



PEAKS MILL WATER DISTRICT

**7165 US 127 NORTH
FRANKFORT, KY 40601
502-227-5740**

MAY 8, 2025

TO: KENTUCKY PUBLIC SERVICE COMMISSION

FROM: GREG HEITZMAN
BLUEWATER, KENTUCKY, CONSULTANT FOR PMWD

SUBJECT: PSC CASE 2024-00256
PSC ORDER 20250319
FIRST DRAW REQUEST FROM WATER LOSS SURCHARGE ACCOUNT

Please find attached a summary of the proposed expenses to be charged to the Peaks Mill Water District's Water Loss Surcharge Account. Through March 31, 2025, the balance in the Water Loss Surcharge account is \$18,316.16. The projected balance on June 30, 2025 is \$29,560.41.

Peaks Mill Water District requests approval for reimbursement of these expenses from the Water Loss Surcharge Account.

If you have any questions, please contact me at 502-533-5073 or gheitzman@blewaterky.com.

A handwritten signature in blue ink that reads 'Greg C. Heitzman'.

Greg Heitzman, PE
BlueWater Kentucky



PEAKS MILL WATER DISTRICT

7165 US 127 NORTH
FRANKFORT, KY 40601
502-227-5740

**PEAKS MILL WATER DISTRICT
Water Loss Surcharge Expenditure Plan
KY PSC CASE 2024-00256
KY PSC ORDER 20250319**

**First Draw Request Summary for Period December 2024 to June 2025
April 15, 2025**

1. Two (2) Monarch Pressure Data Loggers (quote)	\$1,101.00
2. Dynasonic DXN Portable Flow Meter/date Logger (quote)	\$7,435.00
3. Five (5) Metron VNR Registers for 2-inch By-Pass meters (quote)	\$1,777.50
4. Five (5) Metron 5/8" Spectrum AMI Meters (quote)	\$2,002.50
5. Cartwright Contracting Shenandoah Leak Repair 3-17-25 (invoice)	\$3,065.46
6. CL Consulting Leak Detection in Feb and Mar 2025 (invoice)	\$1,600.00
7. BlueWater QIIP and Water Loss Plan for PSC approval (invoice)	\$2,325.00
8. BlueWater Project Management for Jan to Mar 2025 (invoice)	\$2,447.50

Subtotal Expenses December 2024 to March 2025 = \$21,753.96

9. CL Consulting Leak Detection Time in April to June 2025	\$2,250.00 estimated
10. BlueWater Project Management for April to June 2025	\$2,400.00 estimated
11. Proposed Summer Intern for May to June 2025	\$3,150.00 estimated

Projected April to June Expenses = \$7,800.00

Total First Draw Request = \$29,553.96

Current Surcharge Balance of 3/31/25 = \$18,316.16

Projected Surcharge Balance on 6/30/25 = \$29,560.41

Proposal to reimburse Operating Account from Water Loss Surcharge Account, pending PSC approval.

Invoices and Quotes available upon request.



PEAKS MILL WATER DISTRICT

7165 US 127 NORTH
FRANKFORT, KY 40601
502-227-5740

Peaks Mill Water District							Dec 2024 to June 2025		
Water Loss Reduction Plan - Approved by PSC Order 20250319 on 3/19/25							First Draw Request 4/15/25		
Proposed Surcharge Expenditure Plan 4/15/25							Quantity	Quote or Invoice	Actual
Item #	Item #	Description	Quantity	Unit Cost	Total	Budget	Quantity	Projected thru 6/30/25	
		Equipment, Meters and Technology Software		Estimate	Estimate	2025			
5.1.1		Pressure data loggers	2	\$600	\$1,200	\$1,200	2	\$1,101.00	
5.1.2		Portable ultrasonic meter and data logger (Dynasonic DXN or equal)	1	\$7,500	\$7,500	\$7,500	1	\$7,435.00	
5.1.3		Retrofit existing by- meters in Zone 1,2,3 with smart meter technology, includes software and equipment for six existing by-pass meters.	1	\$5,000	\$5,000	\$5,000	5	\$1,777.50	
5.1.4		3/4" and 1" smart flow meters for zone metering and leak detection	6	\$600	\$3,600	\$3,600	5	\$2,002.50	
5.1.5		2" smart flow meters for zone metering and leak detection	2	\$1,800	\$3,600	\$3,600	0	\$0.00	
		Subtotal			\$20,900	\$20,900		\$12,316.00	\$0
		Pressure Zone 1 Leak Monitoring and Meters							
5.2.1		Install valves in Zone 1 for sub-zone analysis. Includes materials and contract labor.	2	\$2,500	\$5,000	\$2,500	see 5.2.5.1	\$0.00	
5.2.2		Install 3/4" or 1" by-pass meter installations (Manley/Black Oak, Ridgewood, Tracy, Shadrick North). Includes materials and contract labor.	4	\$2,000	\$8,000	\$4,000	0	\$0.00	
5.2.3		Install pressure/flow telemetry at Zone 1 FPB supply/Shadrick valve. Includes materials and contract labor.	1	\$2,000	\$2,000	\$2,000	0	\$0.00	
5.2.4		Install ultrasonic AMI meter pilot in Stonewall/Ridgewood. Includes materials and contract labor.	70	\$400	\$28,000	\$14,000	0	\$0.00	
5.2.5		Repair leaks once identified by Zone and By-pass meters (assume 4), includes materials and contract labor.	4	\$1,500	\$6,000	\$3,000	see 5.2.5.1	\$0.00	
	5.2.5.1	Cartwright Leak Repair at 552 Shenandoah, Zone 1 - estimate 3-5 GPM loss. Includes valve install (item 5.2.1)					1	\$3,065.46	
New	5.2.6.1	CL Consulting (Jeff Lee) - Leak Detection in Zone 1 @\$50/hr. contract rate. Feb hours = 13, March hours= 19. 32 total hours at \$50/hr.					32	\$1,600.00	
New	5.2.6.2	CL Consulting (Jeff Lee) - Leak Detection in Zone 1 for April to June 2025 @\$50/hr. contract rate Estimate 15 hours/month @\$50/hr.					45	\$2,250.00	
		Subtotal			\$49,000	\$25,500		\$6,915.46	\$0
		Pressure Zone 2 Leak Monitoring							
5.3.1		Install valves in Zone 2 for sub-zone analysis	2	\$2,500	\$5,000		0	\$0.00	
5.3.2		Install 3/4" or 1" by-pass meter installations (Steele Branch, Wright, Sullivan 4", Strohmeyer Camp Ground, McDonald Ferry, Indian Gap/Bates, Indian Gap/Camp Pleasant). Includes materials and contract labor.	7	\$2,000	\$14,000		0	\$0.00	
5.3.3		Install Pressure/Flow Telemetry at Zone 2 Control Valve. Includes materials and contract labor.	1	\$2,500	\$2,500		0	\$0.00	
5.3.4		Install valves, access vault at Zone 1/2 Bermaid Control Valve/Meter on 8" PVC for use of portable ultrasonic meter to validate accuracy of Zone 2 meter. Includes materials and contract labor.	1	\$5,000	\$5,000		0	\$0.00	
5.3.5		Repair leaks once identified by Zone and By-pass meters (assume 4), includes materials and contract labor.	4	\$1,500	\$6,000		0	\$0.00	
		Subtotal			\$32,500			\$0.00	\$0
		Pressure Zone 3 Leak Monitoring							
5.4.1		Install valves in Zone 2 for sub-zone analysis	3	\$2,500	\$7,500		0	\$0.00	
5.4.2		Upgrade KAW/Old School Zone 2 and Zone 3 meters with AMI cellular connectivity and ultrasonic meters. Includes materials and contract labor.	1	\$7,500	\$7,500	\$7,500	0	\$0.00	
5.4.3		Install 3/4" or 1" by-pass meter installations (Union Ridge, Hamilton, Sharp, Harmony, Kays Branch). Includes materials and contract labor.	5	\$2,000	\$10,000		0	\$0.00	
5.4.4		Repair leaks once identified by Zone and By-pass meters (assume 4), includes materials and contract labor.	4	\$1,500	\$6,000		0	\$0.00	
		Subtotal			\$31,000	\$7,500		\$0.00	\$0
		Subtotal Equipment, Materials, and Labor			\$133,400	\$53,900		\$19,231.46	\$0
		Contingency 10%			\$13,340	\$5,390			\$0
		Total Equipment, Materials, Labor			\$146,740	\$59,290		\$19,231.46	\$0
		Project Management, Mapping, Reporting							
5.5.1		Project management and reporting - 10% of Project Budget.			\$18,000	\$4,500			
	5.5.1.1	BlueWater - develop QIIP and Waer Loss Plan to submit to PSC Dec 2024 to Jan 2025						\$2,325.00	
	5.5.1.2	BlueWater- Project Management from Jan 2025 to March 2025, for QIIP and WLR plan development and project management.						\$2,447.50	
	5.5.1.3	BlueWater Estimate for April to June 2025= \$800/month.					3	\$2,400.00	
5.5.2		Updating ARC GIS mapping system with pipes, valves, hydrants, zone and by-pass meters using Trimble GPS locator.	50	\$150	\$7,500	\$1,875			
New	5.5.2.1	Propose to hire summer intern at \$15hr to GPS all hydrants, valves, by-pass meters and add to map system. 10 to 12 weeks @ 35 hrs./wk. @\$15/hr. Estimate is 6 weeks for May to June 2025 (plan to continue in July and August).					210	\$3,150.00	estimated
5.5.3		Analysis of monthly water loss data to identify leaks, preparing monthly water loss reporting and conducting a water loss audit.	50	\$150	\$7,500	\$1,875	50	\$0.00	
	5.5.3.1	Included in 5.5.1						\$0.00	
		Subtotal Project Management, Mapping, Reporting			\$33,000	\$8,250		\$10,322.50	
		Total Project Budget			\$179,740	\$67,540		\$29,553.96	\$0
		WL Surcharge Funds Available thru March 31, 2025						\$0.44	
		Projected WL Surcharge Funds thru June 30, 2025						\$18,316.16	\$18,316.16
		Projected Balance						\$29,560.41	
								\$6.45	
		PSC Surcharge Approval Amount = \$44,977/year for 4 years			\$179,908				
		Remaining Budget			\$168				
Water Loss Reduction Plan prepared by BlueWater Kentucky.									