



Gateway Area Development District

AREA DEVELOPMENT DISTRICT NEEDS

Primary Need: Repair and Replace Existing Infrastructure

Secondary Need: Meet Regulatory Requirements

There are a total of 16 water systems serving the Gateway Area Development District. Each water utility in the Gateway ADD was provided with the opportunity to identify the needs for the system. The needs of every system were considered in the determination of the Gateway Area Development District's primary and secondary Drinking Water needs.

The District's primary Drinking Water need is Repair/Replace Existing Infrastructure. This is the primary need for four of the five planning units, excluding Rowan County. Many of the utilities have identified this as their primary need due to aging waterline infrastructure in which line breaks are becoming more prevalent. Numerous other valve replacements, tank cleanings, and pump station projects are in need of attention due to age and increases in population served.

The secondary Drinking Water need is Meet Regulatory Requirements in the Gateway District. With more stringent rules and regulations being enforced, utilities need additional resources to keep up with changes. Rehabilitation work to treatment plant filters and flushing valves throughout the distribution systems will help keep chemical levels, in the water, within specified requirements.

Additional needs for the District, as identified by utilities, are Increase Storage Capacity to better serve existing customers and, to add additional customers on existing lines. Improve Security Risks by adding cameras and alarm systems to treatment plants and system appurtenances and Extend Services to Un-Served Areas.

Discussion and Determination of Planning Units

The Gateway Area Development District covers five planning units, each following a political county boundary. The five planning units are: Bath County, Menifee County, Montgomery County, Morgan County, and Rowan County.

There are three water utilities in Bath County. Two water districts, Bath County Water District and Sharpsburg Water District, and one municipality, City of Owingsville Water and Sewer. The systems within the planning unit total 5,989 connections (residential, commercial, industrial, etc.)

Two utilities are included in the Menifee County Planning Unit, City of Frenchburg Water and Sewer, a municipality, and Cave Run Water Commission. The City of Frenchburg Water and Sewer has a total of 2,737 connections (residential, commercial, industrial, etc.). Cave Run Water Commission is a wholesale water producer and does not have residential customers. Cave Run supplies water to the City of Frenchburg Water and Sewer, Jeffersonville Water, and Morgan County Water District.

The Montgomery County Planning unit includes six water utilities. Two utilities are municipalities; Mount Sterling Water and Sewer and Jeffersonville Water, two associations; Judy Water and Levee Road Water, and two water districts; Montgomery County Water District #1 and Reid Village. These six water systems have a total of 10,440 connections (residential, commercial, industrial, etc.).

One municipality, West Liberty Water Works, and one water district, Morgan County Water District, make up the two water utilities in the Morgan County Planning Unit. The two water utilities total 3,280 connections (residential, commercial, industrial, etc.).

Three water systems are located in the Rowan County Planning Unit. There is one municipality, Morehead Utility Plant Board, one association, Rowan Water, Inc., and one higher education institution, Morehead State University. There are a total of 10,161 connections between Morehead Utility Plant Board and Rowan Water, Inc. Morehead State University serves the population on campus.

BATH COUNTY PLANNING UNIT NEEDS

Primary Need: Repair and Replace Existing Infrastructure

Secondary Need: Meet Regulatory Requirements

The Bath County Planning unit consists of three water utilities: Bath County Water District, Owingsville Water and Sewer, and Sharpsburg Water District. Each utility was given the opportunity to identify their primary and secondary needs. Bath County Planning Unit's primary need is Repair/Replace Existing Infrastructure with the secondary need being Meet Regulatory Requirements.

Repair/Replace Existing Infrastructure was identified as a primary or secondary need by all three utilities. Several projects corresponding to the primary need for the planning unit include; Sharpsburg Water District's AC Line Replacement Project (WX21011020), Bath County Water District's Route 36 Line Replacement Project (WX21011034), and Bath County Water District's Scattered Site Improvement Project, which proposes to upgrade waterlines on Reeves Lane and Vance Road (WX21011027).

The secondary need for the Bath County Planning Unit is Meet Regulatory Requirements. Keeping chlorine levels at the appropriate levels are a top priority for the utilities in the planning unit. Education, trainings, and staying informed on current and upcoming regulation changes will help the utilities keep total trihalomethane and haloacetic acid levels low.

MENIFEE COUNTY PLANNING UNIT NEEDS

Primary Need: Repair and Replace Existing Infrastructure

Secondary Need: Improve Security Risks

The Menifee County Planning Unit contains two water utilities: City of Frenchburg Water and Sewer and Cave Run Water Commission. Cave Run Water Commission has three wholesale customers, City of Frenchburg Water and Sewer, Jeffersonville Water System, and Morgan County Water District. They have no residential customers. Both utilities in the planning unit were asked to provide their primary and secondary Drinking Water needs.

The primary need for the Menifee County Planning Unit is Repair/Replace Existing Infrastructure as identified by Cave Run Water Commission. The main waterline, which runs alongside State Route 1693, has recurring line breaks. This main line supplies water to three utilities, and will be a primary need for the planning unit in the future.

Each water utility identified Improve Security Risks as the secondary need for the Menifee County Planning Unit. The installation of cameras and alarms at pump stations, water storage tanks, maintenance buildings, and the water treatment plant will enhance security awareness and response

time in the event of a terroristic attack. Improving security risks will be a part of the planning unit's long-term need.

MONTGOMERY COUNTY PLANNING UNIT NEEDS

Primary Need: Repair and Replace Existing Infrastructure

Secondary Need: Meet Regulatory Requirements

The Montgomery County Planning Unit includes six water utilities: Jeffersonville Water System, Judy Water Association, Levee Road Water Association, Montgomery County Water District #1, Mount Sterling Water and Sewer, and Reid Village Water District. Each utility was given the opportunity to identify their primary and secondary Drinking Water needs. The primary need in the Montgomery County Planning Unit is Repair/Replace Existing Infrastructure, as identified by the majority of the utilities. The secondary need for the planning unit is Meet Regulatory Requirements.

Nearly all utilities within the planning unit have at least one project corresponding to the primary planning unit need, Repair/Replace Existing Infrastructure. Jeffersonville Water System's Highway 1050 Line Replacement Project will increase water pressure to approximately 700 connections (WX21173048). Judy Water Association has a proposed project to clean and inspect the utility's four water storage tanks (WX21173121). A Fence Replacement Project, profiled by Levee Road Water Association, will increase security for the system's water supply (WX21173138). The Whitaker Lane Vault Valve Replacement Project will replace a pressure reducing valve, vault, and gate valve for Montgomery County Water District #1. The project will help the utility maintain consistent pressure throughout the distribution system (WX21173044). Mount Sterling Water and Sewer's Main Street Water Main Replacement project will replace an existing cast iron line constructed in 1901 with ductile iron. The project will also replace 16 hydrants.

The secondary need for the Montgomery County Planning Unit is Meet Regulatory Requirements. The issue of meeting regulatory requirements is an area of concern for Mount Sterling Water and Sewer as well as their wholesale purchasers. The cost of meeting new regulatory requirements, such as increased testing requirements and stricter test limit parameters, are issues that must be dealt with on both a financial and utility regulation level. As the regional water provider for Montgomery County, Mount Sterling's concerns will be shared by all of their wholesale customers. By replacing the filter media in the existing 4 rapid sand filters and repairing drains, if necessary at the Water Treatment Plant, as outlined in Mount Sterling Water and Sewer's proposed project, will aid in meeting regulatory requirements (WX21173042). The filters assist in reducing turbidity, total trihalomethanes, and haloacetic acids. There are also four proposed flush valve projects throughout the planning unit that help keep total trihalomethane and haloacetic acid levels low.

MORGAN COUNTY PLANNING UNIT NEEDS

Primary Need: Repair and Replace Existing Infrastructure

Secondary Need: Increase Storage Capacity

The Morgan County Planning Unit is comprised of two public water utilities: West Liberty Water Works and Morgan County Water District. Both utilities were asked to identify their primary and secondary Drinking Water needs. The primary need within the Morgan County Planning Unit is Repair/Replace Existing Infrastructure as identified by West Liberty Water Works, a water supplier of Morgan County Water District. The secondary need for the planning unit is Increase Storage Capacity identified by Morgan County Water District.

Several existing projects within the Morgan County Planning Unit are directly and indirectly associated to Repair/Replace Existing Infrastructure, the planning unit's primary need. This includes two projects from West Liberty Water Works; Broadway Line Replacement Project (WX21175030) and the McClain Way Increase Pressure Project (WX21175009). Morgan County Water District also has a System Improvement Project (WX21175025), which proposes to purchase equipment and parts inventory to maintain the distribution system.

Morgan County Planning Unit's secondary Drinking Water need, Increase Storage Capacity, was identified by Morgan County Water District. The water district has a proposed Phase 14 Waterline Extension Project, which will construct a new 300,000-gallon, storage tank (WX21175035). Additional water storage will increase water pressure so that the utility can add new customers where existing waterlines are already in place.

ROWAN COUNTY PLANNING UNIT NEEDS

Primary Need: Increase Storage Capacity

Secondary Need: Repair and Replace Existing Infrastructure

The Rowan County Planning Unit encompasses three water utilities: Morehead Utility Plant Board, Morehead State University, and Rowan Water Incorporated. Morehead State University was not surveyed for the needs assessment since historically no state legislative line items were available to the utility. The two remaining utilities were given an opportunity to identify their primary and secondary Drinking Water needs. The primary need for the Rowan County Planning Unit is to Increase Storage Capacity. The secondary need for the planning unit is to Repair/Replace Existing Infrastructure.

Rowan County has proposed projects that validate the primary need of Increase Storage Capacity. Morehead Utility Plant Board has a proposed project that will construct a new 500,000-gallon water storage tank located at the water treatment plant (WX21205039). Rowan Water Incorporated has a proposed project that will construct a new 250,000-gallon water storage tank near the Rowan County Senior High School to better serve the area (WX21205044).

The secondary Drinking Water need for the Rowan County Planning Unit is Repair/Replace Existing Infrastructure. Morehead Utility Plant Board has two projects that propose to repair/replace existing infrastructure, 801 South Waterline Rehab project (WX21205035) and the Sun Street Waterline Rehab project (WX21205034).