

Peaks Mill Water District 10-Year Capital Improvement Plan  
Updated 1/2/2025 by BlueWater KY

Capital Budget - 2025				
Item	Material Cost	Labor Cost	Unit Cost	Total
Replace/Install Valves - 5	\$1,200	\$1,800	\$3,000	\$15,000
Replace/Install Flush Hydrants - 3	\$1,200	\$1,800	\$3,000	\$9,000
Replace/Install Fire Hydrants - 1	\$3,200	\$1,800	\$5,000	\$5,000
Replace Meters - 120	\$250	\$50	\$300	\$36,000
Tank Mixing System - Shadrick	\$20,000	\$5,000	\$25,000	\$25,000
Miscellaneous Items > \$5,000. (Tools/Equipment/Software)				\$10,000
			<b>Total - 2025</b>	<b>\$100,000</b>

Peaks Mill Water District - 10 Year Capital Improvement Program 2025-2034							
Revised 9/27/22 GH, 11/10/22 GH, 1/23/23 GH, 1/2/25 GH							
#	Priority	Type	WRIS WX #	Project Title	Scope/Description	Years	Budget
1	A1	Renewal, Reliability, Hydraulics	WX 21073024	Sulfur Lick Booster Pump Station	Rehabilitate Sulphur Lick pump station, including pumps, motors, controls, SCADA telemetry; Project scope reduced to match grant fund availability from Franklin County (\$100,000) and Owen County (28% of project costs up to \$100,000). Original budget was \$350,000 to replace pump station and install backup supply from Georgetown.	2022-25	\$250,000
2	A2	Water Quality, Water Loss, Operating Equipment	WX 21073035	Distribution System Improvements for Water Quality and Water Loss	Install automatic flushing connections on dead end water mains to maintain chlorine residuals. Install on-line chlorine monitoring at PM Office. Install continuous water pressure monitoring as required by KY PSC. Install water circulation in the Shadrick Ferry and Herman Smithers tanks to improve water quality. Purchase equipment for leak detection, line location, and flow measurement. \$113,000 funded from CWP Grant, balance from PMWD reserves.	2022-25	\$150,000
3	A3	Regulatory	WX 21073034	Service Line Inventory	Build a Service Line Inventory database required by the Revised Lead and Copper Rule. Complete inventory of 1250 services by Oct 2024. Scope of work includes vacuum excavation, property/house research age, and field inspection.	2025-27	\$65,000
4	A4	Renewal, Reliability	WX 21073039	PMWD - Annual Hydrant, Valve, Meter, Tool/Equipment Replacement Program	Annually replace hydrants and valves: 1 fire hydrants = \$5,000, 3 flush hydrants = \$9,000, 5 valves = \$15,000, and 120 meters = \$36,000, miscellaneous tools/equipment = \$75,000 annually using depreciation funds.	Annually	\$75,000
5	B1	Operations	WX 21073040	PMWD - Feasibility Study for Shared Water Services	Franklin County is served by six water utilities: Elkhorn Water District, Farmdale Water District, Frankfort Plant Board, North Shelby Water District, Peaks Mill Water District and US 60 Water District. Three of the water districts (Elkhorn, Farmdale, and Peaks Mill Water District) propose to explore a shared services partnership for the benefit of their customers.	2025-26	\$35,000
6	B2	System Reliability	WX # Not yet Assigned	Backup Power Supply/ Mobile Generator	Purchase backup generator, trailer, and three transfer switch's. Provides backup power for Sulphur Lick, Wright Road, and Snawder Hill Booster Pump Stations.	2025-26	\$127,500
7	B3	Customer Service	WX 21073036	AMR Replacement	Existing AMR system installed in 2009 and reaching end of useful life in 2024. Replace existing 1250 AMR meters with new AMR/AMI system. Scope includes meters, encoders, transponders, radios, communication software, field computers, leak sounding equipment. Phase project over 3-5 years.	2025-29	\$745,000

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#	Priority	Type	WRIS WX #	Project Title	Scope/Description	Years	Budget
8	B4	Regulatory, Customer Service	WX 21073027	Stonewall Subdivision Main Replacement	Replace 4,000 feet of 2-inch water mains with 5,000 feet of 6-inch and 4-inch water mains. Relocate 50 meter/services to front of house, install hydrants and line valves. Existing 3-inch water. Main is undersized and experiences high water loss. (Need to validate high water loss in Stonewall subdivision)	2027-29	\$582,950
9	B5	Renewal, Reliability	WX 21073026	US 127 8-inch Main Extension	Install 5,000 feet of 8-inch water main in Owenton Rd/US 127 from Quarles Road/Wright Rd/Perkins Lane to Strohmeier Bypass to replace existing 3" water main and provide backbone water supply for pressure zone 2. (Replaces vulnerable vertical 3-inch cast iron pipe near Strohmeier Bypass)	After 2028	\$566,250
10	B6	Renewal, Reliability	WX 21073038	PMWD - Harmony Lane Finished Water Interconnection	Install 1,200 feet of 6-inch water main in Harmony Road from existing dead end line to Georgetown Road (Hwy 227) to connect to Kentucky American Water Supply. Includes installation of master meter for backup/emergency supply from Kentucky American water main in Georgetown Road. Alternate scope to install interconnect in Cedar Road to US 127. Selected route will be based on evaluation of pressure, flow and water quality from Kentucky American at both locations.	2030-32	\$120,000
11	C2	Maintenance	TBD	Shadrick Ferry Tank Painting	Storage tank installed in 2005, plan to repaint exterior in 2027-31	2030-35	\$153,000
12	C3	Maintenance	TBD	Herman Smithers Tank Painting	Storage tank installed in 1986, plan to repaint exterior in 2027-31	2030-35	\$153,000
13	C4	Maintenance	TBD	Union Ridge Tank Painting	Storage tank installed in 2005, plan to repaint exterior 2027-31	2030-35	\$153,000
14	C5	Renewal, Reliability, Hydraulics	TBD	New Storage Tank	Replace Shadrick and Herman Smithers with 250,000 gallon elevated tank to improve hydraulics and water quality. May require upgrade of existing PRV stations.. (would eliminate need to paint Shadrick and Herman Smithers tank). Average Day demand for Zone 1 & 2 = 245,000 GPD. Estimated cost for 250,000 gallon tank is \$739,250, Net budget is \$ 433,250 when removing Shadrick and Herman Smithers tank painting. Need hydraulic analysis to verify tank capacity and tank OF elevation.	2030-35	\$433,250
<b>Total CIP 2025 to 2034</b>							<b>\$3,608,950</b>