 / 26	5.87
Treatment Plant Capital Project	ORPS 1 Motor Starter Replacement Nos. 1,2,3, & 6- AMY S	13	\$1,296,000	2025 / 26	5.82
Treatment Plant Capital Project	FTTP Filter Valves & Actuator Replacement- AMY S	14	\$887,000	2026	5.77
Treatment Plant Capital Project	MPTP Actifilo Upgrades	15	\$1,635,000	2025	5.73
Treatment Plant Capital Project	FTTP Structural Improvements	16	\$5,000,000	2029	5.33
Pipe Capital Project	20" from Banklick to South of Walton	17	\$16,000,000	2028 / 29	5.32
Pipe Capital Project	20" MPTP Discharge Water Main Replacement	18	\$16,000,000	2027 / 28	5.18
Pipe Capital Project	20" to Connect 11th Street in Newport to 12th Street in Covington	19	\$6,000,000	2029	5.15
Pipe Capital Project	US 27 24" Sunset to Martha Layne Collins	20	\$1,900,000	2027	5.13
Treatment Plant Capital Project	TMTP Chemical Building Improvements (coagulant, hypo, HF, misc.)	21	\$1,380,000	2028	5.12

INFRASTRUCTURE PLANNING

Northern Kentucky Water District 2026 5-Year Capital Budget (2026-2030)

Pg. No.	PSC Ref No.	Water Quality Projects							Total Project Cost	Funding Source
			2025 / Previous Paid	2026	2027	2028	2029	2030		
1	132	MPTP Reservoir Dam Spillway/ Raw Water Pipe Replacement	\$187,000	\$350,000					\$537,000	Future BAN
		MPTP Reservoir Dam Spillway/ Raw Water Pipe Replacement			\$1,100,000				\$1,100,000	Future BAN
2	202	Upgrade SCADA/Instrumentation/Security Equipment		\$2,000,000					\$2,000,000	BAN 2021
		Upgrade SCADA/Instrumentation/Security Equipment	\$101,000	\$925,000					\$1,026,000	Future BAN
		Upgrade SCADA/Instrumentation/Security Equipment - SRF Loan 2016	\$874,000						\$874,000	SRF Loan 2016
3	238	TMTP - PAC & UV Replacement	\$146,000	\$3,554,000					\$3,700,000	Future BAN
4	211	TM Pump Station Backup Generator	\$1,200,000	\$1,485,000					\$2,685,000	Future BAN
		TM Pump Station Backup Generator (SB36 Grant)	\$1,100,000						\$1,100,000	KIA Grant 2022
		TM Pump Station Backup Generator - SRF Loan 2020	\$4,065,000						\$4,065,000	SRF Loan 2020
5	227	New Tank in Taylor Mill	\$2,000,000	\$3,000,000					\$5,000,000	Future BAN
6	316	TMTP Solids Building and Process Equipment						\$1,000,000	\$1,000,000	Future BAN
7	317	FTTP Raw Water Improvements						\$500,000	\$500,000	Future BAN
8	318	TMTP Electrical Improvements (less generator project)						\$500,000	\$500,000	Future BAN
9	319	Dudley 1080 Electrical and Structural Improvements				\$1,500,000			\$1,500,000	Future BAN
10	320	Bromley Pump Replacement and Electrical Upgrades					\$1,500,000		\$1,500,000	Future BAN
11	229	Pump Station in Southern Campbell County		\$850,000	\$850,000				\$1,300,000	Future BAN
12	244	MPTP Actifilo Upgrades	\$136,000	\$1,499,000					\$1,635,000	Future BAN
13	257	TMTP Chemical Building Improvements (coagulant, hypo, HF, misc.)			\$250,000	\$2,250,000			\$2,500,000	Future BAN
14	263	FTTP Filter Valves & Actuator Replacement				\$1,000,000	\$4,500,000	\$4,500,000	\$10,000,000	Future BAN
15	274	ORPS 1 Motor Starter Replacement Nos. 1,2,3, & 6		\$500,000	\$1,500,000				\$2,000,000	Future BAN
16	289	TMTP Pump #3 Replacement		\$200,000	\$1,000,000				\$1,200,000	Future BAN
17	288	ORPS 2 Electrical Improvements		\$1,000,000	\$3,500,000	\$4,000,000			\$8,500,000	Future BAN
18	298	FTTP Electrical Improvements			\$1,500,000	\$5,000,000	\$4,500,000		\$11,000,000	Future BAN
19	299	TMTP Filter & Valve Improvements		\$1,000,000	\$3,500,000				\$4,500,000	Future BAN
20	300	FTTP Structural Improvements		\$500,000	\$1,000,000	\$5,000,000			\$6,500,000	Future BAN
21	302	MPTP Raw and Finished Water Valves and Actuators					\$800,000		\$800,000	Future BAN
		Sub-Total Water Quality	\$9,609,000	\$16,663,000	\$14,000,000	\$18,750,000	\$11,100,000	\$6,500,000	\$76,622,000	Total Project Cost
				\$16,663,000	\$14,000,000	\$18,750,000	\$11,100,000	\$6,500,000	\$67,013,000	Total 5-Year Cost

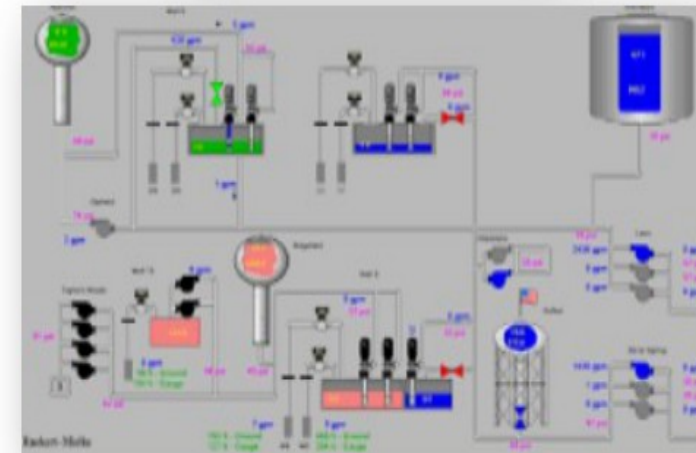
SYSTEM RISK AND RESILIENCY



SYSTEM RISK AND RESILIENCY

NKWD systems in use:

- GIS (Geographic Information Systems)
- CMMS (Computerized Maintenance Management Systems)
- SCADA (Supervisory Control and Data Acquisition)
- Hydraulic model



What data matters:

- Condition, age, material, installation date, failure history



WHERE
TO START?



WHERE TO START?

ORGANIZATIONAL INFORMATION

Who is responsible for the Assets? Plan?

LEVEL OF SERVICE

What the utility aims to deliver

ASSET INVENTORY

Complete list of assets with location and condition

REMAINING USEFUL LIFE

Estimated lifespan of each asset

CONDITION ASSESSMENT

Current state and deterioration trends

CRITICALITY MAPPING

Which assets are most important to operations

OPERATION & MAINTENANCE STRATEGIES

How to keep assets in good condition

CAPITAL IMPROVEMENTS

Planned upgrades and replacements

FINANCIAL STRATEGY

Funding sources and cost controls

COMPLIANCE & PERFORMANCE

Meeting regulatory and performance goals

PRACTICAL STEPS

1. INVENTORY ASSETS

Use GIS/GPS to map all infrastructure

2. ASSESS CONDITION

Document current state and trends

3. PRIORITIZE CRITICAL ASSETS

Focus on those essential for service continuity

4. PLAN REPAIRS & REPLACEMENTS

Align with utility needs and budget

5. LONG TERM FUNDING

Engage staff & customers to build support

6. REVIEW & UPDATE REGULARLY

Adapt to changing conditions and regulations

AVAILABLE RESOURCES

- KY Rural Water Association
- Local Area Development District
- KY Infrastructure Authority
- Peer utilities (such as NKWD)
- Water Resource Info System
- KY Division of Water

Kentucky Water Mapping
Kentucky Infrastructure Authority

Find address or place

Feature Info

< 10883 of 24106 > Water Lines

Water Line: KY0590220

Public Water System ID	KY0590220
System Name	NORTHERN KENTUCKY WATER DISTRICT
Purpose	DISTRIBUTION
Size	6.00
Transmission Use	FINISHED
Year Constructed	1993
Material	DUCTILE IRON

Water Line: KY0590220

Public Water System ID	KY0590220
System Name	NORTHERN KENTUCKY WATER DISTRICT
Purpose	DISTRIBUTION
Size	6.00
Transmission Use	FINISHED

Legend

Ky Water Infrastructure

- Proposed Water Improvements
- Non-Community Points
- Water Pumps
- Purchase Sources

THANK YOU!



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g

Questions?

What to Expect During an Inspection

Jason Pennell

Kentucky Rural Water Association



Today's Topics

- Division of Inspections
- Inspection Process
- Areas of Concern
- Water Loss

PSC Mission Statement

- To foster the provision of safe and reliable service at a reasonable price to the customers of jurisdictional utilities while providing for the financial stability of those utilities by setting fair and just rates, and supporting their operational competence by overseeing regulated activities.

Customer Bill of Rights

As a residential customer of a regulated public utility in Kentucky, you are guaranteed the following rights subject to Kentucky Revised Statutes and the provisions of the Kentucky Public Service Commission Administrative Regulations:

- You have the right to service, provided you (or a member of your household whose debt was accumulated at your address) are not indebted to the utility.
- You have the right to inspect and review the utility's rates and tariffed operating procedures during the utility's normal office hours.
- You have the right to be present at any routine utility inspection of your service conditions.
- You must be provided a separate, distinct disconnect notice alerting you to a possible disconnection of your service if payment is not received.
- You have the right to dispute the reasons for any announced termination of your service.
- You have the right to negotiate a partial payment plan when your service is threatened by disconnection for non-payment.
- You have the right to participate in equal, budget payment plans for your natural gas and electric service.
- You have the right to prompt (within 24 hours) restoration of your service when the cause for discontinuance of the service has been corrected.
- You have the right to contact the Public Service commission regarding any dispute that you have been unable to resolve with your utility (Call Toll Free 1-800-772-4636).



Water and Wastewater Utilities Under PSC Jurisdiction

- Investor-owned utilities
- Water districts
- Water associations
- Municipal water utilities BUT only the wholesale rates for water sold to a utility under full PSC jurisdiction
- Wastewater utilities – No municipalities*

* KRS 278.010(3) excludes “a city” from the definition of a “Utility”

Scope

- The following are some of the areas for which the Commission has regulatory responsibility:
- Rate increase or reduction.
- Expansion or reduction of utility service boundaries.
- Construction and operation of utility facilities.
- Meter accuracy.
- Operating conditions of a utility.
- Management audits.
- Valuation of utility property.
- Issuance or assumption of securities by a utility.
- Consumer complaints.
- Compliance with service and safety regulations.

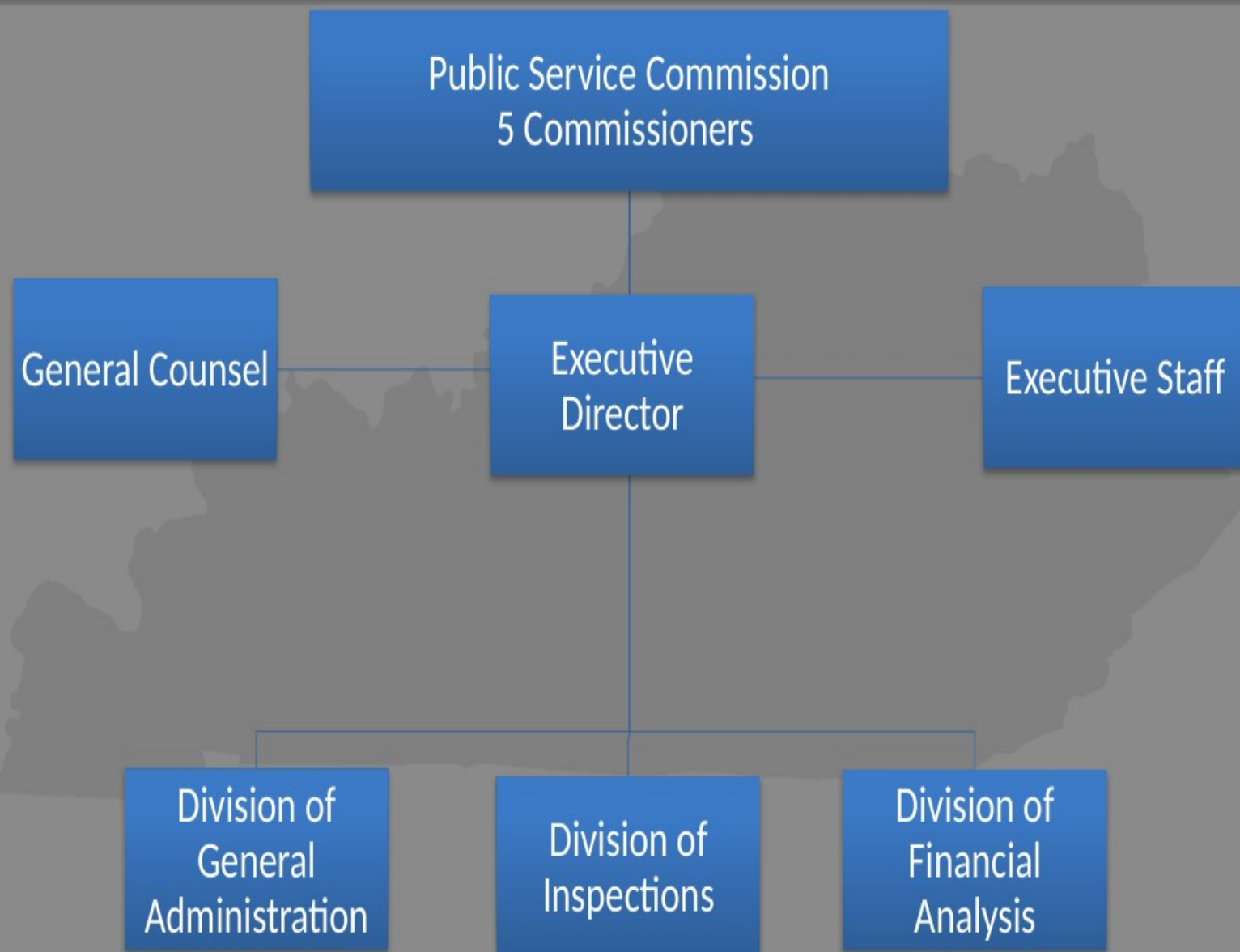
Senate Bill 8

- SB 8 was designed to reorganize the Kentucky Public Service Commission by changing its leadership structure, appointment process, and administrative independence.
 - January 2026: SB 8 introduced.
 - March 2026: Passed the Kentucky Senate after several amendments
 - April 2026: Passed the House.
 - April 15, 2026: Became law
 - July 1, 2026: New commission structure begins implementation

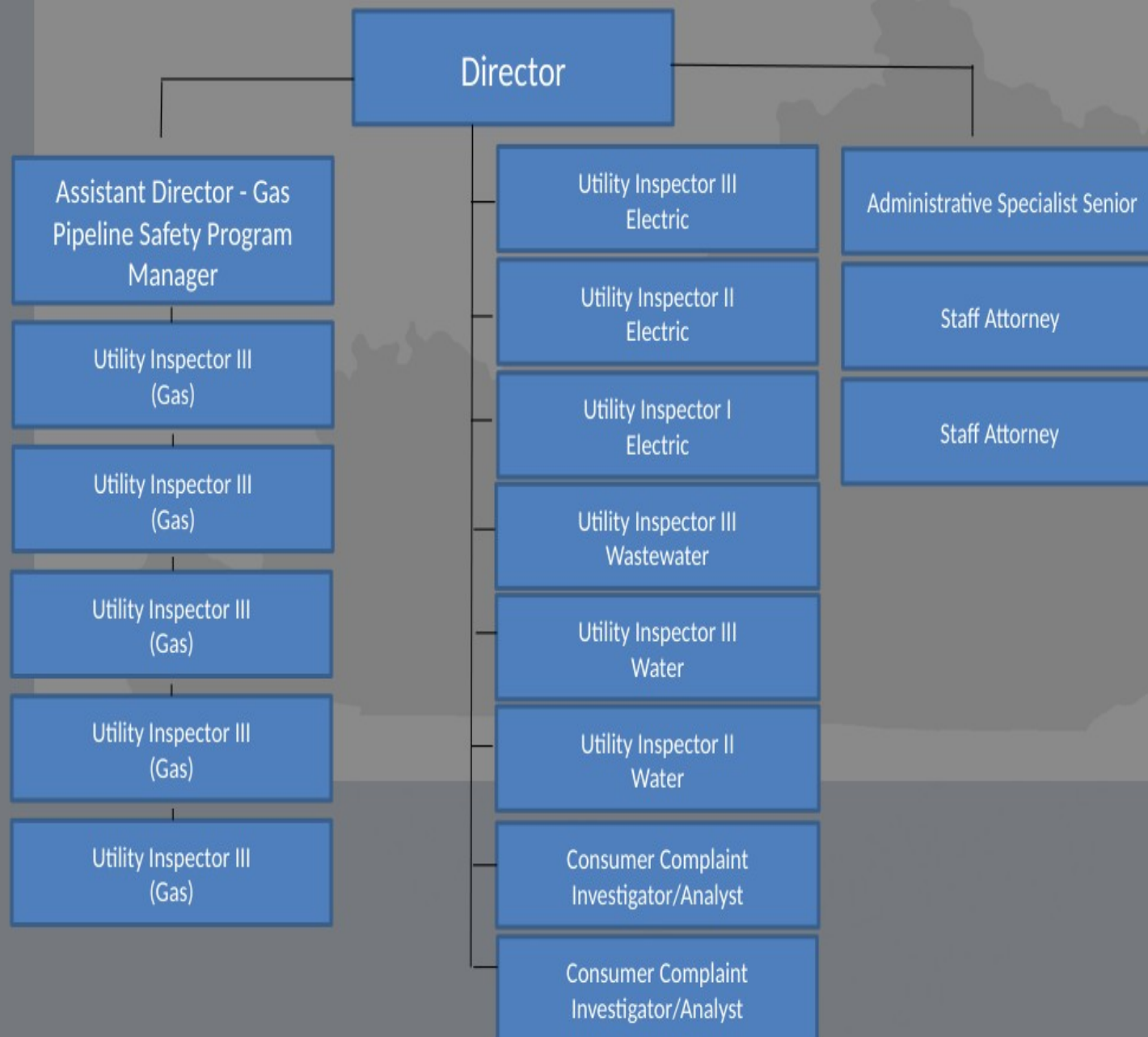
Key Changes

- Expanded the Commission
 - Increased the PSC from 3 commissioners to 5 commissioners.
 - Commissioners now serve staggered terms.
 - Commissioners choose the Chair from among themselves.
 - Established specific education and professional experience requirements.
- **Made the PSC More Independent**
 - Established the PSC as an independent state agency.
 - Administratively attached the Commission to the Auditor of Public Accounts only for limited administrative functions.





Division Of Inspections



Regulated Water Utilities

- In 2025, the PSC received annual reports from 132 of 133 drinking water utilities throughout the state serving residential, commercial and industrial customers:
 - 5 Investor-Owned – AMB \$ 72.27
 - 20 of 20 Water Associations – AMB \$ 48.29
 - 107 of 108 Water Districts – AMB \$ 53.16
 - 807,921 Customers
- \$ 600,170,280.65 Total Revenues
- 858,932,594 gallons sold

* Source - 2024 annual reports submitted to the Kentucky Public Service Commission



Regulated Wastewater Utilities

- In 2025, the PSC received annual reports from 32 wastewater utilities throughout the state serving residential, commercial and industrial customers
- 37,156 Customers
- Total Revenues \$ 29,478,762.19
 - Residential AMB - \$ 49.55
 - Commercial AMB - \$ 110.17
 - Industrial AMB - \$ 3,641.45

* Source - 2024 annual reports submitted to the Kentucky Public Service Commission

Improving The Inspection Process

- Three investigators for the water and wastewater sectors
- IRS database
- Standard Operating Procedures
- Inspection cycle
- Scheduled annually
- Risk Assessment (Water Utilities)
- Collaborating with the Division of Water
 - Drinking Water and Wastewater Advisory Councils
 - Data sharing – Boil Water Advisories

Risk Assessment

- Seven Metrics
 - Number of deficiencies last inspection
 - Unresolved deficiencies
 - Excessive water loss %
 - Management/employee turnover
 - Inspector's subjective knowledge
 - Construction activity
 - Elapsed time since last inspection
- Higher point value will warrant more attention

Inspection Process

- Contact utility to set inspection date(s)
- Utility is provided a document list and inspection checklist
- Internal records review
 - Case history
 - Annual Reports/Water Produced/Purchased/Loss
 - Previous Inspections
- Go through inspections checklist, reviewing utility documentation at office
 - Line break logs
 - Line Locate Requests
 - Fire Dept. usage
 - Pressure charts
 - Facility self-inspections (plant, tanks, manholes, etc.)

Reporting Requirements

- 807 KAR 5:006, Section 4. Reports. (1)(a) Gross annual operating revenue reports. Each utility shall file with the commission its gross operating revenue report on or before March 31.
- 807 KAR 5:006 Section 4(2)(a) – Financial and statistical reports. Every utility shall file annually using the commission's electronic filing system a financial and statistical report on or before March 31 of each year.

Water Loss Schedule

Water Statistics (Ref Page: 30)

	Gallons (Omit 000's)	Percent
1. Water Produced, Purchased and Distributed		
2. Water Produced	177,761	
3. Water Purchased	373,761	
4. Total Produced and Purchased	551,522	
6. Water Sales:		
7. Residential	304,359	
8. Commercial	23,882	
9. Industrial	1,772	
10. Bulk Loading Stations	2,436	
11. Resale		
12. Other Sales		
13. Total Water Sales	332,449	
15. Other Water Used		
16. Utility/water treatment plant	29,585	
17. Wastewater plant	5,340	
18. System flushing	92,250	
19. Fire department	11,858	
20. Other	4,000	
21. Total Other Water Used	143,033	
23. Water Loss:		
24. Tank Overflows	3,400	
25. Line Breaks	4,070	
26. Line Leaks	55,500	
27. Other	13,070	
28. Total Line Loss	76,040	
Note: Line 13 + Line 21 + Line 28 must equal Line 4		
32. Water Loss Percentage		
33. Line 28 divided by Line 4		13.7873



Quarterly Meter Report

807 KAR 5:006, Section 4(4)
Report of meters, customers,
and refunds. Each gas,
electric, or water utility shall
file quarterly either a
Quarterly Meter Report-
Electric, Quarterly Meter
Report, or a Quarterly Meter
Report-Electric-Gas-Water, of
meter tests, number of
customers, and amount of
refunds.

QUARTERLY METER REPORT TO THE KENTUCKY PUBLIC SERVICE COMMISSION						
NAME OF UTILITY				QUARTER		
ADDRESS				TEST YEAR		
CITY, STATE, ZIP				DATE SUBMITTED		
CUSTOMER TYPE	METERED	NON-METERED	TOTAL			
RESIDENTIAL	0	0	0			
COMMERCIAL	0	0	0			
INDUSTRIAL	0	0	0			
OTHER	0	0	0			
TOTALS	0	0	0			
STATUS OF METER TEST PROGRAM					QUANTITY	
METERS TO BE TESTED THIS YEAR					0	
METERS TESTED THIS YEAR (TO DATE)					0	
METERS STILL TO TEST THIS YEAR					0	
YEARS SINCE METER WAS LAST TESTED	METER TEST RESULTS				METERS TESTED	METERS NOT TESTED
	WITHIN ±2%	> 2% FAST	> 2% SLOW	NR*		
NEW - 5 YEARS	0	0	0	0	0	0
5 - 8 YEARS	0	0	0	0	0	0
9 YEARS	0	0	0	0	0	0
10 YEARS	0	0	0	0	0	0
10+ YEARS	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0
TOTALS	0	0	0	0	0	0
PERCENT	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
* Non-Registering						
PERIODIC METER TEST PROGRAM						
CASE NUMBER and/or SAMPLE METHOD PLAN						
METERS REMOVED FROM SERVICE AND TESTED THIS QUARTER					0	
NEW SERVICE CONNECTIONS (METERS) INSTALLED THIS QUARTER					0	
TOTAL METERS TESTED THIS QUARTER					0	
UTILITY OR APPROVED AGENCY DOING METER TESTING						
METERS THAT TEST MORE THAN 2% FAST OR 2% SLOW						
NUMBER OF TESTS MADE AT CUSTOMER'S REQUEST					0	
NUMBER OF TESTS MADE AT COMMISSION'S REQUEST					0	
NUMBER OF METERS ON WHICH REFUNDS WERE MADE					0	
TOTAL AMOUNT OF REFUNDS MADE DURING THIS QUARTER					\$0.00	
NUMBER OF CUSTOMERS BILLED FOR SLOW METERS					0	
TOTAL AMOUNT BILLED ON SLOW METERS					\$0.00	
NUMBER OF CUSTOMERS BILLED FOR NON-REGISTERING METERS					0	
TOTAL AMOUNT BILLED ON NON-REGISTERING METERS					\$0.00	
METER TESTING INFORMATION APPROVED BY:				CUSTOMER & REFUND INFORMATION APPROVED BY:		
SIGNED _____				SIGNED _____		
TITLE _____				TITLE _____		



Non-Payment Disconnection/Reconnection Report

807 KAR 5:006, Section 4(5) Report of terminations for nonpayment of bills. Each water, electric, or gas utility shall file either the Water Utility Non-Payment Disconnection/Reconnection Report, Electric Utility Non-Payment Disconnection/Reconnection Report, or Gas Utility Non-Payment Disconnection/Reconnection Report, annually to report the number of residential accounts terminated for nonpayment. These reports shall be filed no later than August 15 and shall cover the period ending June 30.

KENTUCKY PUBLIC SERVICE COMMISSION												
☐	Electric	☐	Gas	☐	Water							
NON-PAYMENT DISCONNECTION/RECONNECTION REPORT												
	THROUGH											
JULY	2024	JUNE	2025									
Utility Name												
Utility ID												
Month	July	August	September	October	November	December	January	February	March	April	May	June
Number Terminated												
Highest \$ Amt. Terminated												
Lowest \$ Amt. Terminated												
Median \$ Amt. Terminated												
Average \$ Amt. Terminated												
Number Reinstated												
For information regarding this report contact:												
Name												
Phone												



Inspection Process cont.

- Field Review
 - Plant
 - Tanks
 - Pump/lift stations
 - Construction projects
 - Safety/Security
- Exit Interview
- Inspection provided to utility approximately 30 days later

Inspection Process cont.

- Full internal review of inspections by executive staff and the commissioners
- Internal discussion on cited deficiencies
- Utility given 30 days to respond to deficiencies
- Failure to respond or to correct deficiencies will result in initiation of formal action
 - Informal Conference
 - Show Cause Hearing

Areas of Concern

- Water loss*
 - Water Districts – 28.57% or 213,744,980 (1000 gal)
 - Water Associations – 29.24% or 139,123,419 (1000 gal)
 - Investor-Owned – 18% or 2,910,046 (1000 gal)
- Abandonment of Utilities
- Infrastructure
- Written documentation of facility inspection procedures and other required records

*Source - 2024 annual report statistics compiled by the Kentucky Public Service Commission

Water Loss

- Excessive water loss will be a primary focus of PSC interactions with water utilities
 - PSC's position is that excessive water loss poses a threat to the utility's financial and operational stability & viability
 - Point of emphasis at PSC training seminars
 - Water loss exceeding 15% will be cited as a deficiency by water system inspectors
 - Rate cases, purchased water adjustments, CPCNs and water financing cases will all include language on water loss in excess of 15%
 - A utility's inability or continued inaction to reduce water loss will lead to greater PSC attention

Water Loss

- Annual Reports are being reviewed to identify utilities with water loss in excess of 15% (68 systems reported > 15%)
- Deficient utilities will:
 - Be cited with 5:066, Section 7 – Standards of Construction
 - Receive letter copying water commissioners and where applicable, the County Judge Executive/Magistrates

Commission Orders

- The Commission is placing greater emphasis on monitoring utilities that consistently exceed the fifteen (15) percent water loss threshold and strongly encourages *Subject Utility* to pursue reasonable actions to reduce its water loss. Failure by *Subject utility* to make significant progress towards reducing water loss may cause the Commission to pursue additional action with the utility.

Water Statistics

Water Statistics (Ref Page: 30)

Description	Gallons (Omit 000's)	Percent
1. Water Produced, Purchased and Distributed		
2. Water Produced	141,346	
3. Water Purchased	398,210	
4. Total Produced and Purchased	539,556	
6. Water Sales:		
7. Residential	333,478	
8. Commercial	22,058	
9. Industrial	578	
10. Bulk Loading Stations	740	
11. Wholesale		
12. Public Authorities		
13. Other Sales (explain)		
14. Total Water Sales	356,854	
16. Other Water Used		
17. Utility/water treatment plant	19,000	
18. Wastewater plant	6,849	
19. System flushing	87,935	
20. Fire department		
21. Other Usage (explain)		
22. Total Other Water Used	113,784	
24. Water Loss		
25. Tank Overflows		
26. Line Breaks		
27. Line Leaks	68,918	
28. Excavation Damages		
29. Theft		
30. Other Loss (Explain)		
31. Total Water Loss	68,918	
Note: Line 14 + Line 22 + Line 31 must equal Line 4		
Water Loss Percentage		
Line 31 divided by Line 4		12.7731

Water Loss

“**Water loss**” means the sum of all water purchased and produced by the utility less the volume of water:

(a) Sold;

(b) Provided to customers without charge as authorized by the utility's tariff; and

(c) Used by the utility to conduct the daily operation and maintenance of its treatment, transmission, and distribution systems.

Water Loss Report Monthly

Basic Costs of Water Production and Distribution					Month:	Year:	
System Name:					PWSID:		
					Total Gallons Treated:		
Man-Hours Cost (for hours actually worked at treatment plant)							
Employee Name	Hourly Wage	Hourly Fringe	Hours Worked	Monthly Cost	This report does not include analytical and other water system operational or maintenance costs. For determining customer and wholesale rates consider a cost of service study.		
Total Man-Hours Cost							
Chemical Cost							
Chemical Name	Units (lbs or gals)	Cost per Unit	Monthly Cost	Chemical Name	Units (lbs or gals)	Cost per Unit	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			\$0.00			\$0.00	
			Total Chemical Cost:	\$0.00			
Electrical Cost							
Treatment Facility:							
Low Service (if separate):							
High Service (if separate):							
Gas for heating:							
			Total Electrical Cost:				
			Total Heating Cost:				
Additional Distribution Cost							
Booster Pump Station Name	Gallons Pumped	Electricity	chemical (lbs or gals)	cost per lb or gal	chemical cost	Station Cost	Cost of Production plus Distribution Per Thousand
Total Production Cost for Month:				Production Cost Per Thousand Gallons:			
Total Distribution Cost for Month:		\$0.00		Average Production + Distribution:			
Total:		\$0.00					



Water Loss Monthly-Excavation and Breaks

Monthly Excavation Break Report			Area Calculator					
0 (name of Water System)			diameter in inches Hole = 0.000 sq. in.					
0 (PWSID)			length (in) width (in) Crack = 0 sq. in.					
Month	0		Insert the approximate dimensions of the hole or crack to determine the area of the break. Insert the area in the spreadsheet below.					
Year	0		Reference width - paper (0.004) dime (0.045)					
Date	Excavation Break Location	Excavator	Minutes	Hole or Crack?	Area of hole or crack	Normal PSI	GPM	Gallons Lost During Break

Monthly Main Line Repair Report			Area Calculator					
0 (Water System)			diameter in inches Hole= 0.000 sq. in.					
0 (PWSID)			length (in) width (in) Crack= 0 sq. in.					
Month	0		Insert the approximate dimensions of the hole or crack to determine the area of the break. Insert the area in the spreadsheet below.					
Year	0		Reference width - paper (0.004) dime (0.045)					
Date of Repair	Location of Leak or Line Break	Days Line Leaked?	Hole or Crack?	Area of hole or crack	Normal PSI	GPM	Calculated Loss for Month	Estimated Loss for Month

[illegible]

Area Calculator

diameter in inches

Hole=

Area= 0.000 sq. in.

Insert the approximate dimensions of the hole or crack to determine the area of the break. Insert the area in the spreadsheet below.

Reference width - paper (0.004) dime (0.045)

length (in) width (in)

Crack=		
Area=	0	sq. in.

Date of Repair

Location of Leak or Line Break

Days Line Leaked?

Hole or Crack?

Area of hole or crack

Normal PSI

GPM

**Calculated Loss
for Month**

**Estimated Loss for
Month**



Water Loss-Line Break Log

Monthly Line Break Log		(water system)	0			
Month	0	PWSID	0			
Year	0					

Date	Location	Time Found	Population Affected	Time for Repair	Disinfectant Residuals			Bact Samples		
					Date	Time	Result	Date	Time	Result

Water Loss-Flushing

DBP Maintenance Flushing (Hydrants and Tanks)

0	(name of Water System)	Month	0
		Year	0
0	(PWSID)		
Formula:		GPM = $29.83 \text{ cd}^2 \sqrt{p}$	unit conversion factor
			29.83
		coefficient value	0.95

Date	Indicate Water Storage Tank Name or Hydrant Location and/or Number	Total Minutes Operated	Nozzle size (typically 2.5 or 4.5)	Pitot Pressure	GPM	Gallons Flowed	Estimated or Metered Flow

Monthly Hydrant Flushing Report (Flushing for other than DBP maintenance)

0	(name of Water System)	Month	0
		Year	0
0	(PWSID)		
Formula:		GPM = $29.83 \text{ cd}^2 \sqrt{p}$	unit conversion factor
			29.83
		coefficient value	0.95

Date	Hydrant Location and/or Number	Reason Operated	Total Minutes Operated	Nozzle size (typically 2.5 or 4.5)	Pitot Pressure	GPM	Gallons Flowed	Estimated Flow if Pitot not used

Water Loss-Fire Department

Fire Department - Water Usage Report Form

KRS 278.170(3) 807 KAR 5:095 Section 9

Any city, county, urban-county, charter county, fire protection district, or volunteer fire protection district ("User") may withdraw water from the utility's water distribution system for the purpose of fighting fires or training firefighters at no charge on the condition that it maintains estimates of the amount of water used for fire protection and training during the calendar month and reports the amount of this water usage to the utility no later than the 15th day of the following calendar month.

Any city, county, urban-county, charter county, fire protection district, or volunteer fire protection district that withdraws water from the utility's water distribution system for fire protection or training purposes and fails to submit the required report on water usage in a timely manner shall be assessed the cost of this water.

A non-reporting user's usage shall be presumed to be 0.3 percent of the utility's total water sales for the calendar month.

				(name of Fire Department)		Month		
				(name of Water System)		Year		
						unit conversion factor	29.83	
						coefficient value	0.95	

Date	Hydrant Location and/or Number	Reason Operated	Total Minutes Operated	Nozzle size (typically 2.5 or 4.5)	Pitot Pressure	GPM	Gallons Flowed	Estimated Flow if Pitot not used



Monthly Water Loss Report

PUBLIC SERVICE COMMISSION		
Monthly Water Loss Report		
Water Utility:	0	PWSID: 0
For the Month of:	0	Year: 0
LINE #	ITEM	GALLONS (Omit 000's)
1	WATER PRODUCED AND PURCHASED	
2	Water Produced	0
3	Water Purchased	0
4	TOTAL PRODUCED AND PURCHASED	0
5		
6	WATER SALES	
7	Residential	0
8	Commercial	0
9	Industrial	0
10	Bulk Loading Stations	0
11	Wholesale	0
12	Public Authorities	0
13	Other Sales (explain) 0	0
14	TOTAL WATER SALES	0
15		
16	OTHER WATER USED	
17	Utility and/or Water Treatment Plant	0
18	Wastewater Plant	0
19	System Flushing	0
20	Fire Department	0
21	Other Usage (explain) 0	0
22	TOTAL OTHER WATER USED	0
23		
24	WATER LOSS	
25	Tank Overflows	0
26	Line Breaks	0
27	Line Leaks	0
28	Excavation Damages	0
29	Theft	0
30	Other Loss (explain) Unknown Loss	0
31	TOTAL LINE LOSS	0
32		
33	Note: Line 14 + Line 22 + Line 31 Must Equal Line 4	
34		
35	WATER LOSS PERCENTAGE	
36	(Line 31 Divided by Line 4)	#DIV/0!

Water Cost of Production and Distribution

Basic Costs of Water Production and Distribution

Month: Year:

System Name: PWSID:

Total Gallons Treated:

Man-Hours Cost (for hours actually worked at treatment plant)

Employee Name	Hourly Wage	Hourly Fringe	Hours Worked	Monthly Cost

Total Man-Hours Cost

Chemical Cost

Chemical Name	Units (lbs or gals)	Cost per Unit	Monthly Cost
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

Chemical Name	Units (lbs or gals)	Cost per Unit	Monthly Cost
			\$0.00
			\$0.00
			\$0.00
			\$0.00
			\$0.00

Total Chemical Cost:

Electrical Cost

Treatment Facility:

Low Service (if separate):

High Service (if separate):

Total Electrical Cost:

Gas for heating:

Total Heating Cost:

Additional Distribution Cost

Booster Pump Station Name	Gallons Pumped	Electricity	chemical (lbs or gals)	cost per lb or gal	chemical cost	Station Cost	Cost of Production plus Distribution Per Thousand

Total Production Cost for Month:

Total Distribution Cost for Month:

Total:

Production Cost Per Thousand Gallons:

Average Production + Distribution:



Monthly Water Loss Report- Management

Board and Management Monthly Water Use Report			
Water Utility:	0	PWSID:	0
For the Month of:	0	Year:	0
Billing Period:		To	
1	PRODUCTION COST PER THOUSAND	(insert cost)	
2	PURCHASE COST PER THOUSAND	(insert cost)	
WATER PRODUCED or PURCHASED		GALLONS	
3	Water Produced		
4	Water Purchased		
5	TOTAL PRODUCED AND PURCHASED	0	
6	TOTAL COST		
WATER SOLD			
7	Residential		
8	Commercial		
9	Industrial		
10	Bulk Loading Stations		
11	Wholesale (other water systems, special contracts, etc.)		
12	Public Authorities (fire departments, public pools, parks, etc.)		
13	Other Sales (explain)		
14	TOTAL WATER SOLD	0	
15	TOTAL WATER NOT SOLD	0	
BREAKDOWN OF WATER USAGE			
16	Water Treatment Plant		
17	Wastewater Treatment Plant		
18	System Flushing (routine and complaint flushing)	0	
19	DBP Flushing (forced tank overflows and hydrant flushing)	0	
20	Fire Department (documented for firefighting and training)	0	
21	Other Usage (explain)		
22	TOTAL USAGE	0	
BREAKDOWN OF WATER LOST			
23	Tank Overflows (other than for DBP maintenance)		
24	Main Line Breaks (long term leakage during current month)	0	
25	Service Line Breaks (repaired during current month)	0	
26	Line Leaks (calculated line leakage, meter inaccuracies, etc.)		
27	Excavation Damage Loss (short term leakage)	0	
28	Theft (documented)		
29	TOTAL DOCUMENTED WATER LOST	0	
30	COST OF DOCUMENTED WATER LOST		
"UNKNOWN LOSS" FLOW RATE AND COST:			
31	"Unknown Loss"	0	
32	% "Unknown Loss"		
33	(insert billing period dates at top of page) Number of Days in Period	0	
34	"Unknown Loss" per Day (Gallons per Day)	#DIW/DI	
35	"Unknown Loss" per Minute (GPM)	#DIW/DI	
36	"Unknown Loss" Cost for Month		
37	WATER LOSS PERCENTAGE FOR PSC RATEMAKING PURPOSES		

Board and Management Monthly Water Use Report

Water Utility: Angtown PWSID: KY060000
 For the Month of: July Year: 2026
 Billing Period: 7/1/2026 to 7/31/2026

1	PRODUCTION COST PER THOUSAN	\$0.85
2	PURCHASE COST PER THOUSAND	\$0.00

	WATER PRODUCED or PURCHASED	GALLONS	
3	Water Produced \$19,500.00	30,000,000	100.0%
4	Water Purchased \$0.00	0	0.0%
5	TOTAL PRODUCED AND PURCHASED	30,000,000	
6	TOTAL COST \$19,500.00		

	WATER SOLD		
7	Residential	24,000,000	
8	Commercial	0	
9	Industrial	0	
10	Bulk Loading Stations	20,000	
11	Wholesale (other water systems, special contracts, etc.)	0	
12	Public Authorities (fire departments, public pools, parks, etc.)	0	
13	Other Sales (explain)	0	
14	TOTAL WATER SOLD	24,020,000	80.1%
15	TOTAL WATER NOT SOLD	5,980,000	19.9%

	BREAKDOWN OF WATER USAGE		
16	Water Treatment Plant	150,000	
17	Wastewater Treatment Plant	0	
18	System Flushing (routine and complaint flushing)	28,387	\$18.45
19	DBP Flushing (forced tank overflows and hydrant flushing)	0	
20	Fire Department (documented for firefighting and training)	13,719	\$8.92
21	Other Usage (explain)	0	
22	TOTAL USAGE	192,106	

	BREAKDOWN OF WATER LOST		
23	Tank Overflows (other than for DBP maintenance)	0	
24	Main Line Breaks (long term leakage during current month)	485,887	\$315.83
25	Service Line Breaks (repaired during current month)	466,086	\$302.96
26	Line Leaks (calculated line leakage, meter inaccuracies, etc.)	0	
27	Excavation Damage Loss (short term leakage)	39,234	\$25.50
28	Theft (documented)	0	
29	TOTAL DOCUMENTED WATER LOST	991,207	
30	COST OF DOCUMENTED WATER LOST	\$644.28	

	"UNKNOWN LOSS" FLOW RATE AND COST:		
31	"Unknown Loss"	4,796,887	
32	% "Unknown Loss"	16.0%	
33	Number of Days in Period	30	
34	"Unknown Loss" per Day (Gallons per Day)	159,896	
35	"Unknown Loss" per Minute (GPM)	111.03	
36	"Unknown Loss" Cost for Month	\$3,117.85	

	WATER LOSS PERCENTAGE FOR PSC RATEMAKING PURPOSES		19.29%
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Section 9. A utility that permits a fire department to withdraw water from its water distribution system for fire protection and training purposes at no charge or at reduced rates shall:

- (1) Require a fire department to submit quarterly reports demonstrating its water usage for the quarter; and
- (2) State in its tariff the penalty to be assessed for failure to submit the reports required by subsection (1) of this section.

Fire Department

Fire Department - Water Usage Report Form

KRS 278.170(3) 807 KAR 5:095 Section 9

Any city, county, urban-county, charter county, fire protection district, or volunteer fire protection district ("User") may withdraw water from the utility's water distribution system for the purpose of fighting fires or training firefighters at no charge on the condition that it maintains estimates of the amount of water used for fire protection and training during the calendar month and reports the amount of this water usage to the utility no later than the 15th day of the following calendar month.

Any city, county, urban-county, charter county, fire protection district, or volunteer fire protection district that withdraws water from the utility's water distribution system for fire protection or training purposes and fails to submit the required report on water usage in a timely manner shall be assessed the cost of this water.

A non-reporting user's usage shall be presumed to be 0.3 percent of the utility's total water sales for the calendar month.

		(name of Fire Department)		Month			
		(name of Water System)		Year			
				unit conversion factor		29.83	
				coefficient value		0.95	

Date	Hydrant Location and/or Number	Reason Operated	Total Minutes Operated	Nozzle size (typically 2.5 or 4.5)	Pitot Pressure	GPM	Gallons Flowed	Estimated Flow if Pitot not used



Suggestions

- Ensure accurate reporting
- Review and document water loss reduction efforts
- PSC will consider utility requests for surcharges to assist in financing water loss reduction efforts

Deviation

- In special cases for good cause shown the commission may permit deviations from these rules and regulation.
 - Storage requirements
 - Periodic Meter Tests
 - Inspection of Systems

Contact Information

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