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July 15, 2026

Ms. Linda C. Bridwell, P.E.
Executive Director
Kentucky Public Service Commission
P.O. Box 615
Frankfort, KY 40602-0615

Re: ***Case No. 2021-00063***
East Logan Water District

Dear Ms. Bridwell:

Enclosed for filing in the above-referenced matter is East Logan Water District's ("the District") Water Loss Report for the Second Quarter of Calendar Year 2026 (April 1 – June 30). Regarding its efforts to fund and construct the projects identified in its 2021 Capital Improvement Plan, the District recently updated that plan. A copy of the updated plan is also enclosed. Please be advised that the Lost City/Homer Chapel Pump Station Rehabilitation Project, which is described in the updated plan, was recently completed.

In accordance with 807 KAR 5:001, Section 8, and the Public Service Commission's Order of July 22, 2021 in Case No. 2020-00085, I certify that this letter was transmitted to the Public Service Commission this day and that currently no party in this proceeding has been excused by the Public Service Commission from electronic filing procedures.

Sincerely,

Stoll Keenon Ogden PLLC

Gerald E. Wuetcher

Enclosures

Second Quarter 2026 Water Loss Report

PUBLIC SERVICE COMMISSION
Monthly Water Loss Report

Water Utility: East Logan Water District **PWSID:** KY0710951

For the Month of: April **Year:** 2026

LINE #	ITEM		GALLONS (Omit 000's)
1	**WATER PRODUCED AND PURCHASED**		
2	Water Produced		0
3	Water Purchased		26,313
4		**TOTAL PRODUCED AND PURCHASED**	**26,313**
5			
6	**WATER SALES**		
7	Residential		21,090
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**	**21,090**
15			
16	**OTHER WATER USED**		
17	Utility and/or Water Treatment Plant		0
18	Wastewater Plant		0
19	System Flushing		180
20	Fire Department		0
21	Other Usage (explain	0	0
22		**TOTAL OTHER WATER USED**	**180**
23			
24	**WATER LOSS**		
25	Tank Overflows		0
26	Line Breaks		2,058
27	Line Leaks		0
28	Excavation Damages		0
29	Theft		0
30	Other Loss (explain)	Unknown Loss	2,984
31		**TOTAL LINE LOSS**	**5,043**
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)**		**19.16%**

PUBLIC SERVICE COMMISSION
Monthly Water Loss Report

Water Utility: East Logan Water District **PWSID:** KY0710951

For the Month of: May **Year:** 2026

LINE #	ITEM		GALLONS (Omit 000's)
1	**WATER PRODUCED AND PURCHASED**		
2	Water Produced		0
3	Water Purchased		26,874
4		**TOTAL PRODUCED AND PURCHASED**	**26,874**
5			
6	**WATER SALES**		
7	Residential		20,916
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**	**20,916**
15			
16	**OTHER WATER USED**		
17	Utility and/or Water Treatment Plant		0
18	Wastewater Plant		0
19	System Flushing		200
20	Fire Department		0
21	Other Usage (explain	0	0
22		**TOTAL OTHER WATER USED**	**200**
23			
24	**WATER LOSS**		
25	Tank Overflows		0
26	Line Breaks		1,597
27	Line Leaks		0
28	Excavation Damages		0
29	Theft		0
30	Other Loss (explain)	Unknown Loss	4,161
31		**TOTAL LINE LOSS**	**5,758**
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)**		**21.43%**

PUBLIC SERVICE COMMISSION
Monthly Water Loss Report

Water Utility: East Logan Water District **PWSID:** KY0710951

For the Month of: June **Year:** 2026

LINE #	ITEM		GALLONS (Omit 000's)
1	**WATER PRODUCED AND PURCHASED**		
2	Water Produced		0
3	Water Purchased		27,598
4		**TOTAL PRODUCED AND PURCHASED**	**27,598**
5			
6	**WATER SALES**		
7	Residential		21,729
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**	**21,729**
15			
16	**OTHER WATER USED**		
17	Utility and/or Water Treatment Plant		0
18	Wastewater Plant		0
19	System Flushing		270
20	Fire Department		0
21	Other Usage (explain	0	0
22		**TOTAL OTHER WATER USED**	**270**
23			
24	**WATER LOSS**		
25	Tank Overflows		0
26	Line Breaks		1,177
27	Line Leaks		0
28	Excavation Damages		0
29	Theft		0
30	Other Loss (explain)	Unknown Loss	4,422
31		**TOTAL LINE LOSS**	**5,600**
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)**		**20.29%**

2026 Capital Improvements Plan Update

2026 Capital Improvements Plan Update

For the

East Logan Water District

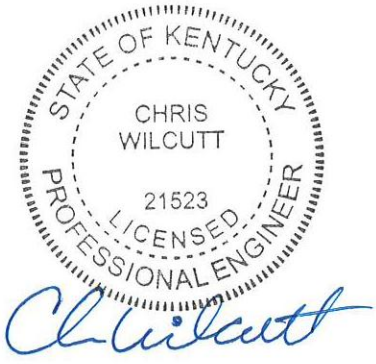
Russellville, Kentucky

Prepared by:

McGhee Engineering, Inc.

Guthrie, Kentucky

www.mcgheeengineering.com



April 28, 2026

East Logan Water District

2026 Capital Improvements Plan Update

Introduction

East Logan Water District (ELWD) is committed to providing excellent water services for all our customers in a county that continues to grow and evolve. Water is a necessary component of county expansion, economic growth, adaptable technologies, and enhanced public health and safety.

Authority

East Logan Water District was created by Logan County Court order on November 8, 1972, and has been in continuous existence since that time. ELWD is responsible for providing water service to the unincorporated areas of Logan County. User fees from customers provide all income.

Service Area

The East Logan Water District (ELWD) is comprised of roughly 300 miles of water line and serves nearly 3,450 customers, which are almost entirely rural residences. The District purchases all of its treated water from the Logan Todd Regional Water Commission. Average daily usage is currently just above 642,000 gpd. The ELWD is the largest water system in Logan County both in terms of customers and geographic area covering over a third of Logan County. Almost all roads within the District boundary have water service, with only short extensions needed from time to time to accommodate a new development.

Services

The East Logan Water District is a member of and purchases all of its water from the Logan Todd Regional Water Commission (LTRWC). LTRWC will continue to be the exclusive source of treated water for future projects. The LTRWC plant in Guthrie is currently rated at 13.0 MGD, and it is currently operating at approximately 55% capacity. The 2023 expansion of the facility increased the plant capacity from 10 to 13 MGD. Raw Water is obtained from the Cumberland River in Clarksville, Tennessee. Sufficient treatment capacity exists at the Guthrie plant for the proposed improvements.

District Goals

In recent years, the East Logan Water District has focused on retiring system debt. This effort has been successful, with only $158,000 remaining in long-term debt. Because of this focus, the District has been reluctant to take on new debt for projects. As a result, there have been no new capital projects in the funding “pipeline”.

Capital Improvements Plan

The Capital Improvements Plan (CIP) is a multi-year planning tool used to identify community infrastructure needs and sources of financing. The purpose of a CIP is to facilitate the planning of infrastructure improvements, to maintain East Logan Water District's (ELWD) existing distribution system, and to provide for acquisition or replacement of equipment to ensure expedient delivery of services to the community.

A CIP is an essential tool for maintaining the well-being of the system. The plan is necessary to strengthen the quality of both facilities and services, and to set community goals into action while also informing residents and stakeholders of how the municipality plans to address significant needs over the next 10 years.

The projects outlined in the CIP represent the District's current plan to both serve residents and anticipate maintenance and replacement needs. Since things change continuously, a CIP should not be a static document. At least each year, all projects should be reviewed, completed projects removed, new projects added, and adjustments to existing projects made depending on circumstances.

Budgeting

The CIP provides a link between planning and budgeting for capital projects. ELWD acknowledges that these projects represent a reasonable interpretation of the upcoming needs for the community and that projects contained in the first year of the plan are suitable for inclusion in the upcoming budget.

Prioritization & Criteria

The East Logan Water District is a relatively large water system covering most of the eastern and northern part of Logan County. Nearly all roads within the ELWD boundary have water service.

Presently, the District's biggest problems or needs are in three parts: 1) cutting water losses in the distribution system; 2) replacing selected aging and/or undersized primary transmission lines, and 3) installing strategic interconnections to improve system hydraulics and provide redundant feeds within the system.

All capital projects are evaluated and scored from 1 – 5, with 5 being the most critical. The scoring committee comprised of the ELWD Water Board Commissioners, the System Manager, and the Operations Manager meet monthly to discuss system needs, project necessity, and budgetary obligations.

Funding

Availability of funding is an important factor in determining the scope and timing of any infrastructure improvements. Ordinarily, funding for rural public water projects is available from public sources such as USDA Rural Development, Kentucky Infrastructure Authority, and other more specialized programs like the Community Development Block Grant program. Private funding is available from bond pooling programs such as operated by the Kentucky Rural Water Association and others.

The public programs have limited funds, a long and complicated application and approval process, and an uncertain timeline for funding availability. The private programs are generally quicker and simpler to secure, but often have higher rates and shorter terms. Public programs often have some grant component to their funding while private programs do not.

Determining which program or combination of programs is best for a given project is difficult. Even with today's low interest rates, the governing boards often want a substantial portion of the funding in grant before being willing to undertake a project.

The Water District closely tracks the activities of the Kentucky General Assembly, and they have communicated regularly with their state legislatures to keep them aware of critical needs. Additionally, there continues to be the specter of a federal infrastructure bill that has the potential to infuse historic levels of funding into utility systems. Should new funding sources come to fruition, the funding and timing of these improvements would likely change significantly.

Line Upgrade to Cemetery Tank Project

The proposed project involves replacement and upgrade of approximately 11,000 LF of waterline with a new 10" PVC pipeline originating at the Logan Todd Regional Water Commission's pump station on US Highway 68 and traversing on a cross-country route to the District's Cemetery Road Tank. This project is needed to better serve customers in a growing area of East Logan WD. The District's operators have identified this transmission line as undersized and stressed for the most rapidly growing area of their water system. The project has an estimated cost of $1,065,000 and would be expected to take approximately six months for completion.

Preliminary Project Budget

Item	Quantity	Units	Unit Price	Total
Construction - Line Upgrade to Cemetery Tank (Cross-Country Option)				
10" SDR-21 PVC Water Main	10,600	LF	$ 50.00	$ 530,000
10" SDR-21 PVC Yelomine Certa-Lok Water Main	400	EA	$ 60.00	$ 24,000
16" Steel Cased Road/RR Combo Bore	110	LF	$ 600.00	$ 66,000
16" Steel Cased 4-Lane Road Bore	260	LF	$ 600.00	$ 156,000
16" Steel Cased Open Cut Road Crossing	20	LF	$ 225.00	$ 4,500
6"x6" Tapping Sleeve & Valve {Pump}	2	EA	$6,000.00	$ 12,000
8"x8" Tapping Sleeve & Valve {Tank}	1	EA	$9,500.00	$ 9,500
Plug & Cap Existing 6" Line	3	EA	$3,000.00	$ 9,000
Water Meter Reconnections	3	EA	$2,500.00	$ 7,500
10" Gate Valve & Box	2	EA	$6,500.00	$ 13,000
	TOTAL - All Construction			**$ 831,500**
Non-Construction Items				
Administrative Expenses				$ 5,000
Legal Costs				$ 7,500
Land & ROW				$ 1,000
Preliminary Engineering				$ 10,000
Design Engineering				$ 53,100
Construction Phase Engineering Services				$ 22,800
Construction Inspection				$ 49,400
SUBTOTAL - Non-Construction				**$ 148,800**
Contingency *(+/-10%)*				$ 84,700
TOTAL ESTIMATED PROJECT COST				**$1,065,000**

System-Wide Meter/Service Replacement Project

Over the past 5 years, the East Logan Water District has initiated service replacement upgrades in two of their pressure zones (Bucksville 1 and Highway 79). These projects consisted of completely new service tubing from the main to the meter, new meters, all new meter service accessories, and reconnection to the customer's service line. The District has witnessed considerable reduction in water loss within these two completed zones.

The proposed project is a continuation of this effort and involves replacement of all meters, setters, boxes, and service tubing for approximately 1,514 active meter sets. The District's operators have identified aging and leaking service tubing to be a significant source to the District's water loss issue, which measured at 26.63% in 2024 per PSC Records. The project has an estimated cost of $5,055,000 and would be expected to take a full year for completion if undertaken as a contracted project. Funding would need to be secured from one or more of the infrastructure financing agencies such as USDA Rural Development or the Kentucky Infrastructure Authority,

Preliminary Project Budget

Item	Quantity	Units	Unit Price	Total
Construction - System-wide Meter Service Replacement				
Replace & Reconnect Near Side Meter (All Sizes)	757	EA	$1,800.00	$ 1,362,600
Replace & Reconnect Far Side Meter (All Sizes)	757	EA	$3,500.00	$ 2,649,500
Re-connection to Customer's Line by Plumber	1,514	EA	$ 100.00	$ 151,400
Pavement Replacement & Repair	5,000	SF	$ 25.00	$ 125,000
	TOTAL - All Construction			**$ 4,288,500**
Non-Construction Items				
Administrative Expenses				$ 2,000
Legal Costs				$ 2,500
Design Engineering & Bid Documents				$ 105,000
Construction Phase Engineering Services				$ 80,000
Construction Inspection				$ 150,000
SUBTOTAL - Non-Construction				**$ 339,500**
Contingency *(+/-10%)*				$ 427,000
TOTAL ESTIMATED PROJECT COST				**$ 5,055,000**

As in the past, the more likely approach is to complete the replacement in phases over several years with smaller contracts or with ELWD purchasing the supplies and self-performing the work. This could be financed by a combination of District funds plus State Legislature funds and/or loan/grant funds from RD/KIA.

The first step will likely be a complete replacement of all meters and service lines in the Dennis Tank area of ELWD, which contains approximately 374 connections. This area appears to be the most critical with significantly higher water loss but is relatively easy to isolate to see if the proposed improvements have a worthwhile impact. Other zones to follow, listed in order of need, include Bucksville II (117 meters), Montgomery (195 meters), Cemetery North (192 meters), Duncan Chapel (449 meters) and Beechland (217 meters).

Lost City/Homer Chapel Pump Station Rehabilitation Project

The Project involves the removal of an existing booster pump station that was constructed in 2003 to serve the Beechland Tank, which is now off-line. The project will include the removal of all above-ground structures and the installation of a master meter & control valve vault to continue flow monitoring. The master meter at the site will be upgraded from 4" to 6", and the vault will also include new piping, valves, accessories and associated electrical components as needed. The project has an estimated cost of $70,500, and it is expected to take 30 days for completion. The District intends to self-fund the project.

Preliminary Project Budget

	Item	Quantity	Unit		Total
Construction - System-wide SCADA Improvements Project					
❶	Demolition of Existing Above-Ground Pump Station	1	LS		$ 5,000
❷	New Master Meter Vault & Asscessories	1	LS		$ 45,000
					$ 50,000
Non-Construction Items					
Administrative Expenses					$ 500
Legal Costs					$ 500
Design Engineering					$ 5,200
Construction Phase Engineering Services					$ 2,300
Construction Inspection					$ 7,000
SUBTOTAL - Non-Construction					**$ 15,500**
Contingency					$ 5,000
TOTAL ESTIMATED PROJECT COST					**$ 70,500**

System-Wide SCADA Improvements Project

The Project involves new construction and/or retrofitting of multiple metering vaults or other above-ground structures; all to monitor hydraulic performance and parameters within the East Logan Water distribution system. The project will include the addition of a new and complete system-wide SCADA system plus various other piping, valves, accessories and associated electrical components. The competed project will assist operators with quick identification of leaks or problems plus general monitoring of their system; all in effort to reduce water losses. The project is 'shovel ready' with plans completed in 2018. The project has an estimated cost of $3,655,000, and it is expected to take 180 days for completion.

$500,000 was committed to the project by USDA Rural Development in 2017 and the project was designed and bid. Scope additions and higher than anticipated prices pushed the project cost well above available funding. Attempts to reduce the scope to within the available funds while retaining a functional project were unsuccessful and the project was put on hold. Unfortunately, the original RD funding has since been passed over.

Funding for the project would now require re-application to RD or another funding agency, use of state funds, use of District reserve funds, or some combination.

Preliminary Project Budget

	Item	Quantity	Unit		Total
Construction - System-wide SCADA Improvements Project					
❶	Mechanical: Piping & Vaults (13 Sites)	1	LS		$ 1,150,000
❷	Electrical (18 Sites)	1	LS		$ 600,000
❸	SCADA & Communications (18 Sites)	1	LS		$ 1,250,000
					$ 3,000,000
Non-Construction Items					
Administrative Expenses					$ 1,000
Legal Costs					$ 2,500
Preliminary Engineering, Environmental, & Permitting					$ 15,000
Design Engineering					$ 150,000
Construction Phase Engineering Services					$ 65,000
Construction Inspection					$ 120,000
SUBTOTAL - Non-Construction					**$ 353,500**
Contingency					$ 301,500
TOTAL ESTIMATED PROJECT COST					**$ 3,655,000**

Main Line Upgrade & Replacement Project

The proposed project involves construction of over 20 miles of water line to replace aging and under-sized transmission lines plus replace two problematic crossings (Russellville Bypass and Motts Creek). The project has an estimated cost of $12,300,000, and it is expected to take 270 days for completion.

The most likely scenario is for ELWD to apply to RD or KIA for funding and undertake the work as a contracted project.

Preliminary Project Budget

	Item	Length	Size		Total
Construction - System-wide Waterline Upgrades & Replacements					
❶	Woodland Acres Replacement	6,700	4"/6"		$ 250,000
❷	Echo Valley Road Replacement	19,500	10"		$ 1,950,000
❸	KY Highway 100 Replacement	57,300	10"		$ 5,730,000
❹	Russellville Bypass Bore Replacement	400	8"		$ 160,000
❺	Motts Creek Crossing Replacement	200	6"		$ 141,000
❻	Airport Line Connector	8,000	8"		$ 368,000
❼	Chandlers Road Replacement	15,000	12"		$ 1,660,000
		TOTAL - All Construction			**$ 10,259,000**
Non-Construction Items					
Administrative Expenses					$ 5,000
Legal Costs					$ 20,000
Preliminary Engineering, Environmental & Permitting					$ 20,000
Design Engineering					$ 460,000
Construction Phase Engineering Services					$ 197,000
Construction Inspection					$ 313,000
SUBTOTAL - Non-Construction					**$ 1,015,000**
Contingency					$ 1,026,000
TOTAL ESTIMATED PROJECT COST					**$ 12,300,000**

Project Summary Table and Ranking

Project		Projected Cost	Time Frame	Priority	Status
1	Line Upgrade to Cemetery Tank (Cross-Country Route)	$1,065,000	1 YR	H	Pursuing
2	System-Wide Meter/Service Replacement	$5,055,000	1-5 YR	H	Funding dependent
2a	Dennis Tank Area		1 YR	H	Pursuing 1st phase
2b	Bucksville II Area		1-2 YR		
2c	Montgomery Road Area		2-3 YR		
2d	Cemetery North Area		2-3 YR		
2e	Duncan Chapel Area		3-4 YR		
2f	Beechland Area		4-5 YR		
3	System-Wide SCADA Improvements Project	$3,655,000	1-2 YR	M	Funding dependent
4	Lost City/Homer Chapel Pump Station Rehabilitation	$70,500	1 YR	H	Pursuing
5	Main Line Upgrades and Replacements Project	$12,300,000	5-10 YR	L	Funding Dependent

Priority: C = Critical, H = High, M = Medium, L = Low.

Short-Lived Assets Budget

In addition to the above-mentioned capital projects, the East Logan Water District also has a significant list of improvements that they are planning for to maintain adequate customer service as well as routine maintenance. These are summarized in the following Short-Lived Asset Forecast and Budget.

	Recurrence Interval			
Item	**0-5 Years**	**5-10 Years**	**10-15 Years**	**TOTAL**
Computer Upgrades	$ 10,000			
Software Upgrades	$ 15,000			
SCADA Instrument Replacement	$ 16,000			
Miscellaneous Tools & Equipment	$ 15,000			
Water Meter Replacement	$ 100,000			
Utility Trucks		$ 60,000		
Service Trucks		$ 75,000		
Backhoe		$ 125,000		
Miscellaneous Service Equipment		$ 65,000		
Pump/Motor Rebuilds		$ 55,000		
Large Meter Repair		$ 30,000		
Building Repairs and Maintenance		$ 25,000		
Tank Maintenance			$ 100,000	
TOTAL COST	$ 156,000	$ 435,000	$ 100,000	
TOTAL ANNUAL COST	**$ 62,400**	**$ 58,000**	**$ 8,000**	**$ 128,400**