Drinking Water Project Profile Pre-Application

Water Resource Information System

Mapping Requirements
DWSRF Ranking Criteria

* Project Title: Lead Water Main and Service Line Replacement

☐ This project is a REVISION of a previous submitted Project Profile

Previously assigned WX #:

NARRATIVE [TAB]

* Legal Applicant: City of Scottsville

* Project Schedule: 0 - 2 Years

* Primary County: Allen

* Project Description

This project includes replacing approximately 500 lead service lines both on the public and private sides of the meter that are identified in the Lead Service Line Inventory and replacing approximately 45,000 linear feet of 2", 4", 6" and 12" water mains with PVC that have potential lead components, such as joints, due to the age of the mains. The water mains and service lines will be located in the City's downtown area between Bowling Green Road, E. Locust Street, N. 7th Street and E. Poplar Street, which contains the oldest water system infrastructure.

* Need for the Project

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

To replace lead water mains and service lines in the City's water distribution system per EPA mandate to reduce the potential for lead contamination in the water system.

Project Alternatives

Note: If project includes the construction of a new treatment plant or upgrade to existing plant, please explain regionalization options here.

* Alternative A

Do nothing.

* Alternative B

Replace lead water and service lines when they break.

Drinking Water Project Profile Pre-Application

Mapping Requirements
DWSRF Ranking Criteria

* Project Title: Lead Water Main and Service Line Replacement

☐ This project is a REVISION of a previous submitted Project Profile.

Previously assigned WX #:

APPLICANT [TAB]

* Legal Applicant: City of Scottsville

Business Contact

First Name: Lauren MI: * Last Name: Cherry

Title: City Clerk

* Phone: 270 237 3238 Cell:

EMail: lcherry@cityofscottsville.org

Authorized Official

* First Name: David MI: * Last Name: Burch

Title: Mayor

* Phone: 270 237 3238 Cell:

EMail: david.burch@cityofscottsville.org

ADMINISTRATION [TAB]

Project Administrator

* First Name: MI: * Last Name:

Title:

Organization:

* Phone: Cell:

EMail:

Applicant Contact

* First Name: MI: * Last Name:

Title:

Organization:

* Phone: Cell:

EMail:

Project Engineer

* First Name: Adalyn MI: * Last Name: Haney

* Phone: 502 489 8484 Cell:

* EMail: ahaney@grwinc.com

* License #: 27660 * Firm Name: GRW Engineers, Inc.

Drinking Water Project Profile Pre-Application

Mapping Requirements
DWSRF Ranking Criteria

* Project Title: Lead Water Main and Service Line Replacement

☐ This project is a REVISION of a previous submitted Project Profile.

Previously assigned WX #:

BUDGET AND SCHEDULE [TAB]

◉ Estimated Budget ○ As-Bid Budget

Project Cost Classification

Administrative Expenses: Legal	
Expenses:	
Land, Appraisals, Easements:	
Relocation Expense & Payments:	
Planning:	30000
Engineering Fees - Design:	268000
Engineering Fees - Construction:	67000
Engineering Fees - Inspection:	171000
Engineering Fees - Other:	16000
Construction:	4940000
Equipment:	
Miscellaneous:	
Contingencies:	494000
* **Total Project Cost:**	5986000

Construction Cost Categories

Treatment:	
Transmission and Distribution:	
Lead Remediation:	4940000
Source:	
Storage:	
Purchase of Systems:	
Restructuring:	
Land Acquisition:	
Non-Categorized Cost:	
Total Construction Cost:	4940000

Project Funding Sources (Project Readiness Points Received: 30**)

FUNDING SOURCE	AMOUNT	STATUS	APPLICABLE DATE
KIA SRF Fund F (DW)	5986000	Applied For	11-29-23

Estimated Project Schedule

Estimate Environmental Review Submittal Date: 4/1/2025
(Project Readiness Points Received: 30**)

Estimated Bid Date: 6/1/2025
* Estimated Bid Date required if Funding Source is KIA SRF Fund F Loan (DW)

Estimated Construction Start Date: 8/1/2025
* Estimated Construction Start Date required if Funding Source is KIA SRF Fund F Loan (DW)

Estimated Construction Completion Date: 9/1/2026

Funding Source Notes:

**Project Readiness Points - Must meet all three criteria to receive points: 1) submitted plans to DOW for review, 2) Environmental Review cross cutter scoping process is complete, and 3) funding commitments from other funds or DWSRF is sole source.

Drinking Water Project Profile Pre-Application

Mapping Requirements
DWSRF Ranking Criteria

* Project Title: Lead Water Main and Service Line Replacement

☐ This project is a REVISION of a previous submitted Project Profile.

Previously assigned WX #:

IMPACTS [TAB]

The following systems are beneficiaries of this project

DOW PERMIT ID	SYSTEM NAME
KY00203686	Scottsville Water Department

New Customers

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

New or Improved Service

To Unserved Households: To
Underserved Households:

Economic Impacts

Jobs Created:
Jobs Retained:

VIII. COMPLIANCE AND ENFORCEMENT

☐ This project is necessary to achieve full or partial compliance with a court order, agreed order, or a judicial or administrative consent decree. (Points Received: 5)

Agreed Order Number:

☑ Primary system has not received any SDWA Notices of Violation within the previous state fiscal year (July through June). (Points Received: 2)

☑ 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

IX. LEAD COMPLIANCE

☐ 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. (Points Received: 2)

☐ 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. (Points Received: 2)

X. DISADVANTAGED COMMUNITY FINANCIAL NEED

☐ Borrowers with a median household income (MHI) below 80 percent of the Commonwealth's MHI as determined by the current American Community Survey (ACS) 5-Year Estimate (Points Received: 5)

☐ Borrowers with a MHI between 80 and 100 percent of the Commonwealth's MHI as determined by the current ACS 5-Year Estimate (Points Received: 2)

Drinking Water Project Profile Pre-Application

* Project Title: Lead Water Main and Service Line Replacement

☐ This project is a REVISION of a previous submitted Project Profile.

Previously assigned WX #:

Mapping Requirements
DWSRF Ranking Criteria

COMPONENTS [TAB]

Administrative

☐ Planning
☑ Construction
☑ Design
☑ Management

I. Regionalization

Public Water Systems Eliminated (No PFAS detected - Points Received: 150; PFAS detected - Points Received: 200 - 500*)

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

DOW PERMIT ID	SYSTEM NAME

Water Treatment Plants Eliminated

☐ This project includes the elimination of a water treatment plant as a result of an interconnection (No PFAS detected - Points Received: 150; PFAS detected - Points Received: 200 - 500*)

(GIS) - Must have mapping for proposed point(s) snapped to existing point(s) and set TYPE to WATER TREATMENT PLANT and set STATUS to ELIMINATE and set PURPOSE to INTERCONNECT and set OTHPURPOSE to PFAS Detected

DOW PERMIT ID	SYSTEM NAME / FACILITY NAME

*Points received if PFAS is detected

PFOS or PFOA (ppt or ng/L)	Points	Hazard Index (PFNA, PFHxS, PFBS, HFPO-DA)	Points
>0 - 4	200	>0 - 1	200
4.01 - 8	300	1.1 - 2	300
8.01 - 12	400	2.1 - 3	400
>12	500	>3	500

Source DOW Guidance Document pages 3 - 6

Drinking Water Project Profile Pre-Application

* Project Title: Lead Water Main and Service Line Replacement

☐ This project is a REVISION of a previous submitted Project Profile

Previously assigned WX #:

Mapping Requirements
DWSRF Ranking Criteria

II. Public Health Criteria – Water Supply

Acquisition of a new raw water supply (No PFAS detected - Points Received: 150; PFAS detected - Points Received: 200 - 500*)

☐ This project includes acquisition of a new raw water supply.

(GIS) - Must have mapping for proposed line(s) and set ACTIVITY to EXTENSION - FINISHED WATER INTERCONNECT

DOW PERMIT ID	SYSTEM NAME

Acquisition of a new potable water supply (No PFAS detected - Points Received: 150; PFAS detected - Points Received: 200 - 500*)

☐ This project includes acquisition of a new potable water supply.

(GIS) - Must have mapping for proposed line(s) and set ACTIVITY to EXTENSION - FINISHED WATER INTERCONNECT

DOW PERMIT ID	SYSTEM NAME

☐ 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 includes the rehabilitation of a dam or reservoir used primarily for drinking water. (Points Received 10)

☐ This project includes land acquisition for water source protection.

Acres to be purchased:

Cost per acre:

(GIS) - Must have mapping for proposed point(s) and set TYPE to SOURCE WATER PROTECTION and set PURPOSE to SOURCE WATER PROTECTION - LAND ACQUISITION

Land Use Control:

Drinking Water Project Profile Pre-Application

* Project Title: Lead Water Main and Service Line Replacement

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Previously assigned WX #:

Mapping Requirements
DWSRF Ranking Criteria

III. Public Health Criteria – Treatment

☐ This project includes water treatment components.

☐ This project includes a new water treatment plant

Proposed design capacity (MGD):

(GIS) - Must have mapping for proposed point(s) and set TYPE to WATER TREATMENT PLANT, STATUS to NEW, and set PROPOSED CAPACITY

☐ This project includes replacement of raw water lines. (Points Received: 5)

☐ This project includes redundant processes and/or emergency power generators at the treatment facilities. (Points Received: 2)

Number of units provided:

(GIS) - Must have mapping for proposed point(s) and set TYPE to GENERATOR and set PURPOSE to GENERATOR - WATER TREATMENT PLANT

☐ This project includes rehabilitation of an existing water treatment plant. (Points Received: 10)

(GIS) - Must have mapping for proposed point(s) and set TYPE to WATER TREATMENT PLANT and STATUS to REHAB

☐ This project includes infrastructure options to meet Cryptosporidium removal/inactivation requirements. (Points Received: 25)

Explanation of how Cryptosporidium removal/inactivation will be achieved:

☐ This project includes infrastructure options to meet CT inactivation requirements. (Points Received: 20)

Explanation of how CT inactivation will be achieved:

☐ This project includes treatment modifications to meet the Disinfectants/Disinfection Byproducts Rule at the water treatment plant. (Points Received: 25)

Explanation of how Disinfection treatment modifications will be achieved:

Drinking Water Project Profile Pre-Application

* Project Title: Lead Water Main and Service Line Replacement

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Mapping Requirements
DWSRF Ranking Criteria

III. Public Health Criteria – Treatment (continued)

☐ This project will provide treatment modifications for VOCs, IOCs, SOC, or Radionuclides. (Points Received: 15)

Explanation of how OC/Radionuclides treatment modifications will be achieved:

☐ This project includes treatment modifications to address Secondary Contaminants. (Points Received: 10)

Explanation of how Secondary Contaminants treatment modifications will be achieved:

IV. Public Health Criteria – Distribution

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

☒ This project replaces problem water lines (breaks, leaks, or restrictive flows due to age), water lines consisting of asbestos-cement (AC), and/or inadequately sized water lines. (Points Received: 10 for up to first 1000 LF plus 2 pts for each additional 1000 LF)

Total length of line replacement (LF):

(GIS) - Must have mapping for proposed line(s) and set ACTIVITY to REHAB - REPLACE PROBLEM LINES or REHAB - REPLACE LEAD AND/OR ASBESTOS-CEMENT LINES or REHAB - REPLACE UNDERSIZED LINES

☐ In-place or in-situ repair methods will be used in lieu of water line replacement.
Total length of of in-place or in-situ repair (LF)

(GIS) - Must have mapping for proposed line(s) and set ACTIVITY to REHAB - IN-SITU REPAIR

Roads Serviced by Line Replacement (use separate sheet if necessary) ROAD NAME	LF SERVICED

Drinking Water Project Profile Pre-Application

* Project Title: Lead Water Main and Service Line Replacement

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Previously assigned WX #:

Mapping Requirements
DWSRF Ranking Criteria

IV. Public Health Criteria - Distribution

☐ This project replaces lines to address excessive water loss due to line leaks/ breaks and unaccounted-for water loss.

(GIS) - Must have mapping for proposed line(s) and set PURPOSE to DISTRIBUTION - WATER EFF - LINE WATER LOSS

>16-30% water loss (Points Received 1)
31-45% water loss (Points Received 2)
>45% water loss (Points Received 5)

Twelve months of water loss calculations must be provided to receive points for water loss

Finished Water Quality

☐ This project includes infrastructure to address inadequate water turnover and disinfection byproducts (DBPs). Examples include the installation of a tank mixing system or looping of waterlines to improve service.

Number of loops created:

DBP violations within the last state fiscal year (Points Received: 5)

No DBP violations within the last state fiscal year (Points Received: 2)

Inadequate turnover and DBPs is addressed as follows:

Finished Water - Redundant Equipment (Total Points: 2)

☐ This project includes emergency power generators for the distribution system. (Points Received: 10 each unit)

Number of units provided:

(GIS) - Must have mapping for proposed point(s) and set TYPE to GENERATOR and set PURPOSE to GENERATOR - DISTRIBUTION SYSTEM

☐ This project includes redundant distribution equipment and/or storage activities. (Points Received: 10)

Explain the redundant distribution equipment:

Points for waterline extensions apply only to existing households

Water Line Extentions

☐ This project includes water line extension(s).

Length of extensions (LF):

Number of new connections:

(GIS) - Must have mapping for proposed line(s) and set ACTIVITY to EXTENSION or EXTENSION - FINISHED WATER INTERCONNECT or EXTENSION - RAW WATER INTERCONNECT or EXTENSION - EMERGENCY ONLY INTERCONNECT

2 points per household for first 10 existing homes
plus 2 points for every 10 existing homes

Example: Project A is extending waterline to 55 homes

First 10 homes	20 pts
45 remaining homes (4 x 2 pts = 8)	8 pts
Total	28 pts

Drinking Water Project Profile Pre-Application

* Project Title: Lead Water Main and Service Line Replacement

☐ This project is a REVISION of a previous submitted Project Profile.

Previously assigned WX #:

Mapping Requirements
DWSRF Ranking Criteria

IV. Public Health Criteria - Distribution (continued)

Hydraulics and Storage

☐ This project includes the construction of new water tank(s). (Points Received: 2 each)

Number of new tank(s):

Proposed storage capacity of new tank(s) (GALLONS):

(GIS) - Must have mapping for proposed point(s) and set TYPE to WATER TANK, set STATUS to NEW, and set PROPOSED CAPACITY

Reason for increased storage:

☐ This project includes the replacement of existing water tank(s).

Number of replacement tank(s):

Number of decommissioned tank(s):

Existing storage capacity of tank(s) being decommissioned (GALLONS):

Proposed storage capacity of replacement tank(s) (GALLONS):

(GIS) - Must have mapping for proposed points and set TYPE to WATER TANK, set STATUS to REPLACE - NEW, and set PROPOSED CAPACITY for replacement tank(s); AND set STATUS to REPLACE - DECOMMISSION, and set EXISTING CAPACITY for decommissioned tank(s)

Reason for replacement storage:

☐ This project includes the rehabilitation of existing water tank(s). (Points Received: 2 each)

Number of rehabilitated tanks:

(GIS) - Must have mapping for proposed point(s) and set TYPE to WATER TANK and set STATUS to REHAB

☐ This project includes the construction of new pump station(s). (Points Received: 2 each)

Number of new pump stations:

(GIS) - Must have mapping for proposed point(s) and set TYPE to PUMP STATION and set STATUS to NEW

☐ This project includes new pump stations for boosting pressure.

(GIS) - Must have mapping for proposed point(s) and set TYPE to PUMP STATION, set STATUS to NEW, and set PURPOSE to PUMP - BOOST PRESSURE

☐ This project includes new pump stations for filling water tanks.

(GIS) - Must have mapping for proposed point(s) and set TYPE to PUMP STATION, set STATUS to NEW, and set PURPOSE to PUMP - FILL TANK

☐ This project includes the rehabilitation of existing pump station(s). (Points Received: 2 each)

Number of rehabilitated pump stations:

(GIS) - Must have mapping for proposed point(s) and set TYPE to PUMP STATION and set STATUS to REHAB

Drinking Water Project Profile Pre-Application

* Project Title: Lead Water Main and Service Line Replacement

Mapping Requirements
DWSRF Ranking Criteria

☐ This project is a REVISION of a previous submitted Project Profile.

Previously assigned WX #:

Water Distribution and Storage (continued)

V. SERVICE LINE INVENTORY

Points can be applied in this category for developing a process to inventory service lines, including locating and mapping lead service lines (LSL).

☐ The inventory process can include: (check all that apply): (GIS) - Must have mapping for proposed point. Set TYPE to LSL and PURPOSE to INVENTORY
Place one point at System Main Office location

Inventory Development

Water system is improving or continuing work on service line inventories in digital/electronic format required by the Lead and Copper Rule Revisions** for a service line inventory (Points Received: 200) ** refer to section A. Inventory Development LCRR field list on page 8 of DOW DWSRF Guidance Document

☐ Records review.

☐ Incorporating processes during day-to-day operations.

☐ Establishing clear and effective methods to engage with the customers.

☐ Creating digital/electronic documentation procedures.

☐ Developing water quality sampling procedures.

☐ Incorporating vacuum or hydro-excavation procedures and capabilities.

☐ Implementing statistical analysis methods*.

☐ Creating or instituting emerging technologies and methods*.

☐ Distribution of point-of-use devices to reduce lead during LSL inventory.

* Notify the DOW of use of emerging technologies and statistical analysis methods.

Incorporating GIS to record inventory

☐ Water Systems is using GIS procedures or methods to record the service line inventory (Points Received: 20)

Integrating service line inventory replacement into asset management planning

☐ Points can be applied in this category for water systems that supply documentation detailing how service line inventory replacement will be incorporated into its asset management plan. (Points Received: 20)

Submit verification forms for asset management planning to DOW [PLACE HOLDER HERE]

REPLACEMENT OF LEAD SERVICE LINE AND LEAD COMPONENTS

☒ IThis project replaces lead service lines (Points Received *)
Total number of lead service line replacements: 500

(GIS) - Must have mapping for proposed point(s). Set TYPE to LSL, STATUS to REHAB, and PURPOSE to REPLACEMENT for each location of LSL replacement.

*1 up to 100 LSL and/or lead component replacements:
(Points Received: 200)
101 to 500 LSL and/or component replacements:
(Points Received: 210)
Greater than 500 LSL and/or component replacements:
(Points Received: 220)

☐ One or more homeowners have declined lead service line replacement.

Drinking Water Project Profile Pre-Application

* Project Title: Lead Water Main and Service Line Replacement

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Previously assigned WX #:

Mapping Requirements
DWSRF Ranking Criteria

VII. SECURITY

☐ This project includes security components for water treatment facilities. (Points Received: 2)

Explanation of how Treatment facility security is achieved:

(GIS) - Must have mapping for proposed point(s) and set TYPE to SECURITY and set PURPOSE to SECURITY - WATER TREATMENT PLANT or SECURITY - BOTH WTP & DISTRIBUTION SYSTEM

☐ This project includes security components for water distribution infrastructure. (Points Received: 2)

Explanation of how Distribution infrastructure security is achieved::

(GIS) - Must have mapping for proposed point(s) and set TYPE to SECURITY, and set PURPOSE to SECURITY - DISTRIBUTION SYSTEM or SECURITY - BOTH WTP & DISTRIBUTION SYSTEM

SUSTAINABLE INFRASTRUCTURE [TAB]

Green Infrastructure (Points Received: 10 each / 50 maximum)

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:

☐	Bioretention	Cost:	☐	Gray water use	Cost:
☐	Green Roofs	Cost:	☐	Xeriscape	Cost:
☐	Pervious or Porous Pavement	Cost:	☐	Landscape conversion programs	Cost:
☐	Rainwater harvesting / Cisterns	Cost:	☐	Use of moisture and rain sensing equipment	Cost:

Total Green Infrastructure Costs: 0

If any box(es) above are checked, please describe each below.

Drinking Water Project Profile Pre-Application

* Project Title: Lead Water Main and Service Line Replacement

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Previously assigned WX #:

Mapping Requirements
DWSRF Ranking Criteria

Water Efficiency (Points Received: 1 each / 5 maximum)

EPA's WaterSense program defines water efficiency as 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:

☐ Installing or retrofitting water efficient devices such as plumbing fixtures and appliances (toilets, showerheads, urinals). Cost:

☐ Installing any type of water meter in previously unmetered areas (can include backflow prevention if in conjunction with meter replacement). Cost:

(GIS) - Must have mapping for proposed point(s) and set TYPE to MASTER METER, RADIO METER, or TRADITIONAL METER and set PURPOSE to WATER EFF - UNMETERED AREA

☐ Replacing existing broken/malfunctioning water meters with AMR or smart meters, meters with leak detection, backflow prevention. Cost:

☐ Retrofitting/adding AMR capabilities or leak equipment to existing meters. Cost:

(GIS) - Must have mapping for proposed point(s) and set TYPE to MASTER METER, RADIO METER, or TRADITIONAL METER and set PURPOSE to WATER EFF - AMR CAPABILITIES

☐ 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. Cost:

☐ 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. Cost:

☐ 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). Cost:

☐ Retrofit or replacement of existing landscape irrigation systems to more efficient landscape irrigation systems. Cost:

☐ Water meter replacement with traditional water meters.* Cost:

(GIS) - Must have mapping for proposed point(s) and set TYPE to TRADITIONAL METER and set PURPOSE to WATER EFF - TRADITIONAL METERS

☐ Distribution pipe replacement or rehabilitation to reduce water loss and prevent water main breaks.* Cost:

(GIS) - Must have mapping for proposed line(s) and set ACTIVITY to REHAB - REPLACE LEAD AND/OR ASBESTOS-CEMENT LINES, REHAB - REPLACE PROBLEM LINES, or REHAB - REPLACE UNDERSIZED LINES and set PURPOSE to DISTRIBUTION - WATER EFF - LINE WATER LOSS

☐ Storage tank replacement/rehabilitation to reduce water loss.* Cost:

(GIS) - Must have mapping for proposed point(s) and set TYPE to WATER TANK and set PURPOSE to WATER EFF - TANK WATER LOSS

☐ New water efficient landscape irrigation system, (where there currently is not one.* Cost:

☐ Implementation of incentive programs to conserve water such as rebates Cost:

☐ Installing WaterSense labeled products (https://www.epa.gov/watersense). Cost:

☐ Projects that result from a water efficiency related assessments (such as water audits, leak detection studies, conservation plans, etc.) as long as the assessments adhered to the standard industry practices referenced above. Cost:

Drinking Water Project Profile Pre-Application

* Project Title: Lead Water Main and Service Line Replacement

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Previously assigned WX #:

Mapping Requirements
DWSRF Ranking Criteria

Water Efficiency (continued)

☐	Distribution system leak detection equipment, portable or permanent.	Cost:
☐	Automatic flushing systems (portable or permanent).	Cost:
☐	Pressure reducing valves (PRVs).	Cost:
☐	Internal plant water reuse (such as backwash water recycling).	Cost:

Total Water Efficiency Costs: 0

*Denotes that a Business Case may be Required. If any box(es) above (previous page) are checked, please describe each below.

Energy Efficiency (Points Received: 1 each / 5 maximum)

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:

☐ 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. Cost:

☐ Utility-owned or publicly-owned renewable energy projects. Cost:

☐ Utility energy management planning, including energy assessments, energy audits, optimization studies, and sub-metering of individual processes to determine high energy use areas. Cost:

☐ Energy efficient retrofits, upgrades, or new pumping systems and treatment processes (including variable frequency drives (VFDs).* Cost:

(GIS) - Must have mapping for proposed point(s) and set TYPE to PUMP STATION, WATER PUMP, or WATER TREATMENT PLANT and set PURPOSE to ENERGY EFF - VFD DEVICE

☐ Pump refurbishment to optimize pump efficiency.* Cost:

(GIS) - Must have mapping for proposed point(s) and set TYPE to PUMP STATION, WATER PUMP, or WATER TREATMENT PLANT and set PURPOSE to ENERGY EFF - PUMP EFFICIENCY

☐ Projects that result from an energy efficient related assessment.* Cost:

☐ Projects that cost effectively eliminate pumps or pumping stations.* Cost:

(GIS) - Must have mapping for proposed point(s) and set TYPE to PUMP STATION, WATER PUMP, or WATER TREATMENT PLANT and set PURPOSE to ENERGY EFF - PUMP ELIMINATION

☐ Projects that achieve the remaining increments of energy efficiency in a system that is already very efficient.* Cost:

☐ Upgrade of lighting to energy efficient sources.* Cost:

☐ Automated and remote control systems (SCADA) that achieve substantial energy savings.* Cost:

(GIS) - Must have mapping for proposed point(s) and set TYPE to SCADA, set STATUS to NEW or REHAB, and set PURPOSE to ENERGY EFF - SCADA

Total Energy Efficiency Costs: 0

Drinking Water Project Profile Pre-Application

* Project Title: Lead Water Main and Service Line Replacement

☐ This project is a REVISION of a previous submitted Project Profile.

Previously assigned WX #:

Mapping Requirements
DWSRF Ranking Criteria

Energy Efficiency (continued)

*Denotes that a Business Case may be Required. If any box(es) above (previous page) are checked, please describe each below.

Environmentally Innovative (Points Received: 1 each / 5 maximum)

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:

☐	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.	Cost:
☐	Plans to improve water quantity and quality associated with water system technical, financial, and managerial capacity.	Cost:
☐	Source water protection planning (delineation, monitoring, modeling).	Cost:
☐	Planning activities to prepare for adaptation to the long-term effects of climate change and/or extreme weather.	Cost:
☐	Utility sustainability plan consistent with EPA's sustainability policy.	Cost:
☐	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.	Cost:
☐	Construction of US Building Council LEED certified buildings, or renovation of an existing building.	Cost:
☐	Projects that significantly reduce or eliminate the use of chemicals in water treatment.*	Cost:
☐	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.*	Cost:
☐	Trenchless or low impact construction technology.*	Cost:
☐	Using recycled materials or re-using materials on-site.*	Cost:
☐	Educational activities and demonstration projects for water or energy efficiency (such as rain gardens).*	Cost:
☐	Projects that achieve the goals/objectives of utility asset management plans.*	Cost:

*Denotes that a Business Case may be Required.

Total Environmentally Innovative Costs: 0

If any box(es) above are checked, please describe each below.

Drinking Water Project Profile Pre-Application

* Project Title: Lead Water Main and Service Line Replacement

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Previously assigned WX #:

Mapping Requirements
DWSRF Ranking Criteria

XI. PLANNING

Asset Management

If a category is selected, the applicant must provide proof to substantiate claims. In order to complete this section, the documents must be submitted to the Area Development District Water Management Coordinator.

System has an Asset Management Plan that includes asset inventory, strategic plan and a capital improvement plan.

☐ The AMP includes an Asset Inventory.(Points Received: 2)

☐ The AMP includes a Strategic Plan. (Points Received: 2)

☐ The AMP includes a Capital Improvement Plan (Points Received: 2)

Water Bill as percentage of MHI

System's monthly wastewater bill, based on 4,000 gallons, as a percentage of Median Household Income is

☐ Greater than or equal to 2.0%. (Points Received: 5)

☐ Between 1 and 1.99% (Points Received: 2)

☐ Below 1% (Points Received: 0)

If any box(es) above are checked, please describe each below.

☐ The system(s) involved in this project have specifically allocated funds for the rehabilitation and replacement of aging and deteriorating infrastructure. (Points Received: 5)

If any box(es) above are checked, please describe each below.

System Financial Audits

☑ System has a completed financial audit for each of the last three years (Points Received: 1)

Send audits to the Kentucky Infrastructure Authority via email to ***kia.loanapplications@ky.gov***

Drinking Water Project Profile Pre-Application

* Project Title: Lead Water Main and Service Line Replacement

Water Resource Information System

Mapping Requirements
DWSRF Ranking Criteria

☐ This project is a REVISION of a previous submitted Project Profile.

Previously assigned WX #:

XIII. PROJECT READINESS (Project Readiness Points Received: 10**)

☐ Borrower has submitted complete technical plans to the Division of Water; and,

☐ Borrower has conducted a full environmental review for all components of the project or has completed the cross-cutter scoping process (including eClearinghouse, US Fish and Wildlife Service, National Resources Conservation Service, U. S. Fish and Wildlife, and U. S. Army Corps of Engineers); and,

☐ Borrower has received funding commitments from other funding sources; or the DWSRF is the sole source of funding.

Plans and Specifications

☐ Technical plans and specs have been sent to DOW.

Date:

☐ Technical and specs have been sent to PSC.

Date:

☐ Technical and specs have been reviewed by DOW.

Date:

☐ Technical and specs have been reviewed by PSC.

Date:

**Project Readiness Points - Must meet all three criteria to receive points: 1) submitted plans to DOW for review, 2) Environmental Review cross cutter scoping process is complete, and 3) funding commitments from other funds or DWSRF is sole source.

XIV. LEAD PROJECT READINESS

Points can be applied if the following elements of a LSL inventory or replacement plan are submitted to the DOW or uploaded into the WRIS. Documents must be submitted to the Division of Water in order to receive points in this category.

Lead Service Line Inventory (Points Received: 20)

The following documents must be submitted to the DOW for proposed lead service line inventory projects:

☐ 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 (Points Received: 20)

The following documents must be submitted to the DOW for proposed lead service line replacement projects:

☐ A strategy for informing customers before a LSLR and a template for an agreement with the private property owner to replace the LSL; and,

☐ A process for documenting all property owners declining replacement of privately owned portion of LSL; and,

☐ A procedure for customers to flush service lines and premise plumbing of particulate lead; and,

☐ A proposed plan for conducting LSL replacement utilizing all requested funding; and,

☐ A funding strategy for conducting LSLRs utilizing all requested funding.