



# Drinking Water Project Profile

Legal Applicant: <b>City of Frenchburg</b>	
Project Title: <b>Suddith Pump Station - Generator Project</b>	
Project Number: <b>WX21165030</b> <a href="#">View Map</a>	Submitted By: <b>GWADD</b>
Funding Status: <b>Over Funded</b>	Primary County: <b>Menifee</b>
Project Status: <b>Approved</b>	Planning Unit: <b>Menifee</b>
Project Schedule: <b>0-2 Years</b>	Multi-County: <b>No</b>
E-Clearinghouse SAI: <b>KY202308141329</b>	ECH Status: <b>Approved</b>
Applicant Entity Type: <b>Incorporated City</b>	ADD WMC Contact: <b>Benjamin Hamm</b>
Date Approved (AWMPC): <b>11-29-2022</b>	

## Project Description:

The City of Frenchburg proposes to install an emergency generator at the Frenchburg Water District pump station located along KY-36 in the Suddith area near the Bath County Line. The emergency generator will provide for uninterrupted power to the pump station resulting in continued potable water service to those served directly and indirectly by Frenchburg Water District.

The proposed generators will provide mitigation for loss of power hazards associated primarily with winter storm events. However, power loss events are not constrained only to winter storms, other hazards to be mitigated by the installation of the emergency generators include but are not limited to summer wind/rain events, flooding events, automobile accidents each of which can result in loss of power to a particular pump.

The project location previously had a generator on-site. So the incidence of new ground disturbance will be minimal or none. No fill or borrow will be required for the project.

## Need for Project:

*Briefly describe how this project promotes public health or achieves and/or maintains compliance with the Clean Water Act or Safe Drinking Water Act:*

The ability to provide continuous power to the potable water delivery infrastructure permits Frenchburg Water to provide uninterrupted emergency drinking water service to its all of the over 21,000 citizens that comprise its directly and indirectly serviceable populations. The level of protection provided by the project is 100% prevention/mitigation for the intended hazard. The broad hazard of power outages at the pump station caused by any type of event is fully mitigated by the proposed project.

## Project Alternatives:

### Alternate A:

**No Action:** The no action alternative is the first option available. The costs of the project would be preserved as would the risks that are in need of mitigation. This lack of mitigation for the risks is the primary reason for not selecting this alternative.

### Alternate B:

**Portable Generator:** The second potential alternative is a portable generator to be delivered during times of power outages by Frenchburg Water employees. This alternative would achieve a less comprehensive level of mitigation to the risk of power outage. Delays associated with delivery and setup of the portable generator during severe weather or other power outage events is significant. Therefore, the primary reason this alternative was not chosen was the remainder of unmitigated risk due to logistical i

## Legal Applicant:

Entity Type: <b>Incorporated City</b>	PSC Group ID: <b>8808800</b>
Entity Name: <b>City of Frenchburg</b>	
Web URL:	
Office EMail: <b>fburg@mrtc.com</b>	
Office Phone: <b>606-768-3457</b>	Toll Free: <b>606-768-6277</b>

Mail Address Line 1: <b>PO Box 113 28-B Bible Camp Lane</b>	Phys Address Line 1:
Mail Address Line 2:	Phys Address Line 2:
Mail City, State Zip: <b>Frenchburg, KY 40322</b>	Phys City, State Zip:

Contact: <b>Brandi Gross</b>	Financial Contact:	Auth Official: <b>Edward Bryant</b>
Contact Title: <b>City Clerk</b>	Financial Contact Title:	Auth Official Title: <b>Mayor</b>
Contact EMail: <b>fburg@mrtc.com</b>	Financial Contact EMail:	Auth Official EMail: <b>mayor@mrtc.com</b>
Contact Phone: <b>606-768-3457</b>	Financial Contact Phone:	Auth Official Phone: <b>606-768-3457</b>

Data Source: [Kentucky Department for Local Government](#)

Date Last Modified: 01.25.2024



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## Project Administrator (PA) Information

Name: **Ben Hamm**  
Title: **Associate Director of Economic Development**  
Organization: **Gateway Area Development District**  
Address Line 1: **110 Lake Park Dr**  
Address Line 2:  
City: **Morehead** State: **KY** Zip: **40351**  
Phone: **606-780-0090** Fax:

## Applicant Contact (AC) Information

Name: **Edward Bryant**  
Title: **Mayor**  
Organization: **City of Frenchburg**  
Address Line 1: **PO Box 113**  
Address Line 2:  
City: **Frenchburg** State: **KY** Zip: **40322**  
Phone: **606-768-3457** Fax:

## Project Engineer (PE) Information:

- This project requires a licensed Professional Engineer.
- A Professional Engineer has been procured for this project.

### Project Engineer Information:

License No: **PE 24022**  
PE Name: **James C. Thompson**  
Phone: **859-251-4127** Fax: **859-251-4137**  
E-Mail: **jthompson@kyengr.com**  
Firm Name: **Kentucky Engineering Group PLLC**  
Addr Line 1: **Kentucky Engineering Group PLLC**  
Addr Line 2: **101 High Street**  
Addr Line 3:  
City: **Versailles** State: **KY** Zip: **40383**  
Status: **Current** Disciplinary Actions: **NO**  
Issued: **01-05-2005** Expires: **06-30-2024**

### Engineering Firm Information:

Permit No: **2889**  
Firm Name: **Kentucky Engineering Group PLLC**  
Phone: **859-251-4127** Fax: **859-251-4127**  
Web URL: **http://www.kyengr.com/**  
E-Mail: **jthompson@kyengr.com**  
Addr Line 1: **101 High Street**  
Addr Line 2:  
City: **Versailles** State: **KY** Zip: **40383**  
Status: **Current** Disciplinary Actions: **NO**  
Issued: **02-19-2009** Expires: **12-31-2024**

## Estimated Budget

### Project Cost Categories:

Cost Category	Cost
Administrative Expenses:	\$ 1,475
Legal Expenses:	
Land, Appraisals, Easements:	
Relocation Expenses & Repayments:	
Planning:	
Engineering Fees - Design:	
Engineering Fees - Construction:	\$ 2,500
Engineering Fees - Inspection:	
Engineering Fees - Other:	
Construction:	
Equipment:	\$ 29,500
Miscellaneous:	
Contingencies:	\$ 2,900
<b>Total Project Cost:</b>	<b>\$ 36,375</b>

### Construction Cost Categories:

Cost Category	Cost
Treatment:	
Transmission & Distribution:	
Lead Remediation:	
Source:	
Storage:	
Purchase of Systems:	
Restructuring:	
Land Acquisition:	
Non-Categorized:	
<b>Total Construction Cost:</b>	<b>\$ 0</b>
<b>Total Sustainable Infrastructure Costs:</b>	

Note: Total Sustainability Infrastructure Costs are included within construction and other costs reported in this section. This breakout is provided for SRF review purposes.

## Project Funding Sources:

Total Project Cost: **\$ 36,375**  
Total Committed Funding: **\$ 46,550**  
Funding Gap: **(\$ 10,175)**

- This project will be requesting SRF funding for fiscal year 2025.

## Estimated Project Schedule:

Est. Environmental Review Submittal Date: **10-01-2023**  
Estimated Bid Date: **01-01-2024**  
Estimated Construction Start Date: **02-01-2024**  
Estimated Construction Completion Date: **05-01-2024**



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Funding Source	Loan or Grant ID	Fiscal Year	Amount	Status	Applicable Date
22HB001 Cleaner Water Program (FY 2023)	22CWW150	2023	\$ 20,000	Committed	11-19-2022
FEMA	4592-0004-R	2023	\$ 26,550	Committed	09-14-2022
<b>Total Comitted Funding:</b>			<b>\$ 46,550</b>		

### Funding Source Notes:

A meeting was held on September 23, 2022 with all utilities and elected officials within Menifee County. An agreement was reached and signed allocating \$20,000.00 CWG Round 2 funds to City of Frenchburg for completion of this project.

### The following systems are beneficiaries of this project:

- ✓ **KY0830148 City of Frenchburg**
- KY0060022 Bath County Water District**
- KY1190061 Campton Water System**

Note: Check mark indicates primary system for this project.

### Project Ranking by AWWPC:

Regional Ranking(s): **GWADD 5**

Planning Unit Ranking: **1**

Total Points: **105**

- Plans and specs have been sent to DOW.
- Plans and specs have been reviewed by DOW.
- Plans and specs have been sent to PSC.
- Plans and specs have been reviewed by PSC.

### Economic, Demographic and Geographic Impacts

Economic Impacts	
Jobs Created:	
Jobs Retained:	

*Demographic Impacts (GIS Census Overlay)			
Servceable Demographic	Project Area	Included Systems	Included Utilities
Population:		5,230	5,230
Households:		2,976	2,976
MHI:		\$42,713	*\$42,713
MHI MOE		\$11,022	*\$11,022
MOE as Pct:		26.0%	26.0%
**NSRL:		2	2

Population and household counts are based on 2010 census block values from the SF1 (100%) dataset.

MHI Source is from the American Community Survey 2017-2021 5 Yr Estimates (Table B19013 \*(for the primary system operated by the above listed beneficiary utilities).

MHI MOE = Med HH Income Margin of Error.

\*\* NSRL (Non-Standard Rate Levels):

- 0 = Income above Kentucky MHI (KMHI).
- 1 = Income between 80% KMHI and KMHI.
- 2 = Income less than or equal to 80% KMHI.
- KMHI = \$55,454
- 80% KHMI = \$44,363

New Customers	
New Residential Customers:	
New Commercial Customers:	
New Institutional Customers:	
New Industrial Customers:	

Geographic Impacts For Project Area	
<b>Counties</b>	
Menifee	
<b>Legislative Districts</b>	
<b>District Name</b>	<b>Legislator</b>
House 074	David Hale
Senate 28	Greg Elkins
Congressional 5	Hal Rogers
<b>Groundwater Sensitivity Zones</b>	
<b>HUC 10 Watersheds</b>	
<b>HUC Code</b>	<b>Watershed Name</b>
0510010108	Fox Creek-Licking River

Geographic Impacts For Included System(s)	
<b>Counties</b>	
Bath	
Breathitt	
Lee	
Menifee	
Montgomery	
Morgan	
Powell	
Rowan	
Wolfe	
<b>Legislative Districts</b>	
<b>District Name</b>	<b>Legislator</b>
House 074	David Hale
House 084	Chris Fugate
House 089	Timmy Truett
House 091	Bill Wesley
House 099	Richard White
Senate 27	Stephen West
Senate 28	Greg Elkins
Senate 30	Brandon Smith
Congressional 5	Hal Rogers
Congressional 6	Andy Barr



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New or Improved Service		
Service Demographic	Survey Based	Census Overlay*
To Unserved Households:		
To Underserved Households:	5,230	
To Total Households:	5,230	
** Cost Per Household:	\$7	

\* GIS Census block overlay figures are estimates of population and households potentially served by systems and projects based on a proximity analysis of relevant service lines to census block boundaries.

\*\* Cost per household is based on surveyed household counts, not GIS overlay values.

## DW Specific Impacts

- This project relates to a public health emergency.
- This project will assist a non-compliant system to achieve compliance.
- This project will assist a compliant system to meet future requirements.
- This project will provide assistance not compliance related.
- This project is necessary to achieve full or partial compliance with a court order, agreed order, or a judicial or administrative consent decree.
- Primary system has not received any SDWA Notices of Violation within the previous state fiscal year-July through June, i.e. July 2014 – June 2015).
- Primary system has had an action level exceedance (lead concentrations exceed an action level of 15 ppb in more than 10% of customer taps sampled) within the last compliance period.
- Primary system has received a lead trigger level exceedance (lead concentrations exceed a trigger level of 10 ppb in more than 10% of customer taps sampled) within the last compliance period.

## Project Readiness - Lead Inventory and Lead Service Line Replacement:

### Lead Service Line Inventory:

- A description of goals to be achieved and products to be created (e.g., electronic or GIS database; customer communication tools) when creating a lead service line inventory procedure, including a proposed timeline for achieving each goal.

### Lead Service Line Replacement:

- A strategy for informing customers before a LSLR and a template for an agreement with the private property owner to replace the LSL.
- A process for documenting all property owners declining replacement of privately owned portion of LSL.
- A procedure for customers to flush service lines and premise plumbing of particulate lead.
- A proposed plan for conducting LSL replacement utilizing all requested funding.
- A funding strategy for conducting LSLRs utilizing all requested funding.

## Project Components - Mapped Point Features

DOW Permit ID	Count	FeatureType	Purpose	Status	Existing Capacity	Proposed Capacity	Units
KY0830148	1	GENERATOR	GENERATOR - DISTRIBUTION SYSTEM	NEW			EA

## Administrative Components:

- Planning
- Design
- Construction
- Management

## Audits on Record Associated With Applicant

Audit Year	Entity Name	Entity Relationship
2021	Frenchburg, City of	Parent
2020	Frenchburg, City of	Parent



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## **Regionalization Components and Eliminated Systems/Plants:**

### **Public Water Systems Eliminated:**

- This project includes the elimination of public water system(s) through merger or acquisition.

### **Water Treatment Plants Eliminated:**

- This project includes the elimination of water treatment plant(s).

### **Supplementation of Raw Water Supply:**

- This project includes supplementing the existing raw water supply.

### **Supplementation of Potable Water Supply:**

- This project includes supplementing the existing potable water supply.

### **Supplementation of Emergency Water Supply:**

- This project includes supplementing the existing emergency water supply.
- 

## **Water Source Protection**

- This project will preventatively address PFAS or other emerging contaminants of the source water.
- This project will address current PFAS or other emerging contaminants of the source water.
- This project rehabilitates a water source dam or reservoir.
- This project includes land acquisition for water source protection.
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## **Water Treatment Components**

- This project includes water treatment components.
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## **Water Distribution and Storage Components:**

- This project includes water distribution and/or storage components.



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### Water Line Extensions:

- This project includes water line extension(s).
- This projects extends service to unserved rural areas.

### Redundancy Components:

- This project includes emergency power generators for distribution and/or storage activities.

Total number of units provided: **1**

- This project includes redundant distribution and/or storage processes.

### Finished Water Quality:

- This project includes infrastructure to address inadequate water turnover and disinfection byproducts (DBPs).

### Service Line Inventory:

- This project includes implementation of a service line inventory.
  - Incorporates GIS procedures or methods to record the service line inventory.
  - Service line inventory replacement will be integrated into asset management planning.

### Water Line Replacement:

- This project replaces problem water lines (breaks, leaks, or restrictive flows due to age), water lines consisting of lead and/or asbestos-cement (AC), and/or inadequately sized water lines.
- In-line or in-situ repair medhods will be used in lieu of water line replacement.

Total length of in-place or in-line repair (LF): **-**

- This project replaces lead service lines.

### Water Loss in the past 12 Months:

The system has experienced the following water loss over the past 12 months:

Water Loss Volume (MG): **22.067**  
 Water Loss Percent (%): **13.000**

### Water Storage and Pressure Components:

- This project includes the construction of new water tank(s).
- This project includes the replacement of existing water tank(s).
- This project includes the rehabilitation of existing water tank(s).
- This project includes the construction of new pump station(s).
- This project includes the rehabilitation of existing pump station(s).

### Security:

- This project includes security components for water distribution infrastructure.

### **Sustainable Infrastructure - Green Infrastructure:**

*Green stormwater infrastructure includes a wide array of practices at multiple scales that manage wet weather and that maintains and restores natural hydrology by infiltrating, evapotranspiring and harvesting and using stormwater. On a regional scale, green infrastructure is the preservation and restoration of natural landscape features, such as forests, floodplains, and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale, green infrastructure consists of site and neighborhood-specific practices, such as:*

Component	Cost
<input type="checkbox"/> Bioretention	<b>\$0</b>
<input type="checkbox"/> Trees	<b>\$0</b>
<input type="checkbox"/> Green Roofs	<b>\$0</b>
<input type="checkbox"/> Permeable Pavement	<b>\$0</b>
<input type="checkbox"/> Cisterns	<b>\$0</b>
<b>Total Green Infrastructure Cost:</b>	
	<b>\$0</b>

***There are no Green Infrastructure components specified for this project.***



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## Sustainable Infrastructure - Water Efficiency:

The use of improved technologies and practices to deliver equal or better services with less water. Water efficiency encompasses conservation and reuse efforts, as well as water loss reduction and prevention, to protect water resources for the future. Examples include:

Component	Cost
<input type="checkbox"/> Installing or retrofitting water efficient devices such as plumbing fixtures and appliances (toilets, showerheads, urinals).	\$0
<input type="checkbox"/> Installing any type of water meter in previously unmetered areas (can include backflow prevention if in conjunction with meter replacement).	\$0
<input type="checkbox"/> Replacing existing broken/malfunctioning water meters with AMR or smart meters, meters with leak detection, backflow prevention.	\$0
<input type="checkbox"/> Retrofitting/adding AMR capabilities or leak equipment to existing meters.	\$0
<input type="checkbox"/> Conducting water utility audits, leak detection studies, and water use efficiency baseline studies, which are reasonably expected to result in a capital project or in a reduction in demand to alleviate the need for additional capital investment.	\$0
<input type="checkbox"/> Developing conservation plans/programs reasonable expected to result in a water conserving capital project or in a reduction in demand to alleviate the need for capital investment.	\$0
<input type="checkbox"/> Recycling and water reuse projects that replace potable sources with non-potable sources (Gray water, condensate, and wastewater effluent reuse systems, extra treatment or distribution costs associated with water reuse).	\$0
<input type="checkbox"/> Retrofit or replacement of existing landscape irrigation systems to more efficient landscape irrigation systems.	\$0
<input type="checkbox"/> Water meter replacement with traditional water meters.*	\$0
<input type="checkbox"/> Distribution pipe replacement or rehabilitation to reduce water loss and prevent water main breaks.*	\$0
<input type="checkbox"/> Storage tank replacement/rehabilitation to reduce water loss.*	\$0
<input type="checkbox"/> New water efficient landscape irrigation system, where there currently is not one.*	\$0
<b>Total Water Efficiency Cost:</b>	<b>\$0</b>

\* Indicates a business case may be required for this item.

**There are no Water Efficiency components specified for this project.**

## Sustainable Infrastructure - Energy Efficiency:

Energy efficiency is the use of improved technologies and practices to reduce the energy consumption of water projects, use energy in a more efficient way, and/or produce/utilize renewable energy. Examples include:

Component	Cost
<input type="checkbox"/> Renewable energy projects, which are part of a public health project, such as wind, solar, geothermal, and micro-hydroelectric that provides power to a utility.	\$0
<input type="checkbox"/> Utility-owned or publicly-owned renewable energy projects.	\$0
<input type="checkbox"/> Utility energy management planning, including energy assessments, energy audits, optimization studies, and sub-metering of individual processes to determine high energy use areas.	\$0
<input type="checkbox"/> Energy efficient retrofits, upgrades, or new pumping systems and treatment processes (including variable frequency drives (VFDs)).*	\$0
<input type="checkbox"/> Pump refurbishment to optimize pump efficiency.*	\$0
<input type="checkbox"/> Projects that result from an energy efficient related assessment.*	\$0
<input type="checkbox"/> Projects that cost effectively eliminate pumps or pumping stations.*	\$0
<input type="checkbox"/> Projects that achieve the remaining increments of energy efficiency in a system that is already very efficient.*	\$0
<input type="checkbox"/> Upgrade of lighting to energy efficient sources.*	\$0
<input type="checkbox"/> Automated and remote control systems (SCADA) that achieve substantial energy savings.*	\$0
<b>Total Energy Efficiency Cost:</b>	<b>\$0</b>

\* Indicates a business case may be required for this item.

**There are no Energy Efficiency components specified for this project.**



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## Sustainable Infrastructure - Environmentally Innovative:

Environmentally innovative projects include those that demonstrate new and/or innovative approaches to delivering services or managing water resources in a more sustainable way. Examples include:

Component	Cost
<input type="checkbox"/> Total integrated water resources management planning, or other planning framework where project life cycle costs are minimized, which enables communities to adopt more efficient and cost-effective infrastructure solutions.	\$0
<input type="checkbox"/> Plans to improve water quantity and quality associated with water system technical, financial, and managerial capacity.	\$0
<input type="checkbox"/> Source water protection planning (delineation, monitoring, modeling).	\$0
<input type="checkbox"/> Planning activities to prepare for adaptation to the long-term effects of climate change and/or extreme weather.	\$0
<input type="checkbox"/> Utility sustainability plan consistent with EPA's sustainability policy.	\$0
<input type="checkbox"/> Greenhouse gas inventory or mitigation plan and submission of a GHG inventory to a registry as long as it is being done for an SRF eligible facility.	\$0
<input type="checkbox"/> Construction of US Building Council LEED certified buildings, or renovation of an existing building.	\$0
<input type="checkbox"/> Projects that significantly reduce or eliminate the use of chemicals in water treatment.*	\$0
<input type="checkbox"/> Treatment technologies or approaches that significantly reduce the volume of residuals, minimize the generation of residuals, or lower the amount of chemicals in the residuals.*	\$0
<input type="checkbox"/> Trenchless or low impact construction technology.*	\$0
<input type="checkbox"/> Using recycled materials or re-using materials on-site.*	\$0
<input type="checkbox"/> Educational activities and demonstration projects for water or energy efficiency (such as rain gardens).*	\$0
<input type="checkbox"/> Projects that achieve the goals/objectives of utility asset management plans.*	\$0
<b>Total Environmentally Innovative Cost:</b>	<b>\$0</b>

\* Indicates a business case may be required for this item.

**There are no Environmentally Innovative components specified for this project.**

## Sustainable Infrastructure - Asset Management:

If a category is selected, the applicant must provide proof to substantiate claims. The documents must be submitted to Anshu Singh (Anshu.Singh@ky.gov) for CW projects

### Component

Last Rate Adjustment Date: **02-01-2022** [Download Fee Schedule](#)

Rate Adjustment Age: **23 months**

System's monthly water bill, based on 4,000 gallons, as a percentage of MHI: **0.87%**

- The system(s) has an Asset Management Plan (AMP).
- The system(s) involved in this project have specifically allocated funds for the rehabilitation and replacement of aging and deteriorating infrastructure.

**Project Status:** Approved

Date Approved: 11-29-2022

Date Revised: