Clean Water Project Profile Pre-Application

Mapping Requirements
CWSRF Ranking Criteria

* Project Title:

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

Previously assigned SX #:

NARRATIVE [TAB]

* Legal Applicant:

* Project Schedule:

* Primary County:

* Project Description

* Need for the Project

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

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

* Alternative B

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APPLICANT [TAB]

* Legal Applicant:

Contact

* First Name: MI: * Last Name:

Title:

* Phone: Ext: Fax:

EMail:

Authorized Official

* First Name: MI: * Last Name:

Title:

* Phone: Ext: Fax:

EMail:

ADMINISTRATION {TAB]

Project Administrator

* First Name: MI: * Last Name:

Title:

Organization:

* Phone: Ext: Fax:

EMail:

Applicant Contact

* First Name: MI: * Last Name:

Title:

Organization:

* Phone: Ext: Fax:

EMail:

Project Engineer

* First Name: MI: * Last Name:

* Phone: Ext: Fax:

Title:

EMail:

* License #: * Firm Name:

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BUDGET AND SCHEDULE [TAB]

◉ Estimated Budget ○ As-Bid Budget

Project Cost Classification

Administrative Expenses: Legal	
Expenses:	
Land, Appraisals, Easements:	
Relocation Expense & Payments:	
Planning:	
Engineering Fees - Design:	
Engineering Fees - Construction:	
Engineering Fees - Inspection:	
Engineering Fees - Other:	
Construction:	
Equipment:	
Miscellaneous:	
Contingencies:	
* **Total Project Cost:**	

Construction Cost Categories

WWTP Secondary Portion::	
WWTP Advanced Portion:	
Inflow & Infiltration Correction:	
Major Sewer Rehabilitation:	
Collector Sewers:	
Interceptor Sewers, including Pump Stations:	
Combined Sewer Overflow Correction:	
NPS Urban:	
Non-Categorized Cost:	
Total Construction Cost:	
Total Sustainability Cost:	

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

FUNDING SOURCE	AMOUNT	STATUS	APPLICABLE DATE

Funding Source Notes:

Estimated Project Schedule

Facility Plan Approval Date:

Estimate Environmental Review Submittal Date: (**Project Readiness** Points Received: 30**)

Estimated Bid Date:

* Estimated Bid Date required if Funding Source is KIA SRF Fund A Loan (CW)

Estimated Construction Start Date:

* Estimated Construction Start Date required if Funding Source is KIA SRF Fund A Loan (CW)

Estimated Construction Completion Date:

**Project Readiness Points - The borrower must meet all three criteria to receive points: 1) technical plans submitted to DOW for review, 2) full environmental review conducted or cross-cutter scoping process is complete, and 3) received funding commitments from other funds where applicable

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IMPACTS [TAB]

The following systems are **beneficiaries** of this project

DOW PERMIT ID	SYSTEM NAME

Technical Plans and Specifications (**Project Readiness** Points Received: 30**)

☐ Technical plans and specs have been sent to DOW.
Date:

☐ Technical plans and specs have been sent to PSC.
Date:

☐ Technical plans and specs have been reviewed by DOW.
Date:

☐ Technical plans and specs have been reviewed by PSC.
Date:

**Project Readiness Points - The borrower must meet all three criteria to receive points: 1) technical plans submitted to DOW for review, 2) full environmental review conducted or cross-cutter scoping process is complete, and 3) received funding commitments from other funds where applicable

New Customers

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

New or Improved Service

To Unserved Households:
To Underserved Households:

Economic Impacts

Jobs Created:
Jobs Retained:

CW Specific Impacts

Wastewater Volumes for this project (MGD)

Wastewater Volumes reduced by this project (MGD)

Regionalization (Other CW Specific Impacts)

☐ This project provides regionalization and/or consolidation of wastewater treatment systems. (Points Received: 20)

(GIS) - Must have mapping for proposed point(s) and set TYPE to PACKAGE TREATMENT PLANT or SEWAGE TREATMENT PLANT and set PURPOSE to WWTP - REGIONALIZATION & CONSOLIDATION

☐ This project will eliminate a package treatment plant that is more than 25 years old. (Points Received: 25)

☐ This project will eliminate a package treatment plant that has received notices of violations within the last two state fiscal years. (Points Received: 25)

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: 50)

Agreed Order Number:

☐ Primary system has not received any CWA Notices of Violation with the previous state fiscal year. (July 2022 - June 2023) (Points Received: 25)

Clean Water Project Profile Pre-Application

Mapping Requirements
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* Project Title:

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Previously assigned SX #:

IMPACTS [TAB] (continued)

Project Needs Category

☐ Combined Sewer Overflow (CSO) Correction (Points Received: 40)

(GIS) - Must have mapping for proposed line(s) and set ACTIVITY to REHAB - CSO; and/or have mapping for proposed point(s) and set STATUS to REHAB - CSO

☐ Sanitary Sewer Overflow (SSO) Correction (Points Received: 30)

(GIS) - Must have mapping for proposed line(s) and set ACTIVITY to REHAB - SSO; and/or have mapping for proposed point(s) and set STATUS to REHAB - SSO

☐ Replacement or Rehabilitation of Aging Infrastructure, including correction of moderate infiltration and inflow (i.e., no associated SSO) (Points Received: 50)

(GIS) - Must have mapping for proposed line(s) and set ACTIVITY to REHAB - CIPP LINING, REHAB - CLEANING, REHAB - REPLACE OBSOLETE OR AGING LINES, REHAB - PIPE BURSTING, REHAB - REPLACE PROBLEM LINES, REHAB - SLIP LINING, or REHAB - REPLACE UNDERSIZED LINES; and /or have mapping for proposed point(s) (except SEWAGE TREATMENT PLANT, SCADA, or OTHER) and set STATUS to REHAB

☐ New Treatment Plant (Points Received: 10)

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

☐ New Collector Sewers and Appurtenances (Points Received: 10)

(GIS) - Must have mapping for proposed line(s) and set PURPOSE to COLLECTOR and ACTIVITY to EXTENSION

☐ Decentralized Wastewater Treatment Systems, includes onsite, mound, and/or cluster treatment systems (Points Received: 20)

☐ Upgrade to Advanced Treatment (Points Received: 20)

☐ This Project Addresses Emerging Contaminants (Points Received 100)

☐ Optimization (Rehab/Upgrade/Expansion) of Existing Treatment Plant (Points Received: 50)

(GIS) - Must have mapping for proposed point(s) and set TYPE to SEWAGE TREATMENT PLANT and STATUS to REHAB, STP - UPGRADE, or STP - EXPANSION

☐ New Interceptor Sewers and Appurtenances (Points Received: 10)

(GIS) - Must have mapping for proposed line(s) and set PURPOSE to INTERCEPTOR and ACTIVITY to EXTENSION; and/or TYPE to LIFTSTATION and STATUS to NEW

☐ Stormwater Control (Points Received: 20)

(GIS) - Must have mapping for proposed line(s) and set ACTIVITY to STORMWATER CONTROL; and/or have mapping for proposed point(s) and set TYPE to STORMWATER and STATUS to NEW or REHAB

☐ Non-Point Source (NPS) Pollution Control (Points Received: 20)

☐ Recycled Water Distribution (Points Received: 10)

☐ Planning (Points Received: 10)

☐ Other (please specify below) (Points Received: 10 or 50*)

* If the project is to conduct optimization studies for technology-based limits for nutrients the project will receive 50 points*

Clean Water Project Profile Pre-Application

Mapping Requirements
CWSRF Ranking Criteria

* Project Title:

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Previously assigned SX #:

COMPONENTS [TAB]

Administrative Components

- ☐ Planning
- ☐ Sewer System Evaluation Survey Report
- ☐ Design
- ☐ Construction
- ☐ Management

Wastewater Treatment Plants Eliminated

(GIS) - Must have mapping for proposed point(s) snapped to existing point(s) and set TYPE to SEWAGE TREATMENT PLANT or PACKAGE TREATMENT PLANT and set STATUS to ELIMINATE

☐ This project includes the elimination of wastewater treatment plant(s).

DOW PERMIT ID	FACILITY TYPE	SYSTEM NAME / FACILITY NAME

Sanitary Sewer Components

☐ This project includes a new wastewater treatment plant.

Proposed design capacity (MGD):

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

☐ This project includes an expansion of an existing plant.

Current design capacity (MGD):

Proposed design capacity (MGD):

(GIS) - Must have mapping for proposed point(s) and set TYPE to SEWAGE TREATMENT PLANT, STATUS to STP - EXPANSION, and set EXISTING CAPACITY & PROPOSED CAPACITY

☐ This project includes elimination of existing sewer system components:

Number of failing septic systems eliminated:

Number of septic systems eliminated:

☐ This project includes rehabilitation or replacement of aging infrastructure..

Total length of replaced infrastructure (LF):

(GIS) - Must have mapping for proposed line(s) and set ACTIVITY to REHAB - CIPP LINING, REHAB -CLEANING, REHAB - REPLACE OBSOLETE OR AGING LINES, REHAB - PIPE BURSTING, REHAB - REPLACE PROBLEM LINES, REHAB - SLIP LINING, REHAB - REPLACE UNDERSIZED LINES, REHAB - CSO, or REHAB - SSO; and /or have mapping for proposed point (s) (except SEWAGE TREATMENT PLANT, SCADA, or OTHER) and set STATUS to REHAB.

☐ This project includes rehabilitation of an existing plant.

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

☐ This project includes upgrades to an existing plant.

(GIS) - Must have mapping for proposed point(s) and set TYPE to SEWAGE TREATMENT PLANT and set STATUS to STP - UPGRADE

☐ This project includes new collector sewers.

Total length of new collector sewer (LF):

(GIS) - Must have mapping for proposed line(s) and set PURPOSE to COLLECTOR and ACTIVITY to EXTENSION

☐ This project includes new interceptor sewers.

Total length of new interceptor sewer (LF):

(GIS) - Must have mapping for proposed line(s) and set PURPOSE to INTERCEPTOR and ACTIVITY to EXTENSION

Clean Water Project Profile Pre-Application

Mapping Requirements
CWSRF Ranking Criteria

* Project Title:

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Previously assigned SX #:

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, trees, green roofs, permeable pavements and cisterns.

☐ Implementation of green streets.	Cost:
☐ Wet weather management systems for parking areas.	Cost:
☐ Implementation of comprehensive urban forestry programs.	Cost:
☐ Stormwater harvesting and reuse.	Cost:
☐ Downspout disconnection to remove stormwater from sanitary, combined sewers.	Cost:
☐ Comprehensive retrofit programs designed to keep wet weather discharges out of sewer systems.	Cost:
☐ Establishment or restoration of riparian buffers, floodplains, wetlands or other natural features.	Cost:
☐ Management of wetlands.	Cost:
☐ Purchase of land or easements on land that has a direct benefit to water quality.	Cost:
☐ Fencing to keep livestock out of streams and stream buffers	Cost:
	Total Green Infrastructure Costs:

*Denotes that a Business Case may be Required.

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

Water Efficiency (Points Received: 15 each / no maximum)

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:

☐ 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:
☐ 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:
☐ Developing water audit and conservation plans, which are reasonably expected to result in a capital project.	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:

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

Clean Water Project Profile Pre-Application

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Previously assigned SX #:

Mapping Requirements
CWSRF Ranking Criteria

SUSTAINABLE INFRASTRUCTURE [TAB] (continued)

Water Efficiency (continued)

- ☐ Retrofit or replacement of existing landscape irrigation/agricultural systems to more efficient landscape/agricultural irrigation systems (rain and moisture sensing equipment). Cost:
- ☐ Water meter replacement with traditional water meters.* Cost:
- ☐ Projects that result from a water audit or water conservation plan.* Cost:
- ☐ Storage tank replacement/rehabilitation to reduce water loss.* Cost:
- ☐ New water efficient landscape/agricultural irrigation system, (where there currently is not one)* Cost:

*Denotes that a Business Case may be Required.

Total Water Efficiency Costs:

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

Energy Efficiency (Points Received: 15 each / no 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 such as wind, solar, geothermal, and micro-hydroelectric, and biogas combined heat and power systems (CHP) that provide power to a POTW. Cost:
- ☐ POTW-owned renewable energy projects. Cost:
- ☐ Collection system infiltration/inflow (I/I) detection equipment. Cost:
- ☐ POTW energy management planning, including energy assessments, energy audits, optimization studies, and sub-metering of individual processes to determine high energy use areas. Cost:
- ☐ Projects that achieve a reduction in energy consumption (pumps, motors).* Cost:

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

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

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

- ☐ I/I correction projects that save energy from pumping and reduced treatment costs.* Cost:

(GIS) - Must have mapping for proposed point(s) and set PURPOSE to ENERGY EFF - I & I FLOW REDUCTION

- ☐ I/I correction where excessive groundwater infiltration is contaminating the influent requiring otherwise unnecessary treatment processes.* Cost:

(GIS) - Must have mapping for proposed point(s) and set PURPOSE to ENERGY EFF - I & I CONTAMINATION REDUCTION

- ☐ Replacing old motors with premium energy efficiency motors.* Cost:
- ☐ Upgrade of POTW lighting to energy efficient sources.* Cost:

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Previously assigned SX #:

Mapping Requirements
CWSRF Ranking Criteria

SUSTAINABLE INFRASTRUCTURE [TAB] (continued)

Energy Efficiency (continued)

☐ SCADA systems where substantial energy savings can be demonstrated.* 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

☐ Variable Frequency Drive (VFD) controllers where substantial energy savings can be demonstrated.* Cost:

(GIS) - Must have mapping for proposed point(s) and set PURPOSE to ENERGY EFF - VFD DEVICE

*Denotes that a Business Case may be Required.

Total Energy Efficiency Costs:

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

Environmentally Innovative (Points Received: 10 each / 50 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 likely to result in a capital project. Cost:

☐ Utility sustainability plan consistent with EPA's sustainability policy. Cost:

☐ Greenhouse gas (GHG) 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:

☐ Planning activities by a POTW to prepare for adaptation to the long-term effects of climate change and/or extreme weather. Cost:

☐ Construction of US Building Council LEED certified buildings, or renovation of an existing building on POTW facilities. Cost:

☐ Decentralized wastewater treatment solutions to existing deficient or failing onsite wastewater systems. Cost:

☐ Constructed wetlands projects used for municipal wastewater treatment, polishing, and/or effluent disposal.* Cost:

☐ Projects that result from total/integrated water resource management planning consistent with the decision criteria for environmentally innovative projects and that are CWSRF eligible.* Cost:

☐ Projects that facilitate adaptation of POTWs to climate change identified by a carbon footprint assessment or climate adaptation study.* Cost:

☐ POTW upgrades or retrofits that remove phosphorus for beneficial use, such as biofuel production with algae.* Cost:

☐ Projects that significantly reduce or eliminate the use of chemicals in wastewater treatment.* Cost:

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Mapping Requirements
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SUSTAINABLE INFRASTRUCTURE [TAB] (continued)

Environmentally Innovative (continued)

☐ Treatment technologies that significantly reduce the volume of residuals, generation of residuals, or lower the amount of chemicals in the residuals.* Cost:

☐ Educational activities and demonstration projects for water or energy efficiency.* Cost:

☐ Projects that achieve the goals/objectives of utility asset management plans.* Cost:

☐ Sub-surface land application of effluent and other means for groundwater recharge, such as spray irrigation and overland flow.* Cost:

*Denotes that a Business Case may be Required.

Total Environmentally Innovative Costs:

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

Cyber Security

☐ Points are awarded for the installation of cyber security to protect against the unauthorized use of systems, networks, programs, and devices (Points Received: 5)

Water Quality (GIS) Must have mapped components

Note: GIS mapped components will automatically generate values for these criteria in the **Geographic Impacts for Project Area** table under the Impacts TAB.

☐ Project will allow system to address existing TMDL (Points Received: 10)
Project will allow system to address existing or projected TMDL (Points Received: 30)

☐ Project will allow system to address an approved Watershed Management Plan (Points Received: 10)

☐ Project will make progress towards eliminating identified pollutant sources for waterbodies that appear in the *Integrated Report to Congress on Water Quality in Kentucky* (Points Received: 20 each)

☐ Project will eliminate existing or potential sources of pollution in groundwater sensitivity areas (Points Received: 10 - 15)

☐ Project will eliminate failing on-site septic tanks or straight pipes (Points Received: 15)

☐ Project is located in SWAPP zone or WHPA
(Points Received: 10 for each SWAPP Zone 1 or WHPA Zone 3;
Points Received: 7 for each SWAPP Zone 2 or WHPA Zone 2;
Points Received: 3 for each SWAPP Zone 3 or WHPA Zone 1)

☐ Project will make reasonable progress towards eliminating identified pollutant sources of water quality impairments with an DOW Priority Watershed (Points Received: 30)

☐ Project will have a positive effect on Special Use Waters (Points Received: 10)

☐ Project will have a positive impact on drinking water sources within a 5-mile radius of its location (Points Received: 10)

(Please list drinking water sources impacted by this project.)

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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: 50)

☐ 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: 30)

Planning

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.

Asset Management

☐ Asset Inventory - System has a list of above and below ground assets (Points Received: 20)

☐ Strategic Plan - System, at a minimum, must include a mission statement, level of service goals for the system that are SMART and preventive maintenance program. (Points Received: 20)

☐ Capital Improvement Plan - System has a list of capital projects for the next five (5) years or more. (Points Received: 20)

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% (Points Received 10)

☐ Between 1 and 1.99% (Points Received 5)

☐ Below 1% (Points Received 0)

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***

Allocated Funds

☐ System has specifically allocated funds for the rehabilitation and replacement of aging and deteriorating infrastructure (Points Received: 25)

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