

Marshall County FY2012 Water Rankings

Project Number	Applicant	Project Title	Regional Ranking	County Ranking	Total Points	Project Cost	Committed Funds	Project Description
WX21157046	Marshall County Fiscal Court	Water Vision 2020 Projects	1	1	59	\$6,000,000	\$1,908,000 HB 608 \$1,950,000 HB 380	Several areas in Marshall County are being studied for the expansion of water service. The Marshall County Fiscal Court has entered an agreement with the cities and water districts to serve these areas. The major areas for expansion include the Brewers community, which will be served by the Jonathan Creek Water District, the Oak Level community, which will be served by the City of Benton, and several extensions within the North Marshall Water District and Calvert City. Tanks, water pumps, interconnects and other various projects will be included to better serve these communities.
WX21157037	City of Calvert City	Relocating Water Treatment Plant and Wells	19	2	40	\$25,000,000	\$0	Due to the recent flooding in Spring of 2011, Calvert City is planning to relocate the water treatment plant and wells out of the flood plain zone. Calvert City spent thousands of dollars preventing the flooding of the plant and wells. This project will also upgrade the existing water department building. the improvements include lab facilities, which will enhance the testing and treatment ability of the system. It is estimated right now that the cost of a new treatment plant is \$3-5 per gallon, bringing the estimated project cost for right now to \$25,000,000.
WX21157044	Jonathan Creek Water District	Phase III Expansion (Near KY 402)	11	3	41	\$200,000	\$0	This project will expand service to areas that were not reached in previous expansion efforts. A number of roads off of KY-402 will be serviced with these extensions.
WX21157039	City of Calvert City	New Well Field	36	4	31	\$200,000	\$0	The city is considering identifying and purchasing a new well field.
WX21157004	Jonathan Creek Water District	Expansion	20	5	37	\$226,148	\$0	The Jonathan Creek Water District has several gaps within the system that need to be addressed. These areas are highly populated and contain several resorts around the lake that are on private systems. These private systems could be connected with the public system in order to insure proper testing and treatment of the drinking water.
WX21157006	Jonathan Creek Water District	Expansion		6		\$285,740	\$0	The extension of current water lines in the project area will provide water services to several homes and private resorts. This will help better the current system and help the area's growth potential.
WX21157031	City of Calvert City	Lone Valley Road Interconnect		7		\$100,000	\$0	This project will create an interconnect with North Marshall Water District along Lone Valley Road. It will add 7 customers, and require approximately 5,000 feet of 6-8" PVC main.
WX21157035	City of Calvert City	KY 282 North Marshall Interconnect		8		\$60,000	\$0	This project will create an emergency back up to the North Marshall Water District on KY 282. This will provide an emergency back up for customers. The extension will require approximately 300 feet of 10" PVC, as well as the installation of a meter to monitor potential usage.
WX21157011	North Marshall Water District	Line Replacement		9		\$8,813,098	\$0	North Marshall Water District needs to replace asbestos cement lines.
WX21157015	City of Calvert City	South Water Line Extension		10		\$439,472	\$0	This project will provide water to customers not presently served by a public utility. This includes KY 95, between US 62 and the Purchase Parkway, as well as E.M. Hurley Road and KY 3456. Approximately 45 customers will have access to municipal service with the completion of these extensions.
WX21157016	City of Calvert City	KY 1523 Water Line Extension		11		\$443,819	\$0	Project will enhance present distribution system by increasing pressure and flow to existing and future manufacturing facilities.
WX21157021	North Marshall Water District	Asbestos Cement Water Line Replacement		12		\$3,313,259	\$0	This project consists of replacing asbestos cement water mains and undersized water mains that are deteriorating. Decay of asbestos cement in water mains is thought to be the primary cause for exceeding the McL for asbestos in the system. The decay can be attributed to a number of potential issues such as corrosive water, faulty pipe, high velocities, and other issues. The water district's approach to remedy this problem consists of the replacement of the deteriorated AC mains and undersized mains.

WX21157040	City of Calvert City	Line Evaluation and Rehab		13		\$100,000	\$0	The city plans a comprehensive water line evaluation, in order to determine the portions of line that are in most need of replacement. As a result of this examination, these water lines will also be replaced as part of this project.
WX21157042	City of Calvert City	New WTP Filters		14		\$300,000	\$0	This project will implement the use of 4 new filters at the Calvert City water treatment plant.
WX21157048	City of Calvert City	Variable Frequency Drives		15		\$85,000	\$0	Variable frequency drives (V.F.D.) will be installed at Calvert City's well field. These drives can be adjusted to meet demand & Peak power needs thru helping reduce electrical demand, which will save electricity. Also an onsite water generator will be connected to the V.F.D. Which can be used in emergency situations to produce potable water. A V.F.D. will also be installed in the Calvert City water plant on the high service pumps. This will also save energy and will serve as a backup to the current booster station.
WX21157032	City of Calvert City	Dismore Lane Extension		16		\$22,500	\$0	Calvert City plans to extend municipal service to the residents of Dismore Lane, which is located off of the Eastern section of Calvert City Road. This project will add approximately 5 customers. It will require 1500 feet of 6" PVC.
WX21157034	City of Calvert City	Johnson Subdivision Extension		17		\$20,000	\$0	Calvert City water plans to upgrade municipal water service to the Johnson subdivision, located on Oaklawn Lane and Quail Road, off of KY 282. This extension will pick up approximately 5 homes that are currently serviced by 2" lines. The project will require 1,200 feet of 6" PVC.
WX21157036	City of Calvert City	WTP to Cypress Creek Main Replacement		18		\$100,000	\$0	This project will address a section of aging main that is in need of replacement. It will relocate the current 8" cast iron section to the right side of the road, and replace it with 8" ductile steel.
WX21157041	City of Calvert City	Meter Replacement Program		19		\$600,000	\$0	Calvert City wants to replace old meters in the water system. The meters are reaching the end of their lifespan, and the new meters will help maintain accurate readings.
WX21157045	City of Calvert City	P.B. Cloud Road Extension		20		\$83,501	\$0	Calvert City would like to expand municipal service to P.B. Cloud road in northwestern Marshall County. This extension will serve approximately 7 new customers. The project will require 1,900 L.F. of 6" PVC, and has an estimated cost of \$83,501.
WX21157047	City of Calvert City	Riverport Water Line Extensions		21		\$2,000,000	\$0	The purpose of this project is to extend potable drinking water service throughout portions of the proposed Riverport industrial area. This would include the installation of new 12" and 8" water lines. The use of these lines in conjunction with existing infrastructure would provide a large portion of the distribution system serving the Riverport area with redundancy in service to protect against any potential service disruptions which could be detrimental to prospective industries.