

**NKY Water Management Council
NKADD
22 Spiral Drive, Florence KY
December 3, 2025
1:00 pm to 1:45 pm**

AGENDA

- | | | |
|-------|--|----------|
| I. | Call to Order | Chairman |
| II. | Approval of the Agenda – Action is Requested | Chairman |
| III. | Approval of minutes – Action is Requested | Chairman |
| IV. | Approval of new/modified projects – Action is Requested | Herrmann |
| V. | Approval of Project Rankings – Action is Requested | Herrmann |
| VI. | Approval of Regional Goals & Objectives – Action is Requested | Herrmann |
| VII. | Staff Updates
Project Summary
SRF Projects
Creating New Project Profiles
Site Visits | |
| VIII. | Important Dates
Cleaner Water Program | |
| IX. | Share Out | |
| X. | Next Meetings
Split Locations
February 25 th from 1 pm-2 pm at Grant County Public Library
May 13 th from 1 pm-2 pm at NKADD
October 7 th from 1 pm-2 pm at TBD | |

**NKY Water Management Council
22 Spiral Drive, Florence KY
October 22, 2025
1:00 pm to 2 pm**

MINUTES

Present:

Richard Courtney
Brad Murphy
Theresa Parker
Mark Miller
John Wainwright
Richard Harrison
Robert Franxman
Judge David Fields
Kyle Ryan
Joe Shriver
Willie Harmeling
Judge Chuck Dills
Jeff Eger

Dawn Hughes
Derek Willis
Kaleb Nab
Christian Hutchinson
Don Schierer
Mayor Sabrina Hazen
Justin Hancock
Judge Todd Woodyard
John Howe
Mayor David Henson
Ryan Erickson
Harry Anness

Staff (4):

Grace Hermann
Katie Jo Berkshire Kirkpatrick
Ivy Stites
Avery Adams

Call to Order

The meeting was called to order at 1:01 PM by Chairman Joe Shriver.

Approval of the Agenda

Chairman Joe Shriver presented the October 22, 2025, meeting agenda for approval. Harry Anness made a motion to accept the agenda, with Richard Harris seconding it. The motion carried.

Approval of minutes

Chairman Joe Shriver requested for the approval of the June 4, 2025, meeting minutes. Richard Harris made a motion to accept the agenda, with Harry Anness seconding it. The motion carried.



NORTHERN KENTUCKY AREA DEVELOPMENT DISTRICT

Approval of new/modified projects

Grace Herrmann presented the new, modified, completed, and withdrawn list of projects. Mark Miller motioned to accept the modified list as presented, and John Wainwright seconded the motion. Motion carried.

Staff Updates

- Project Summary – Herrmann reported on the active projects, all the different types of projects in the region, the projects by county, and what projects needs to be funded
- FY 2025 Summary – Herrmann provided a summary of FY 2025 in regard to Project Profile Updates received (new projects, modified projects, under-construction projects, constructed projects, withdrawn projects) as well as FY 2026 Call for SRF projects and funds, and meetings held focused on water.
- KY WWATERS – Herrmann provided an update on the 2 projects submitted into KY WWATERS (Falmouth and Butler)
- SRF – 2026 SRF is open from now to December. The meeting materials include a timeline and checklist for the SRF process.
- Needs Assessment Results – Herrmann presented the results of the needs assessments received from communities.
- Updated Who Does What: Who is Responsible for What – Herrmann provided an updated version with information on the responsibility of NKADD, KIA, and DOW when it comes to water and wastewater adding in the Public Service Commission, Municipalities, and Water Districts.
- GPS Units and Lending Library-Katie Jo Berkshire Kirkpatrick provided a quick reminder of this project and its status

Water Management Plan

Grace Herrmann reviewed the Water Management Plans in KRS.

By-Law Updates

Grace Herrmann presented the updated by-laws. Chairman Joe Shriver suggested to eliminate Section VII Section II regarding Robert's Rules of Order. Chuck Dills motioned to accept the bylaws updates. and Harry Anness seconded the motion. Motion carried.

Important Dates

- The SRF project list will be discussed and passed at the next meeting on December 3, 2025.
- County Meetings Reminders (Late October-Mid-November)
- Clean Water Program Funds (December 2026) - KIA advised to get the money draws submitted by mid-November to avoid any delays or loss of funds

Share Out

Chairman Joe Shriver provided an opportunity for present entities to share any information or updates they may have had. Brad Murphy presented the process of a mutual aid agreement for KY WARN. He will provide information to Grace to distribute to members.

Next Meetings

- Split Locations – Grace Herrmann presented the proposed plan to host two WMC meetings at the NKADD and two WMC meetings in the 5-Southern Counties.
- County Meetings
- December 3rd from 1:00 pm-2:30 pm

Adjournment

The meeting adjourned at 1:28PM.

Projects List Update
October 23, 2025-December 2, 2025

New

Project Number	Project Name	System Name
WX21191026	Galvanized Main Replacement	City of Falmouth
WX21191027	Cast Iron Line Replacement to Kincaid Lake	East Pendleton Water District
WX21191028	Pump Station Replacement	East Pendleton Water District
WX21015036	Rural Water-Phase 3.4	Boone County Fiscal Court
SX21037013	Echo Hills Sanitary Sewer Improvements	Sanitation District #1
SX21191019	Lagoon Liner Replacement and Repairs	City of Falmouth
SX21191020	Wastewater Treatment Plant Camera	City of Falmouth
WX21187006	KY 1316 Water Main Extension	Owen County Fiscal Court
WX21077014	Warsaw Treatment Plant	City of Warsaw
WX21015037	Old Nicholson Road Water Line Replacement	City of Walton
SX21015020	Old Nicholson Road – Brinkman Sewer Force Main Replacement	City of Walton
WX21015038	Walton-Verona Road Water Line Replacement	City of Walton

Modified

Project Number	Project Name	System Name	Modification
SX21117022	Licking River Tunnel Solution	Sanitation District #1	Updated Project Schedule; Updated Mapping, Updated Budget, Updated CW Specific Impacts Section
SX21037011	Newport Festival Park Solution	Sanitation District #1	Updated Budget, Updated Project Schedule, Updated Mapping, Updated

			Project Title, Updated Project Description, Updated CW Specific Impacts Section
SX21037012	Taylor Creek EQ	Sanitation District #1	Updated Project Schedule, Updated CW Specific Impacts Section
WX21015035	South Water Main Connection to NKWD	City of Walton	Updated Estimated Project Schedule; Updated Improved Service, Updated Impacts Page
SX21015011	Mullen Sewage Lift Station Upgrade & Force Main Extension Project	City of Walton	Updated Estimated Project Schedule; Updated Improved Service, Updated Impacts Page, Updated Energy Efficiency Section
SX21015018	WWTP No. 1 Expansion –Plant D	City of Walton	Updated Estimated Project Schedule; Updated Improved Service, Updated Impacts Page
WX21037007	Campbell County Water Line Extension	Pendleton County Water District	Updated Budget, Updated Components Tab, Updated Project Schedule, Updated Project Administrator, Updated Project Applicant Contact
WX21081026	WATER TREATMENT PLANT AND RAW WATER INTAKE PROJECT	City of Williamstown	Updated Budget
SX21117008	Southwest Kenton County – Phase 1	Sanitation District #1	Updated CW Specific Impacts Section
SX21117009	Southwest Kenton County – Phase 2	Sanitation District #1	Updated CW Specific Impacts Section
SX21117010	Southwest Kenton County – Phase 3	Sanitation District #1	Updated CW Specific Impacts Section

SX21117015	Church St EQ and Surrounding Piping	Sanitation District #1	Updated CW Specific Impacts Section
SX21117020	KY17 Corridor Tunnel (North of Lakeview)	Sanitation District #1	Updated Budget, Updated Project Schedule, Updated Plans and Specification Section
WX21187002	Owen County Unserved Areas	Owen County Fiscal Court	Updated Project Description, Updated Project Mapping, Updated Budget, Updated Project Schedule, Updated New Connections
WX21117022	Covington & Dayton Water Main and Full Lead Service Line Replace	Northern Kentucky Water District	Updated Mapping, Updated Project Description, Updated Budget, Updated Project Schedule, Updated Customers Count, Updated Line Replacement Roads, Updated Sustainable Infrastructure
WX21077012	Gallatin County Regional Airport Water Main Extension	Gallatin County Water District	Updated Project Description, Updated Project Schedule, Updated New Customers
WX21077011	US-42 Water Main Extension	Gallatin County Water District	Updated Project Schedule, Updated New Customers
WX21077013	Warsaw Tank Repainting	City of Warsaw	Updated DW Specific Impacts
SX21191017	Inflow and Infiltration Project	City of Falmouth	Updated Energy Efficiency Tab
SX21191018	Butler, KY – Wastewater Collection and Treatment Improvements	City of Butler	Updated Energy Efficiency Tab
WX21191027	Cast Iron Line Replacement to Kincaid Lake	East Pendleton County Water District	Updated Project Schedule, Updated DW Specific Impacts,

			Updated Customer Counts, Updated Administrative Components, Updated Energy Efficiency Tab
WX21191025	Water Storage Tanks and Treatment Plant	City of Falmouth	Updated Budget, Updated Project Schedule, Updated Components Tab, Updated Water Efficiency Tab
SX21081008	Williamstown Lift Station Replacement	City of Williamstown	Updated Beneficiary Systems, Updated Mapping, Updated Budget

NKADD Water Projects by Total Points, Categories 1-5

Planning Unit	County Name	PNUM	Applicant	Project Title	Ranking		
					Regional	County Rank	Total Points
Pendleton	Pendleton	WX21191022	East Pendleton County Water District	Pendleton County Water Treatment Plant	1	1	40
Boone	Boone	WX21015035	City of Walton	South Water Main Connection to NKWD Water Treatment Plant and Raw Water Intake Project	2	1	31
Grant	Grant	WX21081026	City of Williamstown		3	1	30
Gallatin	Gallatin	WX21077013	City of Warsaw	Warsaw Tank Repainting	4	1	28
Campbell/Kenton	Campbell	WX21117022	Northern Kentucky Water District	Covington & Dayton Water Main and Full Lead Service Line Replace	5	1	28
Campbell/Kenton	Kenton	WX21117020	Northern Kentucky Water District	NKWD F26 Lead Service Line Replacement Project	6	1	28
Owen	Owen	WX21187002	Owen County Fiscal Court	Owen County Unserved Areas	7	1	24
Pendleton	Pendleton	WX21191025	City of Falmouth	Water Storage Tanks and Treatment Plant	8	2	27
Boone	Boone	WX21015036	Boone County Fiscal Court	Rural Water Phase 3.4	9	2	21
Grant	Grant	WX21081022	Bullock Pen Water District	Bullock Pen Water Treatment Plant Replacement-Design and Const.	10	2	27
Gallatin	Gallatin	WX21077014	City of Warsaw	Warsaw Water Treatment Plant	11	2	27
Campbell/Kenton	Kenton	WX21117023	Northern Kentucky Water District	Covington Eastside Water Main and Full Lead Service Line Replace	12	2	22
Owen	Owen	WX21187006	Owen County Fiscal Court	KY 1316 Water Main Extension	13	2	18
Pendleton	Pendleton	WX21191027	East Pendleton County Water District	Cast Iron Line Replacement to Kincaid Lake	14	3	24
Grant	Grant	WX21081204	City of Dry Ridge	City of Dry Ridge-2008 Water System Improvements	15	3	23
Gallatin	Gallatin	WX21077012	Gallatin County Water Distict	Gallatin County Regional Airport Water Main Extension	16	3	26
Campbell/Kenton	Kenton	WX21117021	Northern Kentucky Water District	Latonia Phase 2 Water Main and Full Lead Service Line Replacement	17	3	19

NKADD Water Projects by Total Points, Categories 1-5

Pendleton	Pendleton	WX21037007	Pendleton County Water District	Campbell County Waterline Extension	18	4	19
Gallatin	Gallatin	WX21077011	Gallatin County Water Distict	US-42 Water Main Extension	19	4	18
Pendleton	Pendleton	WX21191026	City of Falmouth	Galvanized Main Replacement	20	5	16

NKADD Wastewater Projects by Total Points, Categories 1-5

Planning Unit	County Name	PNUM	Applicant	Project Title	Ranking		
					Regional	County Rank	Total Points
Campbell/Kenton	Kenton	SX21117022	Sanitation District #1	Licking River Tunnel Solution	1	1	37
Campbell/Kenton	Campbell	SX21037012	Sanitation District #1	Taylor Creek EQ	2	1	34
Pendleton	Pendleton	SX21191017	City of Falmouth	Inflow and Infiltration Project	3	1	32
Boone	Boone	SX21015018	City of Walton	WWTP No. 1 Expansion - Plant D	4	1	30
Grant	Grant	SX21081003	Grant County Sanitary Sewer System	Wastewater Treatment Plant Upgrade	5	1	29
Gallatin	Gallatin	SX21077009	Carrollton Utilities	Gallatin County Industrial Park & Airport Sanitary Sewer	6	1	25
Campbell/Kenton	Kenton	SX21117008	Sanitation District #1	Southwest Kenton County-Phase I	7	2	23
Campbell/Kenton	Campbell	SX21117015	Sanitation District #1	Church St. EQ and Surrounding Piping	8	2	32
Pendleton	Pendleton	SX21191018	City of Butler	Butler, KY - Wastewater Collection and Treatment Improvements	9	2	27
Boone	Boone	SX21015011	City of Walton	Mullen Sewage Lift Station Upgrade & Force Main Extension Project	10	2	29
Grant	Grant	SX21081008	City of Williamstown	Williamstown Lift Station Replacement	11	2	21
Campbell/Kenton	Kenton	SX21117009	Sanitation District #1	Southwest Kenton County-Phase II	12	3	21
Campbell/Kenton	Campbell	SX21037011	Sanitation District #1	Newport Festival Park Solution	13	3	29
Campbell/Kenton	Kenton	SX21117010	Sanitation District #1	Southwest Kenton County-Phase III	14	4	20
Campbell/Kenton	Campbell	SX21037013	Sanitation District #1	Echo Hills Sanitary Sewer Improvements	15	4	26
Campbell/Kenton	Campbell	SX21117020	Sanitation District #1	KY17 Corridor Tunnel (North of Lakeview)	16	5	26

FY2026 Priority Project Lists

Water Priority Project List (Safe Drinking Water Act)									
Ranking	County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Households	House	Senate
1	Pendleton	WX21191022	Pendleton County Regional Water Treatment Plant	East Pendleton County Water District	<ul style="list-style-type: none"> - New 2.0 MGD water treatment plant with intake and pumping upgrades - Plant will treat emerging contaminants like PFAS using GAC 	\$21,602,000	4,861	78	24
2	Boone	WX21015035	South Water Main Connection to NKWD	City of Walton	<ul style="list-style-type: none"> - Project connects the City of Walton's water system to the Northern Kentucky Water District (NKWD). - Key activities: <ul style="list-style-type: none"> - Install 850 LF of 12-inch water main - Install a new master meter - Construct a 250 GPM water booster pump station 	\$1,008,000	2074	61 78	20
3	Grant	WX21081026	Water Treatment Plant and Raw Water Intake Project	City of Williamstown	<ul style="list-style-type: none"> - Review existing documents, videos, and procedures. - Develop and assist in a control plan for invasive mussels. - Upgrade raw water pumps and intake screens. - Minimize impacts on affected facilities. - Establish effective long-term control measures. - Ensure treatment plant operates at full capacity. 	\$960,000	1979	61	17
4	Gallatin	WX21077013	Warsaw Tank Repainting	City of Warsaw	<ul style="list-style-type: none"> - The project addresses deficiencies found in recent tank inspections. - The City of Warsaw has three storage facilities: Firehouse, High School, and WTP. - Each tank will be taken offline one at a time for repairs and coating updates. 	\$835,000	901	61	20

Water Priority Project List (Safe Drinking Water Act)									
Ranking	County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Households	House	Senate
5	Campbell	WX21117022	Covington & Dayton Water Main and Full Lead Service Line Replace	Northern Kentucky Water District	<ul style="list-style-type: none"> - Water main and lead service line replacement in disadvantaged communities in Covington - Target Communities: Median household income below \$60,183; 80th percentile or higher on at least 1 socioeconomic indicator (per EPA) - Scope of Work: <ul style="list-style-type: none"> - Replace 13,860 feet of unlined cast iron water mains - Affect 437 households - Replace approximately 312 lead service lines 	\$9,600,000	418	65 67	23 24
6	Kenton	WX21117020	NKWD F26 Lead Service Line Replacement Project	Northern Kentucky Water District	<ul style="list-style-type: none"> - Project Overview: Lead service line replacement in low-income communities. - Lead Service Lines: <ul style="list-style-type: none"> - 1,761 full lead service lines (both utility and private). - 3,627 partial lead service lines (either utility or private). - Funding Request: Requesting \$54 million from the 2026 DWSRF, with 70% as principal forgiveness. 	\$54,000,000	5,388	63 64 65 67	23 24
7	Owen	WX21187002	Owen County Unserved Areas	Owen County Fiscal Court	<p>The project aims to extend new water mains to unserved areas, including:</p> <ul style="list-style-type: none"> - 35,600 linear feet of 4-inch water mains - 22,900 linear feet of 6-inch water mains - Serving approximately 55 unserved users - Adding hydraulic loops for redundancy in the existing potable water system - Extensions on Cull Road and Red Oak Road 	\$1,655,448	44	47	20

Water Priority Project List (Safe Drinking Water Act)									
Ranking	County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Households	House	Senate
8	Pendleton	WX21191025	Water Storage Tanks and Treatment Plant	City of Falmouth	<ul style="list-style-type: none"> - The 2023 storage tank inspection revealed the clear well tank at the water plant requires repairs and painting. - The city plans to upgrade the electrical system at the water treatment plant, as the current grid is over 40 years old. - Repairs or replacement of the lamella settling basin, in service since 1986 and needing attention within 5 years, are also proposed. - Funds will be allocated to replace or repair the raw water check valve to prevent backflow, ensuring pump protection and potable water safety. 	\$1,236,000	1198	78	24
9	Boone	WX21015036	Rural Water Phase 3.4	Boone County Fiscal Court	This project consists of extending water main to a previously unserved area, bringing clean safe drinking water as well as fire protection.	\$3,500,000	32,134		
10	Grant	WX21081022	Bullock Pen Water Treatment Plant Replacement-Design and Const.	Bullock Pen Water District	<ul style="list-style-type: none"> - Project Overview: <ul style="list-style-type: none"> - Engineering design including architectural, geotechnical, surveying, environmental, and archaeological assessments. - Development of a 2.0 MGD Water Treatment Plant (WTP) to replace the outdated 1.1 MGD plant from 1961. - New Facilities: <ul style="list-style-type: none"> - Replacement of water intake and pumps with energy-efficient Variable Frequency Drives (VFDs). - Proposed WTP location near existing infrastructure. - Distribution System Improvements: <ul style="list-style-type: none"> - Waterline extensions to unserved areas and replacement of a damaged asbestos cement line. 	\$16,297,000	15	61	17 20

Water Priority Project List (Safe Drinking Water Act)									
Ranking	County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Households	House	Senate
					<ul style="list-style-type: none"> - New water storage tank and mixing systems for existing tanks. - Additional Components: <ul style="list-style-type: none"> - Installation of Master Meter (AMR), SCADA, security measures, and two generators. - Removal of one WTP pump. - Contaminant Management: <ul style="list-style-type: none"> - Inclusion of Granular Activated Carbon (GAC) for PFAS removal and addressing emerging contaminants. 				
11	Gallatin	WX21077014	Warsaw Water Treatment Plant	City of Warsaw	- Plan, Design, and Construct a new joint water treatment plant in Gallatin County.	\$11,295,000	2,948	61	20
12	Kenton	WX21117023	Covington Eastside Water Main and Full Lead Service Line Replace	Northern Kentucky Water District	<ul style="list-style-type: none"> - Project aims to replace water mains and lead service lines in disadvantaged communities in Covington. - Target areas have a median household income below \$60,183 and rank at least 80th percentile in one socioeconomic indicator per the EPA. - About 8,455 feet of unlined cast iron water mains will be replaced, affecting 417 households. - Estimated 314 lead service lines will also be replaced. 	\$7,100,000	417	64 65	23 24
13	Owen	WX21187006	KY1316 Water Main Extension	Owen County Fiscal Court	<ul style="list-style-type: none"> - Extend about 21,700 3" waterline down KY 1316 to pick up unserved households - Replacing about 3,000 linear feet of waterline to 3" waterline from the existing 2" waterline. 	\$1,150,923	18	47	20
14	Pendleton	WX21191027	Cast Iron Line Replacement	East Pendleton Water District	- Replace 6" cast iron line from Falmouth to Kincaid Lake with:	\$3,299,000	158	78	24

Water Priority Project List (Safe Drinking Water Act)									
Ranking	County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Households	House	Senate
			to Kincaid Lake		<ul style="list-style-type: none"> - 8" PVC DR18 C900 and 8" SDR17 PVC as needed - Upgrade Pump Stations #1 and #2 on Hwy 159, including: <ul style="list-style-type: none"> - Complete replacement of buildings, pumps, motors, and SCADA system - Add generator with auto transfer switch at each location 				
15	Grant	WX21081204	City of Dry Ridge-2008 Water System Improvement	Dry Ridge Water Works Commission	<ul style="list-style-type: none"> - Install booster pump station and telemetry for proper storage capacity - Replace approximately 1200 feet of 6-inch cast iron pipe with 6-inch PVC pipe 	\$267,000	830	61	17
16	Gallatin	WX21077012	Gallatin County Regional Airport Water Main Extension	Gallatin County Water District	<ul style="list-style-type: none"> - New regional airport in Gallatin County - Extension of an 8" water main by approximately 6,500 LF - Purpose: Provide water service to the airport and nearby areas - Elimination of dead ends in the distribution system - Improvement of water quality for: <ul style="list-style-type: none"> - 36 households - 2 businesses - 1 emergency connection - Enhanced reliability during emergencies 	\$882,800	52	61	20
17	Kenton	WX21117021	Latonia Phase 2 Water Main and Full Lead Service Line Replacement	Northern Kentucky Water District	<ul style="list-style-type: none"> - Project focuses on water main and lead service line replacement in disadvantaged Covington communities. - Target areas have a median household income below \$60,183 and rank at the 80th percentile or higher on at least one socioeconomic indicator. 	\$8,500,000	373	64 65	23

Water Priority Project List (Safe Drinking Water Act)									
Ranking	County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Households	House	Senate
					- Approximately 11,780 feet of unlined cast iron water mains will be replaced, impacting 373 households. - Estimated 300 lead service lines will also be replaced.				
18	Pendleton	WX21037007	Campbell County Waterline Extension	Pendleton County Water District	- Construction of 6.4 miles of 6 inch and 4 inch water line to serve 75 new customers in Campbell County.	\$1,405,000	75	78	24
19	Gallatin	WX21077011	US-42 Water Main Extension	Gallatin County Water District	- Project involves the extension of approximately 3,150 linear feet (LF) of water main. - Purpose: to provide potable water service to six households. - Current situation: Households are dependent on wells and/or hauling water to meet their needs.	\$302,275	6	61	20
20	Pendleton	WX21191026	Galvanized Main Replacement	City of Falmouth	The proposed project would include the replacement of approx. 4,834.55' of water main. These mains serve the city limits of Falmouth. They are made of 2' galvanized pipe and were installed in the 1940's.	\$0	1,198	78	24
					Total Water Projects	\$144,895,446			

Wastewater Priority Project List (Clean Water Act)									
Ranking	County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Households	House	Senate
1	Kenton	SX21117022	Licking River Tunnel Solution	Sanitation District #1 of Northern Kentucky	<ul style="list-style-type: none"> - Improve combined sewer overflow (CSO) management - Tunnel Details: <ul style="list-style-type: none"> - Diameter: 12 ft - Length: 11,300 LF - Route: 4th Street, Newport to James Avenue, Covington - Infrastructure: <ul style="list-style-type: none"> - Five drop shafts - Single 10 MGD dewatering pump station at Randolph Park Urban Orchard 	\$215,974,078	21,775	64 65 67	23 24
2	Campbell	SX21037012	Taylor Creek EQ	Sanitation District #1 of Northern Kentucky	-2M Gallon EQ Tank and Wet Weather Pump Station and Force main	\$28,824,104	300,000	67	24
3	Pendleton	SX21191017	Inflow and Infiltration Project	City of Falmouth	<ul style="list-style-type: none"> - The City entered into an Agreed Order with KDOW regarding NOV's in their collection system. - SSOs are due to excessive Inflow and Infiltration (I/I). <p>Project goals to reduce I/I include:</p> <ul style="list-style-type: none"> - Rehab/repair/replacement of approximately 32,731 LF of gravity sewer. - CCTV inspection of 30,054 LF of gravity sewer. - Rehab/replacement of 119 manholes. - Rehab work based on SSES investigations. - Reduced I/I will lower energy consumption and costs at pump stations and the treatment plant. 	\$6,287,320	957	78	20
4	Boone	SX21015018	WWTP No. 1 Expansion - Plant D	City of Walton	- Expansion of the existing Wastewater Treatment Plant No. 1	\$7,768,000	2,058	78	20

Wastewater Priority Project List (Clean Water Act)									
Ranking	County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Households	House	Senate
					<ul style="list-style-type: none"> - New 0.450 MGD Extended Aeration System - New 313 GPM raw sewage lift station - New waste activated sludge lift station - Increase design capacity to 1.3 MGD 				
5	Grant	SX21081003	Wastewater Treatment Plant Upgrade	Grant County Sanitary Sewer District	<ul style="list-style-type: none"> - Construct a 450,000 GPD sequencing batch reactor (SBR) for biological treatment. - Convert one package treatment basin into pre and post equalization basins. - Convert another basin into a 60,000-gallon aerobic digester. - Install pumping systems for equalization basins. - Upgrade electrical and instrumentation systems with standby power. - Reuse two package treatment basins; demolish two. - Build a solids dewatering system. - Add new chlorine contact and post aeration basins. - Include a new screening system. - Upgrade existing KY 491 Pump Station. - Complete a Facility Plan for the project. 	\$9,111,520	1,525	61	17
6	Gallatin	SX21077009	Gallatin County Industrial Park & Airport Sanitary Sewer	Carrollton Utilities	<ul style="list-style-type: none"> - Project: Sanitary sewer design and construction for an industrial park and regional airport - Location: 3,500 ft south of Exit 55 of I-71 - Capacity: 50,000 gallons per day - Components: <ul style="list-style-type: none"> - 3,200 ft gravity sewer - 8 precast manholes - 1 lift station - 600 ft forcemain sewer 	\$852,950	3,733	61	20

Wastewater Priority Project List (Clean Water Act)									
Ranking	County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Households	House	Senate
7	Kenton	SX21117008	Southwest Kenton County-Phase I	Sanitation District #1 of Northern Kentucky	<ul style="list-style-type: none"> - Open development in Southwest Kenton County - Total project adding approximately 37,000 feet of <18" pipe - Phase I involves adding 14,000 feet of <18" pipe 	\$8,436,000	140	78	20
8	Campbell	SX21117015	Church St. EQ and Surrounding Piping	Sanitation District #1 of Northern Kentucky	<ul style="list-style-type: none"> - 2.6 MG EQ Tank - 7.2 MGD LS - 75 LF 12" ductile iron collector - 465 LF 12" ductile iron collector - 229 LF 24" ductile iron collector - SD1 does have cybersecurity 	\$12,846,367	98,559	64	23
9	Pendleton	SX21191018	Butler, KY - Wastewater Collection and Treatment Improvements	City of Butler	<ul style="list-style-type: none"> - Collection System Improvements: <ul style="list-style-type: none"> - Assess existing collection system to identify repair areas. - Use cameras for assessment; clean and repair sewer lines as needed. - Majority of repairs will use cured in place pipe lining (CIPP). - Additional work includes lateral repairs, removal of stormwater connections, and manhole improvements. - Wastewater Treatment Plant (WWTP) Improvements: <ul style="list-style-type: none"> - Identify necessary repairs at the existing plant, including: <ul style="list-style-type: none"> - New chemical feed building and equipment. - Cleaning of treatment units. - Structural repairs and painting of tanks and piping. 	\$1,736,700	322	78	20

Wastewater Priority Project List (Clean Water Act)									
Ranking	County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Households	House	Senate
					- Electrical improvements and new access drive for chemical delivery.				
10	Boone	SX21015011	Mullen Sewage Lift Station Upgrade & Force Main Extension Project	City of Walton	- Upgrade of Mullen Drive Lift Station, rated at 222 GPM and 65 feet of head. - Extend 6-inch sewer force main approximately 6,500 LF to an existing manhole and a new sewage lift station replacing a package treatment plant. - Install variable frequency drives (VFDs) at Walton Towne-Center Lift Station.	\$1,147,000	1,882	78	20
11	Grant	SX21081008	Williamstown Lift Station Replacement	City of Williamstown	- Upgrade of two lift stations in Williamstown: - LaPine Lift Station - Cemetery Lift Station - Features of the project: - Installation of more modern and larger lift stations - Redirection of lift station flows to reduce congestion - Decreased burden on currently overloaded lift stations	\$475,000		61	17
12	Kenton	SX21117009	Southwest Kenton County-Phase II	Sanitation District #1 of Northern Kentucky	- Open development extending service in Southwest Kenton County - Total project involves adding approximately 37,000 feet of <18" pipe - Phase II involves adding 11,000 feet of <18" pipe	\$6,600,000	140	78	20
13	Campbell	SX21037011	Newport Festival Park Solution	Sanitation District #1 of Northern Kentucky	- Design-Build Team evaluating best solution: - Solution 1: - 15 MGD Pump Station - Approximately 5,000 linear feet of Force Main and Conveyance - Solution 2:	\$33,801,032	300,000	67	24

Wastewater Priority Project List (Clean Water Act)									
Ranking	County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Households	House	Senate
					- 5,000 linear feet of Conveyance via Micro Tunneling - Includes Shafts				
14	Kenton	SX21117010	Southwest Kenton County-Phase III	Sanitation District #1 of Northern Kentucky	- Open development in Southwest Kenton County - Total project includes approximately 37,000 feet of <18" pipe - Phase III adds an additional 12,000 feet of <18" pipe	\$7,200,000	140	78	20
15	Campbell	SX21037013	Echo Hills Sanitary Sewer Improvements	Sanitation District #1 of Northern Kentucky	- Installation of 16,820 linear feet of new sanitary pipe - Construction of 1 new pump station - Elimination of failing septic systems - Removal of 2 small failing treatment plants - Support for community growth and development	\$21,438,306	84		
16	Campbell	SX21117020	KY17 Corridor Tunnel (North of Lakeview)	Sanitation District #1 of Northern Kentucky	- Install a new gravity sewer. - Abandon existing sewers on unstable banks of Banklick Creek. - Length: Approximately 7,400 linear feet. - Flow Path: From the intersection of Howard Litzler Road and KY-17 to near the Lakeview Pump Station. - Installation Method: Tunneling. - Pipe Diameter: Ranges from 30 in. to 42 in.	\$44,806,092	196	65	23
					Total Wastewater Project	\$407,304,469			

NKADD Regional Water & Wastewater Management Goals & Objectives

Regulation 401 KAR 4:220 requires that, prior to beginning the planning process, planning councils develop the goals and objectives of the planning council. This chapter discusses the objectives as established by the council; discusses conflicts or lack of consensus in the establishment of the objectives; and assesses compatibility of the objectives with other existing plans, if any.

2024 Water & Wastewater Management Planning Summary

The NKADD Water Management Council reviewed the water systems and wastewater systems and their service areas located within the Northern Kentucky Area Development District. The Council designated the Northern Kentucky Area Development District boundary as the regional management area. Over the last 20 years, there has been both a population increase and a household increase within the Northern Kentucky Area Development District. There has also been a 10% increase in the percentage of the population and households that are serviceable for systems.

Census	Population	Households	% Serviceable
2000	391,417	162,028	87%
2020	468,471	195,338	97%

Within NKADD, the following water and wastewater management planning areas were designated by the Council:

BOONE COUNTY

Boone County is the fastest growing county in Northern Kentucky, and was the third fastest growing county in the state between 2000 and 2010, during which time its population increased by 38.2%. This growth is expected to continue. With such rapid growth, planning for future infrastructure is essential. There are three publicly-owned wastewater systems in Boone County and 16 PTPs. The cities of Florence and Walton operate municipal wastewater systems and the SD1 provides sewer service to a small portion of the County as well as Campbell and Kenton counties. SD1 has constructed the new 20MGD Western Regional Reclamation Facility. Currently, 65% of the population relies on public sewers.

CAMPBELL COUNTY

Campbell County is served by one public utility and 31 PTPs. The SD1 is responsible for the management of wastewater and stormwater in Campbell and Kenton counties as well as portions of Boone County. Campbell County is served by the Eastern Regional STP. Overall, the district serves over 325,000 people, approximately 80% of the total population of the three counties.

CARROLL COUNTY

Carroll County is located on the Ohio River, approximately halfway between Cincinnati and Louisville. The County is not expected to see considerable growth in the near future. The topography of the County is rugged, and much of the terrain is unsuitable for development. The County is served by one

public utility and 2 PTPs. Carrollton Utilities serves the cities of Carrollton, Campbellsburg, Ghent, Prestonville, Worthville, and Sanders.

GALLATIN COUNTY

Gallatin County is the smallest county in Kentucky by area, but it was the 3rd fastest growing county in the state from 1990 to 2000 when its population increased by nearly 46 percent but only grew by 9.1 percent between 2000 and 2010. Gallatin County has good transportation access via Interstate 71, which connects Louisville and Cincinnati, Ohio; and KY-1039, which connects Kentucky and Indiana, utilizing the Markland Dam to cross the Ohio River southwest of Warsaw. There are 2 public systems and 2 PTPs in Gallatin County. The city of Warsaw operates a municipal wastewater system and Carrollton Utilities serves Sparta and Glencoe.

GRANT COUNTY

Grant County was the 22nd fastest growing county in the state between 2000 and 2010. That growth rate is expected to continue. The Interstate 75 / US-25 corridor provides convenient transportation and access for future development. Grant County is served by 3 public systems and 10 PTPs. The Grant County Sanitary Sewer District serves the city of Crittenden. The city of Williamstown operates a municipal system and treats the city of Dry Ridge as well. The city of Corinth operates a municipal system.

KENTON COUNTY

Kenton County is the third most populous county in the state. Ninety percent of the population has access to public sanitary sewers. Public sewer service is provided to most of these residents by SD1. The City of Walton, which sits on the border of southern Boone and Kenton Counties, provides service within its city limits. The Grant County Sanitary Sewer District may extend service into a small portion of southern Kenton County in the future. Additionally, there are 10 PTPs in the county.

OWEN COUNTY

Owen County is more sparsely populated than many other surrounding counties. The total population of 10,841 as of the 2010 Census was dispersed throughout the 352 square mile area the County encompasses resulting in an average population density of 30 persons per square mile. Because of the wide population distribution, only 20% of residents have access to public sewers. In addition to service from the city of Owenton, Carrollton Utilities is planning to extend sewer service into northern Owen County to serve communities along Eagle Creek. Additionally, there are 4 PTPs in the county.

PENDLETON COUNTY

Pendleton County has seen moderate growth over the past decade. The terrain is made up of rolling hills and fertile river valleys. The County is bordered by the Ohio River, which flows for 3.5 miles along its northeast border. The Licking River meanders through the County. The South Fork and main branch meet in Falmouth and flow north past Butler, into Campbell County toward the Ohio River. The county is served by 2 public systems and 9 PTPs. The cities of Butler and Falmouth operate municipal systems.

CONSOLIDATION AND REGIONALIZATION

The following systems have been consolidated since 2000.

West Carroll Water District was purchased by Carrollton Utilities

Ghent Sewer Systems purchased by Carrollton Utilities.

Future Water Needs Assessment

A needs assessment was completed for each water system between November 26, 2024 and October 27, 2025. Assessments were completed using a combination of surveys, conference calls, and meetings with water systems. Each system reviewed the Water Needs Assessment Form to identify the goals and objectives that are most applicable to the system. The results of the needs assessments were reviewed during the annual Planning Unit Project Prioritization meetings.

Planning Unit	System Name	Utility Representative(s)	Date
Boone	Boone-Florence Water Commission	Jeff Eiger	3/6/2025
Boone	Boone County Water District	Harry Anness	1/22/2025
Grant	Bullock Pen Water District	Paul Harp	3/14/2025
Pendleton	Butler Water Works	Mason Taylor & Susan Batts	3/25/2025
Carroll	Carroll County Water District	Obe Cox	3/10/2025
Carroll	Carrollton Utilities	Terry Roach	10/27/2025
Grant	Corinth Water District	William Hill & Tara Wright	8/27/2025
Grant	Dry Ridge Water Works Commission	Ken Little, Robbie Bosse, & Barry Marksberry	11/26/2024
Pendleton	East Pendleton Water District	Joby Brewer	2/27/2025
Pendleton	Falmouth Water Department	Dawn Hughes & Christian Hutchinson	2/27/2025
Boone	Florence Water and Sewer Commission		
Gallatin	Gallatin County Water District	Theresa Parker & Willie Harmeling	1/21/2025
Owen	Kentucky-American Water Company		
Kenton/Campbell	Northern Kentucky Water District	Kyle Ryan & Richard Harrison	2/26/2025
Pendleton	Pendleton County Water District	Austin Monroe	3/25/2025
Boone	Walton Waterworks Department	Gerry Regensburger	1/21/2025
Gallatin	Warsaw Water Works	Charlie French, Eric Moore, & Jerry Hutchinson	3/10/2025
Grant	Williamstown Municipal Water Department	Tim Beach	1/16/2025

Each system identified the top three priority needs in the following categories: Infrastructure Development, Operations/Management, and Planning.

Infrastructure Development: The Infrastructure Development Needs Assessment identifies the physical infrastructure development needs and priorities for water systems.

Operations/Management: The Operations/Management Needs Assessment identifies the operational and management capacity needs and priorities for water systems.

Planning: The Planning Needs Assessment identifies the priority planning, research, study, and infrastructure analysis needs for the water systems.

The top priority needs identified by each system were tabulated to identify the needs with the highest occurrences across the region. The three needs with the highest occurrences in each category were

selected for the regional goals and objectives. The NKADD Regional Water Management Council approved the Regional Water Goals and Objectives during the quarterly meeting on [date].

Water Infrastructure Development

The following recommended goals were outlined on the Water Needs Assessment Form for Infrastructure Development. Additional needs identified during the needs assessments that were not listed on the form are listed below as well.

- | | |
|---|--|
| <input type="checkbox"/> Economic Development | Expand water system to accommodate new business/industry within the region. |
| <input type="checkbox"/> Extension of Services to Unserved Areas | Develop water infrastructure to serve populations that are currently not being served in the region. |
| <input type="checkbox"/> Improve Security Risk | Improve the security of water systems in the region to reduce terrorist threat. |
| ✓ Increase Storage Capacity | Increase the storage capacity of water systems in the region to adequately serve existing or potential customers. |
| ✓ Meet Regulatory Requirements | Achieve and maintain compliance with Division of Water and other water system regulating entities. |
| <input type="checkbox"/> Regionalization | Increase cooperation with water systems in the region to improve efficiency and reduce costs. |
| ✓ Repair/Replace Existing Infrastructure | Repair damages in the existing water infrastructure and replace aging infrastructure in the region. |
| <input type="checkbox"/> Source Protection | Implement efforts to ensure the quality, quantity, and dependability of water produced in raw water sources in the region. |
| <input type="checkbox"/> Other | [List Other Needs] |

Based on the Water Needs Assessment Form responses collected from the water systems, the following Infrastructure Development Needs were identified for wastewater systems in the NKADD Regional Water Management Planning Area.

The highest occurring needs included:

- 1) Repair/Replace Existing Infrastructure
- 2) Meet Regulatory Requirements
- 3) Increase Storage Capacity

Other needs included:

- Extension of Services to Unserved Areas
- Economic Development
- Regionalization

Planning Unit	System Name	Economic	Extension	Security	Storage	Regulatory	Regional	Replace	Source	Other
Boone	Boone-Florence Water Commission				1	1		1		
Boone	Boone County Water District		1		1			1		
Grant	Bullock Pen Water District				1	1		1		
Pendleton	Butler Water Works	1		1				1		
Carroll	Carroll County Water District	1				1		1		
Carroll	Carrollton Utilities	1				1		1		
Grant	Corinth Water District					1		1		
Grant	Dry Ridge Water Works Commission						1			
Pendleton	East Pendleton Water District		1					1		
Pendleton	Falmouth Water Department	1				1		1		
Boone	Florence Water and Sewer Commission									
Gallatin	Gallatin County Water District									1
Owen	Kentucky-American Water Company									
Kenton/Campbell	Northern Kentucky Water District					1		1		
Pendleton	Pendleton County Water District		1		1		1			
Boone	Walton Waterworks Department							1		
Gallatin	Warsaw Water Works				1		1	1		
Grant	Williamstown Municipal Water Department		1					1	1	
Total		4	4	1	5	7	3	13	1	1

Water Management/Operations

The following recommended goals were outlined on the Water Needs Assessment Form for Management and Operation. Additional needs identified during the needs assessments that were not listed on the form are listed below as well.

- | | |
|--|--|
| <input type="checkbox"/> Training | Provide sufficient training for operators, office staff, and utility management. |
| <input type="checkbox"/> Fiscal Management | Ensure effective management of system's financial resources, including revenue collection, budgeting, and expenditure. |
| <input checked="" type="checkbox"/> Distribution Operations | Implement efficient maintenance, repairs, and operations of the distribution and transmission system. |
| <input type="checkbox"/> Treatment Operations | Implement efficient maintenance, repairs, and operations of the treatment plant. |
| <input type="checkbox"/> Emergency Operations | Improve response during emergency operations and/or natural disasters. |
| <input checked="" type="checkbox"/> Compliance | Improve and maintain compliance with state and federal regulatory agencies. |
| <input type="checkbox"/> Reporting | Ensure accurate, efficient, and timely submission of reporting and documentation to regulatory agencies. |
| <input type="checkbox"/> Mapping | Collect and maintain mapping for infrastructure components in the distribution, transmission, and treatment systems. |
| <input checked="" type="checkbox"/> Leak Detection & Water Loss | Implement practices to identify water leaks and other sources of water loss to reduce the annual average water loss. |
| <input type="checkbox"/> Operator Retention | Retain a sufficient number of operators to operate and maintain distribution and treatment systems. |
| <input type="checkbox"/> Other | [List Other Needs] |

Based on the Water Needs Assessment Form responses collected from the water systems, the following Infrastructure Development Needs were identified for wastewater systems in the NKADD Regional Water Management Planning Area.

The highest occurring needs included:

- 1) Leak Detection & Water Loss
- 2) Distribution Operations and Compliance

Other needs included:

- Training
- Mapping
- Operator Retention
- Emergency Operations

Planning Unit	System Name	Training	Fiscal Management	Distribution Operations	Treatment Operations	Emergency Operations	Compliance	Reporting	Mapping	Water Loss	Operator Retention	Other
Boone	Boone-Florence Water Commission											
Boone	Boone County Water District			1		1					1	
Grant	Bullock Pen Water District			1	1					1		
Pendleton	Butler Water Works			1			1			1		
Carroll	Carroll County Water District	1					1				1	
Carroll	Carrollton Utilities					1	1			1		
Grant	Corinth Water District			1						1		
Grant	Dry Ridge Water Works Commission	1										
Pendleton	East Pendleton Water District									1		
Pendleton	Falmouth Water Department						1			1	1	
Boone	Florence Water and Sewer Commission											
Gallatin	Gallatin County Water District									1		
Owen	Kentucky-American Water Company											
Kenton/Campbell	Northern Kentucky Water District		1				1					
Pendleton	Pendleton County Water District	1							1	1		
Boone	Walton Waterworks Department	1				1				1		
Gallatin	Warsaw Water Works			1	1				1			
Grant	Williamstown Municipal Water Department								1	1		
Total		4	1	5	2	3	5	0	3	10	3	0

Water Planning

The following recommended goals were outlined on the Water Needs Assessment Form for Planning. Additional needs identified during the needs assessments that were not listed on the form are listed below as well.

- | | |
|---|---|
| <input checked="" type="checkbox"/> Project Development, Prioritization, & Funding | Develop capital improvement plan to identify projects, scopes of work, estimated budgets, schedules, and potential funding sources. |
| <input checked="" type="checkbox"/> Asset Management & Mapping | Develop and/or maintain an asset inventory of physical components in the system along with mapping. |
| <input type="checkbox"/> Water Supply Planning & SWAPP | Determine the capabilities within the service area to manage and plan for adequate water supply and source water protection. |
| <input type="checkbox"/> Emergency Response Planning | Develop plans and protocols for response during emergencies and natural disasters. |
| <input checked="" type="checkbox"/> Growth & Development | Forecast capacity and treatment demands for potential economic and residential growth in the service area. |
| <input type="checkbox"/> Overall Coordination | Coordinate planning activities with other local and regional stakeholders. |
| <input type="checkbox"/> Other | [List Other Needs] |

Based on the Water Needs Assessment Form responses collected from the water systems, the following Planning Needs were identified for water systems in the NKADD Regional Water Management Planning Area.

The highest occurring needs included:

- 1) Project Development, Prioritization, & Funding
- 2) Asset Management & Mapping
- 3) Growth & Development

Other needs included:

- Water Supply Planning & SWAPP
- Emergency Response Planning
- Overall Coordination

Planning Unit	System Name	Project Development	Asset Management	Water Supply Planning	Emergency Response Plan	Growth & Development	Overall Coordination	Other
Boone	Boone-Florence Water Commission	1	1	1				
Boone	Boone County Water District	1	1			1		
Grant	Bullock Pen Water District	1	1				1	
Pendleton	Butler Water Works	1			1	1		
Carroll	Carroll County Water District	1			1	1		
Carroll	Carrollton Utilities		1		1	1		
Grant	Corinth Water District	1		1		1		
Grant	Dry Ridge Water Works Commission			1				
Pendleton	East Pendleton Water District	1	1					
Pendleton	Falmouth Water Department	1	1			1		
Boone	Florence Water and Sewer Commission							
Gallatin	Gallatin County Water District							1
Owen	Kentucky-American Water Company							
Kenton/Campbell	Northern Kentucky Water District	1	1					
Pendleton	Pendleton County Water District		1					
Boone	Walton Waterworks Department	1		1		1		
Gallatin	Warsaw Water Works	1	1				1	
Grant	Williamstown Municipal Water Department					1		
Total		11	9	4	4	8	2	1

Water Goals and Objectives

The NKADD Regional Water Management Council has identified 9 goals for Water Management Planning in the Region. These goals and objectives outline the Region's priorities for planning, project development, funding, management, and operations, providing a structured approach to enhance water management within the region.

Infrastructure Development Goal(s) and Objectives

GOALS	EXAMPLE OBJECTIVES
Increase Storage Capacity Increase the storage capacity of water systems in the region to adequately serve existing or potential customers.	<ul style="list-style-type: none">• New Storage Tank• Upgraded Storage Tank
Meet Regulatory Requirements Achieve and maintain compliance with Division of Water and other water system regulating entities.	<ul style="list-style-type: none">• Participate in external and internal Training Programs• Utilize and update internal strategies for regulatory compliance
Repair/Replace Existing Infrastructure Repair damages in the existing water infrastructure and replace aging infrastructure in the region.	<ul style="list-style-type: none">• Rehab/Replace Distribution Infrastructure• Rehab/Replace Storage Infrastructure• Rehab/Upgrade WTP• Rehab/Replace Water Meters

Goal 1:	Repair/Replace Existing Infrastructure: Repair damages in the existing water infrastructure and replace aging infrastructure in the region.
Objective 1.1	Implement waterline replacement projects to replace aging lines.
Objective 1.2	Implement water tank repair/replacement projects.
Objective 1.3	Coordinate water infrastructure repair/replacement with external partners.
Objective 1.4	Implement repairs/replacements to water meters.
Objective 1.5	Implement repairs/upgrades to water treatment plants.

Goal 2:	Meet Regulatory Requirements: Achieve and maintain compliance with Division of Water and other water system regulating entities.
Objective 2.1	Increase participation in professional organization and regulatory agency workgroups and committees.
Objective 2.2	Participate in external and internal Training Programs.
Objective 2.3	Utilize and update internal strategies for regulatory compliance.

Goal 3:	Increase Storage Capacity: Increase the storage capacity of water systems in the region to adequately serve existing or potential customers.
Objective 3.1	Constructing storage tanks to increase storage capacity.
Objective 3.2	Replacing smaller storage tanks with larger storage tanks.
Objective 3.3	Repair existing storage tanks.

Management/Operations Goal(s) and Objectives

GOALS	EXAMPLE OBJECTIVES
Distribution Operations Implement efficient maintenance, repairs, and operations of the distribution and transmission system.	<ul style="list-style-type: none"> • Repair distribution and transmission lines • Upgrade distribution and transmission lines
Compliance Improve and maintain compliance with state and federal regulatory agencies.	<ul style="list-style-type: none"> • Lead and Copper • PFOS/PFAS • Ensure Annual Requirements are met • Maintain Continued Regulatory Compliance • Engage in Rulemaking Process Proactively • Participate in Professional Organization and Regulatory Agency Workgroups and Committees
Leak Detection & Water Loss Implement practices to identify water leaks and other sources of water loss to reduce the annual average water loss.	<ul style="list-style-type: none"> • Replace and Upgrade Water Meters • Regular Water Meter Testing • Implement Leak-Detection Zones in the System • Determine Best Practices for Leak-Detection

Goal 4:	Leak Detection & Water Loss: Implement practices to identify water leaks and other sources of water loss to reduce the annual average water loss.
Objective 4.1	Replace and upgrade water meters including flow meters.
Objective 4.2	Implement a plan for regularly testing water meters to ensure accuracy.
Objective 4.3	Implement leak-detection zones in the systems.
Objective 4.4	Determine best practices for leak detection and reducing water loss.

Goal 5:	Distribution Operations: Implement efficient maintenance, repairs, and operations of the distribution and transmission system.
Objective 5.1	Repair distribution and transmission lines as needed.
Objective 5.2	Upgrade distribution and transmission lines to reduce needed repairs and maintenance.

Goal 6:	Compliance: Improve and maintain compliance with state and federal regulatory agencies.
Objective 6.1	Develop and implement plans to ensure that Lead and Copper Regulations are met, including replacing lead lines as needed.
Objective 6.2	Develop and Implement plans to ensure that PFOS/PFAS Regulations are met.
Objective 6.3	Develop and implement plans to ensure that all annual requirements are met, including reports, audits, and budgets.

Objective 6.4	Monitor changes in regulations and update internal policies and procedures as needed to ensure full compliance.
Objective 6.5	Increase participation in professional organization and regulatory agency workgroups and committees.

Planning Goal(s) and Objectives

GOALS	EXAMPLE OBJECTIVES
Project Development, Prioritization, & Funding Develop capital improvement plan to identify projects, scopes of work, estimated budgets, schedules, and potential funding sources.	<ul style="list-style-type: none"> • Project Development • Project Cost Estimates • Potential Funding Sources • Capital Improvement Plan
Asset Management & Mapping Develop and/or maintain an asset inventory of physical components in the system along with mapping.	<ul style="list-style-type: none"> • Asset Inventory • Asset Mapping • Asset Management Plan
Growth & Development Forecast capacity and treatment demands for potential economic and residential growth in the service area.	<ul style="list-style-type: none"> • Strategic Plan • Projected Developments

Goal 7:	Project Development, Prioritization, & Funding: Develop capital improvement plan to identify projects, scopes of work, estimated budgets, schedules, and potential funding sources.
Objective 7.1	Develop water projects including cost estimates and engineers.
Objective 7.2	Develop a list of funding sources for water projects including requirements for each funding source.
Objective 7.3	Develop/Update a capital improvement plan.

Goal 8:	Asset Management & Mapping: Develop and/or maintain an asset inventory of physical components in the system along with mapping.
Objective 8.1	Develop an Asset Management Plan.
Objective 8.2	Complete an Asset Inventory.
Objective 8.3	Develop a plan to keep the mapping of assets up to date.

Goal 9:	Growth & Development: Forecast capacity and treatment demands for potential economic and residential growth in the service area.
Objective 9.1	Develop and maintain a Strategic Plan to prepare for projected developments, projects, and growth.
Objective 9.2	Develop a list of projected developments and projects

Future Wastewater Needs Assessment

A needs assessment was completed for each wastewater system between November 20, 2024 and October 27, 2025. Assessments were completed using a combination of surveys, conference calls, and meetings with wastewater systems. Each system reviewed the Wastewater Needs Assessment Form to identify the goals and objectives that are most applicable to the system. The results of the needs assessments were reviewed during the annual Planning Unit Project Prioritization meetings.

Planning Unit	System Name	Utility Representative(s)	Date
Pendleton	Butler Sewer Department	Mason Taylor & Susan Batts	3/25/2025
Carroll	Carrollton Utilities	Terry Roach	10/27/2025
Grant	Corinth Sewer Department		
Grant	Dry Ridge Sewer Department	Ken Little, Robbie Bosse, & Barry Marksberry	11/26/2024
Pendleton	Falmouth STP	Dawn Hughes & Christian Hutchinson	2/27/2025
Boone	Florence Water and Sewer Commission		
Grant	Grant County Sanitary Sewer	Paul Harp	3/14/2025
Kenton/Campbell	Sanitation District #1	Lydia Watkins, Adam Chaney, & Annette Haas	11/20/2024
Boone	Walton Wastewater System	Gerry Regensburger	1/21/2025
Gallatin	Warsaw Wastewater System	Charlie French, Eric Moore, & Jerry Hutchinson	3/10/2025
Grant	Williamstown Regional WRF	Mark Miller & Dave Henson	6/4/2025

Each system identified the top three priority needs in the following categories: Infrastructure Development, Operations/Management, and Planning.

Infrastructure Development: The Infrastructure Development Needs Assessment identifies the physical infrastructure development needs and priorities for wastewater systems.

Operations/Management: The Operations/Management Needs Assessment identifies the operational and management capacity needs and priorities for wastewater systems.

Planning: The Planning Needs Assessment identifies the priority planning, research, study, and infrastructure analysis needs for the wastewater system.

The top priority needs identified by each system were tabulated to identify the needs with the highest occurrences across the region. The three needs with the highest occurrences in each category were selected for the regional goals and objectives. The NKADD Regional Water Management Council approved the Regional Wastewater Goals and Objectives during the quarterly meeting on [date].

Wastewater Infrastructure Development Needs Assessment

The following recommended goals were outlined on the Wastewater Needs Assessment Form for Infrastructure Development. Additional needs identified during the needs assessments that were not listed on the form are listed below as well.

- | | |
|---|---|
| <input type="checkbox"/> Economic Development | Expand wastewater system to accommodate new business/industry within the region. |
| <input type="checkbox"/> Extension of Services to Unserved Areas | Develop wastewater infrastructure to serve populations that are currently not being served in the region. |
| <input type="checkbox"/> Improve Security Risk | Improve the security of wastewater systems in the region to reduce terrorist threat. |
| <input checked="" type="checkbox"/> Meet Regulatory Requirements | Achieve and maintain compliance with Division of Water and other wastewater system regulating entities. |
| <input type="checkbox"/> Regionalization | Increase cooperating with wastewater systems in the region to improve efficiency and reduce costs. |
| <input checked="" type="checkbox"/> Repair/Replace Existing Infrastructure | Repair damages in the existing wastewater infrastructure and replace aging infrastructure in the region. |
| <input checked="" type="checkbox"/> Reduce Inflow and Infiltration | Eliminate sources of inflow and infiltration in the system during wet weather events. |
| <input type="checkbox"/> Public Health & Water Quality | Eliminate sanitary sewer overflows, bypasses, and other sources of wastewater contamination. |
| <input type="checkbox"/> Storm Water | Develop stormwater infrastructure to manage wet weather events and improve water quality. |
| <input type="checkbox"/> Other | [List Other Needs] |

Based on the Wastewater Needs Assessment Form responses collected from the wastewater systems, the following Infrastructure Development Needs were identified for wastewater systems in the NKADD Regional Water Management Planning Area.

The highest occurring needs included:

- 1) Repair/Replace Existing Infrastructure
- 2) Reduce Inflow and Infiltration
- 3) Meet Regulatory Requirements

Other needs included:

- Extension of Services to Unserved Areas
- Public Health & Water Quality
- Economic Development

Planning Unit	System Name	Economic	Extension	Security	Regulatory	Regional	Replace	I&I	Health/Water	Storm	Other
Pendleton	Butler Sewer Department				1		1	1			
Carroll	Carrollton Utilities	1	1					1			
Grant	Corinth Sewer Department										
Grant	Dry Ridge Sewer Department						1				
Pendleton	Falmouth STP				1		1	1			
Boone	Florence Water and Sewer Commission										
Grant	Grant County Sanitary Sewer				1		1	1			
Kenton/Campbell	Sanitation District #1		1		1		1				
Boone	Walton Wastewater System		1				1	1			
Gallatin	Warsaw Wastewater System						1	1	1		
Grant	Williamstown Regional WRF						1	1			
Total		1	3	0	4	0	8	7	1	0	0

Wastewater Management/Operations Needs Assessment

The following recommended goals were outlined on the Wastewater Needs Assessment Form for Management and Operations. Additional needs identified during the needs assessments that were not listed on the form are listed below as well.

- | | |
|--|--|
| <input type="checkbox"/> Training | Provide sufficient training for operators, office staff, and utility management. |
| <input type="checkbox"/> Fiscal Management | Ensure effective management of system's financial resources, including revenue collection, budgeting, and expenditure. |
| ✓ Collection Operations | Implement efficient maintenance, repairs, and operations of the distribution and transmission system. |
| ✓ Treatment Operations | Implement efficient maintenance, repairs, and operations of the treatment plant. |
| <input type="checkbox"/> Emergency Operations | Improve response during emergency operations and/or natural disasters. |
| ✓ Compliance | Improve and maintain compliance with state and federal regulatory agencies. |
| <input type="checkbox"/> Reporting | Ensure accurate, efficient, and timely submission of reporting and documentation to regulatory agencies. |
| <input type="checkbox"/> Mapping | Collect and maintain mapping for infrastructure components in the distribution, transmission, and treatment systems. |
| <input type="checkbox"/> SSes/CMOM | Develop and implement action items from a SSes/CMOM to reduce Inflow and Infiltration and improve operations. |
| <input type="checkbox"/> Operator Retention | Retain a sufficient number of operators to operate and maintain collection and treatment systems. |
| <input type="checkbox"/> Other | [List Other Needs] |

Based on the Wastewater Needs Assessment Form responses collected from the wastewater systems, the following Management and Operations Needs were identified for wastewater systems in the NKADD Regional Water Management Planning Area.

The highest occurring needs included:

- 1) Treatment Operations and Compliance
- 2) Collection Operations

Other needs included:

- Training
- Mapping

Planning Unit	System Name	Training	Fiscal Management	Collection Operations	Treatment Operations	Emergency Operations	Compliance	Reporting	Mapping	SSES/CMOM	Operator Retention	Other
Pendleton	Butler Sewer Department			1	1		1					
Carroll	Carrollton Utilities	1								1		
Grant	Corinth Sewer Department											
Grant	Dry Ridge Sewer Department				1							
Pendleton	Falmouth STP			1	1		1					
Boone	Florence Water and Sewer Commission											
Grant	Grant County Sanitary Sewer			1	1		1					
Kenton/Campbell	Sanitation District #1		1									
Boone	Walton Wastewater System	1				1			1			
Gallatin	Warsaw Wastewater System	1					1		1			
Grant	Williamstown Regional WRF			1	1		1					
Total		3	1	4	5	1	5	0	2	1	0	0

Wastewater Planning Needs Assessment

The following recommended goals were outlined on the Wastewater Needs Assessment Form for Planning. Additional needs identified during system visits that were not listed on the form are listed below as well.

- | | |
|---|---|
| <input checked="" type="checkbox"/> Project Development, Prioritization, & Funding | Develop capital improvement plan to identify projects, scopes of work, estimated budgets, schedules, and potential funding sources. |
| <input checked="" type="checkbox"/> Asset Management & Mapping | Develop and/or maintain an asset inventory of physical components in the system along with mapping. |
| <input type="checkbox"/> Regional (201) Facility Plan | Develop/Update Regional Facility Plan to provide direction and focus for the future of the utility for a new WWTP construction project, expanding the capacity of the WWTP, and/or expanding the population served. |
| <input type="checkbox"/> Emergency Response Planning | Develop plans and protocols for response during emergencies and natural disasters. |
| <input checked="" type="checkbox"/> Growth & Development | Forecast capacity and treatment demands for potential economic and residential growth in the service area. |
| <input type="checkbox"/> Overall Coordination | Coordinate planning activities with other local and regional stakeholders. |
| <input type="checkbox"/> Other | [List Other Needs] |

Based on the Wastewater Needs Assessment Form responses collected from the wastewater systems, the following Planning Needs were identified for wastewater systems in the NKADD Regional Water Management Planning Area.

The highest occurring needs included:

- 1) Growth & Development
- 2) Project Development, Prioritization, & Funding
- 3) Asset Management & Mapping

Other needs included:

- Regional (201) Facility Plan
- Overall Coordination
- Emergency Response Planning

Planning Unit	System Name	Project Development	Asset Management	201 Facility Plan	Emergency Response Plan	Growth & Development	Overall Coordination	Other
Pendleton	Butler Sewer Department	1		1		1		
Carroll	Carrollton Utilities		1			1		
Grant	Corinth Sewer Department							
Grant	Dry Ridge Sewer Department			1				
Pendleton	Falmouth STP	1	1			1		
Boone	Florence Water and Sewer Commission							
Grant	Grant County Sanitary Sewer					1	1	
Kenton/Campbell	Sanitation District #1	1	1			1		
Boone	Walton Wastewater System	1				1	1	
Gallatin	Warsaw Wastewater System	1	1		1			
Grant	Williamstown Regional WRF					1		
Total		5	4	2	1	7	2	0

Wastewater Goals and Objectives

The NKADD Regional Water Management Council has identified 9 goals for Wastewater Management Planning in the Region. These goals and objectives outline the Region's priorities for planning, project development, funding, management, and operations, providing a structured approach to enhance wastewater management within the region.

Infrastructure Development Goal(s) and Objectives

GOALS	EXAMPLE OBJECTIVES
Meet Regulatory Requirements Achieve and maintain compliance with Division of Water and other wastewater system regulating entities.	<ul style="list-style-type: none"> • Address Agreed Order/Consent Decree • Enhance Operational Transparency and Accountability • Ensure compliance and protect health and safety
Repair/Replace Existing Infrastructure Repair damages in the existing wastewater infrastructure and replace aging infrastructure in the region.	<ul style="list-style-type: none"> • Repair/Replace Collection Infrastructure • Upgrade Collection Infrastructure • Upgrade WWTP
Reduce Inflow and Infiltration Eliminate sources of inflow and infiltration in the system during wet weather events.	<ul style="list-style-type: none"> • Rehab/Replace Collection Infrastructure • Sewer Line / Manhole Lining • Best Practices for Inflow and Infiltration

Goal 1:	Repair/Replace Existing Infrastructure: Repair damages in the existing wastewater infrastructure and replace aging infrastructure in the region.
Objective 1.1	Repair/Replace collection infrastructure including lift stations and sewer lines.
Objective 1.2	Upgrade collection infrastructure including lift stations.
Objective 1.3	Upgrade/Expand wastewater treatment plants.

Goal 2:	Reduce Inflow and Infiltration: Eliminate sources of inflow and infiltration in the system during wet weather events.
Objective 2.1	Rehab/Replace collection infrastructure to reduce inflow and infiltration.
Objective 2.2	Rehab/Replace manholes and sewer lines with linings to reduce inflow and infiltration.
Objective 2.3	Determine best practices for reducing inflow and infiltration.

Goal 3:	Meet Regulatory Requirements: Achieve and maintain compliance with Division of Water and other wastewater system regulating entities.
Objective 3.1	Address Agreed Order/Consent Decrees to resolve compliance issues and meet regulatory requirements.
Objective 3.2	Develop and implement a plan to increase transparency and accountability.
Objective 3.3	Develop, implement, and maintain monitoring and training programs to meet or exceed regulatory standards.

Management/Operations Goal(s) and Objectives

GOALS	EXAMPLE OBJECTIVES
Collection Operations Implement efficient maintenance, repairs, and operations of the distribution and transmission system.	<ul style="list-style-type: none"> • Repair/Replace Collection System Assets • Upgrade Collection System Assets
Treatment Operations Implement efficient maintenance, repairs, and operations of the treatment plant.	<ul style="list-style-type: none"> • Repair/Replace WWTP • Upgrade WWTP
Compliance Improve and maintain compliance with state and federal regulatory agencies.	<ul style="list-style-type: none"> • Improve Compliance

Goal 4:	Compliance: Improve and maintain compliance with state and federal regulatory agencies.
Objective 4.1	Develop, implement, and maintain monitoring and training programs to meet or exceed regulatory standards.

Goal 5:	Treatment Operations: Implement efficient maintenance, repairs, and operations of the treatment plant.
Objective 5.1	Repair/Replace assets within the WWTP including lagoons, pumps, valves, etc.
Objective 5.2	Upgrade WWTP including the electrical system, etc.

Goal 6:	Collection Operations: Implement efficient maintenance, repairs, and operations of the distribution and transmission system.
Objective 6.1	Repair/Replace collection system assets including pump stations and sewer lines.
Objective 6.2	Upgrade collection system assets including pump stations and sewer lines.

Planning Goal(s) and Objectives

GOALS	EXAMPLE OBJECTIVES
Project Development, Prioritization, & Funding Develop capital improvement plan to identify projects, scopes of work, estimated budgets, schedules, and potential funding sources.	<ul style="list-style-type: none"> • Capital Improvement Plan • Potential Funding Sources • Project Development • Project Funding Applications
Asset Management & Mapping Develop and/or maintain an asset inventory of physical components in the system along with mapping.	<ul style="list-style-type: none"> • Asset Management Plan • Best Practices • Training
Growth & Development Forecast capacity and treatment demands for potential economic and residential growth in the service area.	<ul style="list-style-type: none"> • Strategic Plan • Growth Projections • Projected Developments • Determine Current Capacity of System

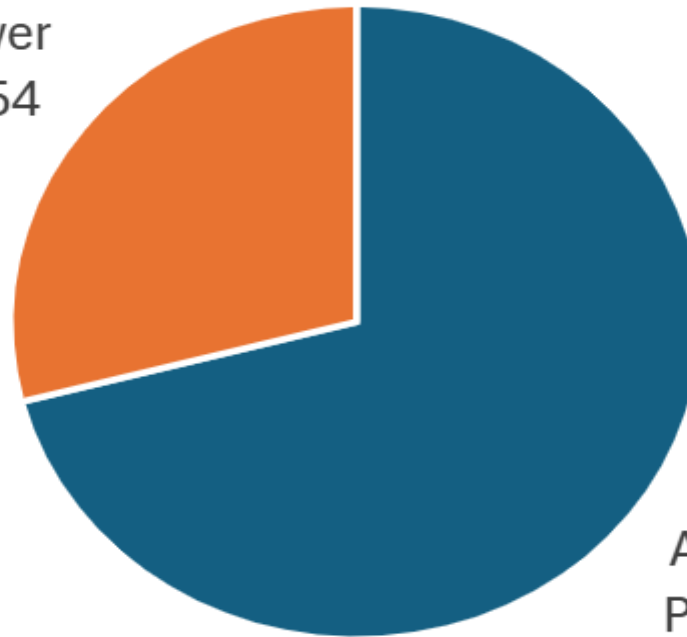
Goal 7:	Growth & Development: Forecast capacity and treatment demands for potential economic and residential growth in the service area.
Objective 7.1	Develop and maintain a Strategic Plan to prepare for projected developments, projects, and growth.
Objective 7.2	Develop a list of projected developments and projects.
Objective 7.3	Determine growth projections for the wastewater service area.
Objective 7.4	Determine the current capacity of the wastewater system to determine if there is currently room for growth.

Goal 8:	Project Development, Prioritization, & Funding: Develop capital improvement plan to identify projects, scopes of work, estimated budgets, schedules, and potential funding sources.
Objective 8.1	Develop, implement, and maintain a capital improvement plan that aligns to the strategic plan.
Objective 8.2	Develop a list of funding sources for water projects including requirements for each funding source.
Objective 8.3	Increase the number of projects developed.
Objective 8.4	Increase the number of projects submitted for funding.

Goal 9:	Asset Management & Mapping: Develop and/or maintain an asset inventory of physical components in the system along with mapping.
Objective 9.1	Develop, implement, and maintain an asset management plan to improve decision-making and risk management including by creating and maintaining a mapped asset inventory.
Objective 9.2	Develop a list of best practices for asset management.
Objective 9.3	Develop and implement or obtain asset management training.

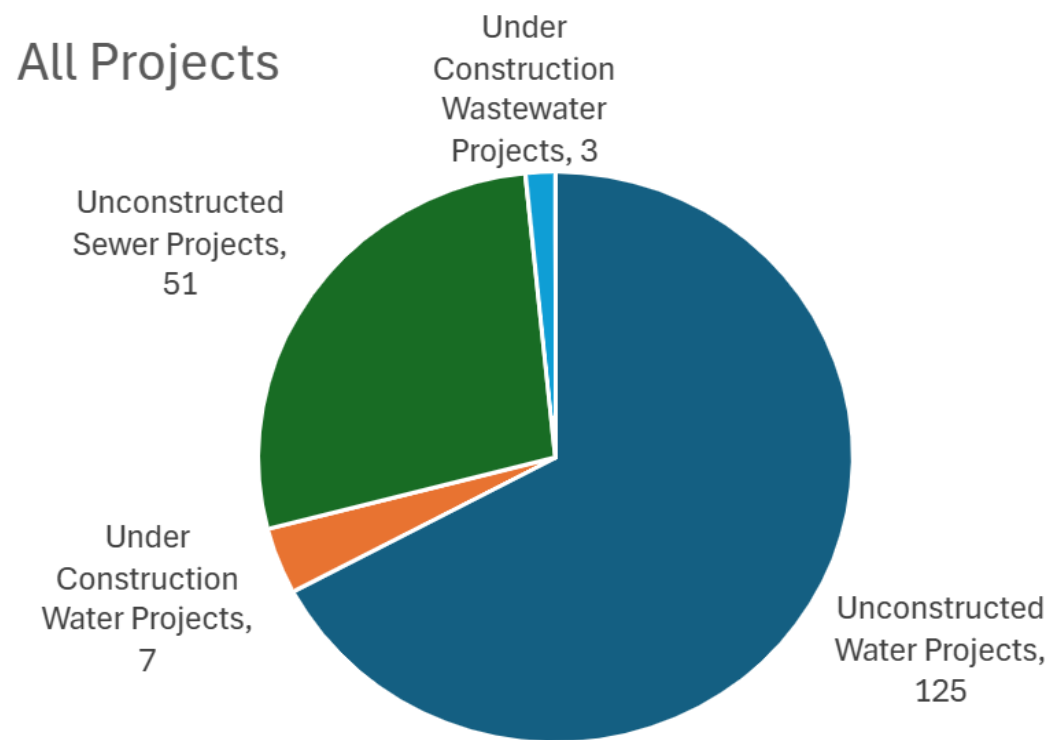
Active Projects

Active Sewer
Projects, 54



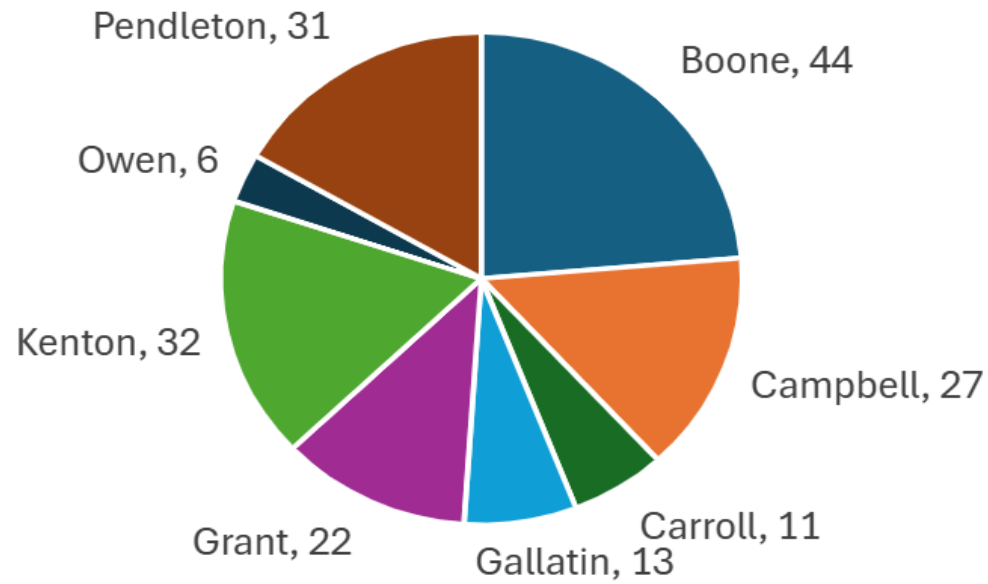
Active Water
Projects, 132

Active Projects	Number	Percentage
Active Water Projects	132	70.97%
Active Sewer Projects	54	29.03%
Total	186	



All Projects	Number	Percentage
Unconstructed Water Projects	125	67.20%
Under Construction Water Projects	7	3.76%
Unconstructed Sewer Projects	51	27.42%
Under Construction Wastewater Projects	3	1.61%

Active Projects by County



Active Projects by County	Number	Dollars
Boone	44	\$137,766,271
Campbell	27	\$210,463,019
Carroll	11	\$16,091,418
Gallatin	13	\$28,132,515
Grant	22	\$38,843,639
Kenton	32	\$538,478,152
Owen	6	\$5,817,056
Pendleton	31	\$74,424,086
Total	186	\$1,050,016,156

Needed Funding



Needed Funding	Dollars	Percentage
Needed Water Funding	\$528,829,505	50.36%
Needed Sewer Funding	\$521,186,651	49.64%
Total	\$1,050,016,156	

SRF FY2027 Call for Project Lists

Water Call for SRF Project List (Safe Drinking Water Act)									
County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Requested Cost	Households	House	Senate
Boone	WX21015035	South Water Main Connection to NKWD	City of Walton	<ul style="list-style-type: none"> - Project connects the City of Walton's water system to the Northern Kentucky Water District (NKWD). - Key activities: <ul style="list-style-type: none"> - Install 850 LF of 12-inch water main - Install a new master meter - Construct a 250 GPM water booster pump station 	\$1,008,000	\$1,008,000	2,074	6178	20
Pendleton	WX21191025	Water Storage Tanks and Treatment Plant	City of Falmouth	<ul style="list-style-type: none"> - The 2023 storage tank inspection revealed the clear well tank at the water plant requires repairs and painting. - The city plans to upgrade the electrical system at the water treatment plant, as the current grid is over 40 years old. - Repairs or replacement of the lamella settling basin, in service since 1986 and needing attention within 5 years, are also proposed. - Funds will be allocated to replace or repair the raw water check valve to prevent backflow, ensuring pump protection and potable water safety. 	\$1,236,000	\$1,236,000	1,198	78	24
Pendleton	WX21037007	Campbell County Waterline Extension	Pendleton County Water District	<ul style="list-style-type: none"> - Construction of 6.4 miles of 6 inch and 4 inch water line to serve 75 new customers in Campbell County. 	\$1,405,000	\$1,405,000	75	78	24
Pendleton	WX21191027	Cast Iron Line Replacement to Kincaid Lake	East Pendleton Water District	<ul style="list-style-type: none"> - Replace 6" cast iron line from Falmouth to Kincaid Lake with: <ul style="list-style-type: none"> - 8" PVC DR18 C900 and 8" SDR17 PVC as needed - Upgrade Pump Stations #1 and #2 on Hwy 159, including: 	\$3,299,000	\$3,299,000	158	78	24

Water Call for SRF Project List (Safe Drinking Water Act)									
County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Requested Cost	Households	House	Senate
				<ul style="list-style-type: none"> - Complete replacement of buildings, pumps, motors, and SCADA system - Add generator with auto transfer switch at each location 					
Pendleton	WX21191026	Galvanized Main Replacement	City of Falmouth	The proposed project would include the replacement of approx. 4,834.55' of water main. These mains serve the city limits of Falmouth. They are made of 2' galvanized pipe and were installed in the 1940's.	\$0		1,198	78	24
Kenton	WX21117020	NKWD F26 Lead Service Line Replacement Project	Northern Kentucky Water District	<ul style="list-style-type: none"> - Project Overview: Lead service line replacement in low-income communities. - Lead Service Lines: <ul style="list-style-type: none"> - 1,761 full lead service lines (both utility and private). - 3,627 partial lead service lines (either utility or private). - Funding Request: Requesting \$54 million from the 2026 DWSRF, with 70% as principal forgiveness. 	\$54,000,000	\$54,000,000	5,388	63 64 65 67	23 24
Kenton	WX21117021	Latonia Phase 2 Water Main and Full Lead Service Line Replacement	Northern Kentucky Water District	<ul style="list-style-type: none"> - Project focuses on water main and lead service line replacement in disadvantaged Covington communities. - Target areas have a median household income below \$60,183 and rank at the 80th percentile or higher on at least one socioeconomic indicator. - Approximately 11,780 feet of unlined cast iron water mains will be replaced, impacting 373 households. - Estimated 300 lead service lines will also be replaced. 	\$8,500,000	\$7,500,000	373	64 65	23
Campbell	WX21117022	Covington & Dayton Water Main and Full	Northern Kentucky	- Water main and lead service line replacement in disadvantaged communities in Covington	\$9,600,000	\$8,185,000	418	65 67	23 24

Water Call for SRF Project List (Safe Drinking Water Act)									
County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Requested Cost	Households	House	Senate
		Lead Service Line Replace	Water District	<ul style="list-style-type: none"> - Target Communities: Median household income below \$60,183; 80th percentile or higher on at least 1 socioeconomic indicator (per EPA) - Scope of Work: <ul style="list-style-type: none"> - Replace 13,860 feet of unlined cast iron water mains - Affect 437 households - Replace approximately 312 lead service lines 					
Kenton	WX21117023	Covington Eastside Water Main and Full Lead Service Line Replace	Northern Kentucky Water District	<ul style="list-style-type: none"> - Project aims to replace water mains and lead service lines in disadvantaged communities in Covington. - Target areas have a median household income below \$60,183 and rank at least 80th percentile in one socioeconomic indicator per the EPA. - About 8,455 feet of unlined cast iron water mains will be replaced, affecting 417 households. - Estimated 314 lead service lines will also be replaced. 	\$7,100,000	\$6,140,000	417	64 65	23 24
Gallatin	WX21077012	Gallatin County Regional Airport Water Main Extension	Gallatin County Water District	<ul style="list-style-type: none"> - New regional airport in Gallatin County - Extension of an 8" water main by approximately 6,500 LF - Purpose: Provide water service to the airport and nearby areas - Elimination of dead ends in the distribution system - Improvement of water quality for: <ul style="list-style-type: none"> - 36 households - 2 businesses - 1 emergency connection - Enhanced reliability during emergencies 	\$882,800	\$882,800	52	61	20
Grant	WX21081022	Bullock Pen Water Treatment Plant	Bullock Pen Water District	<ul style="list-style-type: none"> - Project Overview: 	\$16,297,000	\$15,992,536	15	61	17 20

Water Call for SRF Project List (Safe Drinking Water Act)									
County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Requested Cost	Households	House	Senate
		Replacement-Design and Const.		<ul style="list-style-type: none"> - Engineering design including architectural, geotechnical, surveying, environmental, and archaeological assessments. - Development of a 2.0 MGD Water Treatment Plant (WTP) to replace the outdated 1.1 MGD plant from 1961. - New Facilities: <ul style="list-style-type: none"> - Replacement of water intake and pumps with energy-efficient Variable Frequency Drives (VFDs). - Proposed WTP location near existing infrastructure. - Distribution System Improvements: <ul style="list-style-type: none"> - Waterline extensions to unserved areas and replacement of a damaged asbestos cement line. - New water storage tank and mixing systems for existing tanks. - Additional Components: <ul style="list-style-type: none"> - Installation of Master Meter (AMR), SCADA, security measures, and two generators. - Removal of one WTP pump. - Contaminant Management: <ul style="list-style-type: none"> - Inclusion of Granular Activated Carbon (GAC) for PFAS removal and addressing emerging contaminants. 					
Gallatin	WX21077011	US-42 Water Main Extension	Gallatin County Water District	<ul style="list-style-type: none"> - Project involves the extension of approximately 3,150 linear feet (LF) of water main. - Purpose: to provide potable water service to six households. - Current situation: Households are dependent on wells and/or hauling water to meet their needs. 	\$302,275	\$302,275	6	61	20
Gallatin	WX21077013	Warsaw Tank Repainting	City of Warsaw	<ul style="list-style-type: none"> - The project addresses deficiencies found in recent tank inspections. 	\$835,000	\$835,000	901	61	20

Water Call for SRF Project List (Safe Drinking Water Act)									
County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Requested Cost	Households	House	Senate
				<ul style="list-style-type: none"> - The City of Warsaw has three storage facilities: Firehouse, High School, and WTP. - Each tank will be taken offline one at a time for repairs and coating updates. 					
Owen	WX21187002	Owen County Unserved Areas	Owen County Fiscal Court	<p>The project aims to extend new water mains to unserved areas, including:</p> <ul style="list-style-type: none"> - 35,600 linear feet of 4-inch water mains - 22,900 linear feet of 6-inch water mains - Serving approximately 55 unserved users - Adding hydraulic loops for redundancy in the existing potable water system - Extensions on Cull Road and Red Oak Road 	\$1,655,448	\$1,655,448	44	47	20
Owen	WX21187006	KY1316 Water Main Extension	Owen County Fiscal Court	<ul style="list-style-type: none"> - Extend about 21,700 3" waterline down KY 1316 to pick up unserved households - Replacing about 3,000 linear feet of waterline to 3" waterline from the existing 2" waterline. 	\$1,150,923	\$1,150,923	18	47	20
Pendleton	WX21191022	Pendleton County Regional Water Treatment Plant	East Pendleton County Water District	<ul style="list-style-type: none"> - New 2.0 MGD water treatment plant with intake and pumping upgrades - Plant will treat emerging contaminants like PFAS using GAC 	\$21,602,000	\$1,156,000	4,861	78	24
				Total	\$128,873,446	\$104,747,982			

Wastewater Call for SRF Project List (Clean Water Act)									
County	Project Number (WRIS)	Project Name	Entity	Description	Estimated Cost	Requested Cost	Households	House	Senate
Boone	SX21015011	Mullen Sewage Lift Station Upgrade & Force Main Extension Project	City of Walton	<ul style="list-style-type: none"> - Upgrade of Mullen Drive Lift Station, rated at 222 GPM and 65 feet of head. - Extend 6-inch sewer force main approximately 6,500 LF to an existing manhole and a new sewage lift station replacing a package treatment plant. - Install variable frequency drives (VFDs) at Walton Towne-Center Lift Station. 	\$1,147,000	\$1,147,000	1,882	78	20
Boone	SX21015018	WWTP No. 1 Expansion - Plant D	City of Walton	<ul style="list-style-type: none"> - Expansion of the existing Wastewater Treatment Plant No. 1 - New 0.450 MGD Extended Aeration System - New 313 GPM raw sewage lift station - New waste activated sludge lift station - Increase design capacity to 1.3 MGD 	\$7,768,000	\$7,768,000	2,058	78	20
Pendleton	SX21191017	Inflow and Infiltration Project	City of Falmouth	<ul style="list-style-type: none"> - The City entered into an Agreed Order with KDOW regarding NOV's in their collection system. - SSOs are due to excessive Inflow and Infiltration (I/I). <p>Project goals to reduce I/I include:</p> <ul style="list-style-type: none"> - Rehab/repair/replacement of approximately 32,731 LF of gravity sewer. - CCTV inspection of 30,054 LF of gravity sewer. - Rehab/replacement of 119 manholes. - Rehab work based on SSES investigations. - Reduced I/I will lower energy consumption and costs at pump stations and the treatment plant. 	\$6,287,320	\$6,287,320	957	78	20
Pendleton	SX21191018	Butler, KY - Wastewater Collection and	City of Butler	<ul style="list-style-type: none"> - Project Overview: - The City of Butler will address wastewater compliance issues due to I&I and aging 	\$1,736,700	\$1,736,700	322	78	20

		Treatment Improvements		<p>infrastructure, following violations and an agreed order with DOW.</p> <ul style="list-style-type: none"> - Collection System Improvements: <ul style="list-style-type: none"> - Assess existing collection system to identify repair areas. - Use cameras for assessment; clean and repair sewer lines as needed. - Majority of repairs will use cured in place pipe lining (CIPP). - Additional work includes lateral repairs, removal of stormwater connections, and manhole improvements. - Wastewater Treatment Plant (WWTP) Improvements: <ul style="list-style-type: none"> - Identify necessary repairs at the existing plant, including: <ul style="list-style-type: none"> - New chemical feed building and equipment. - Cleaning of treatment units. - Structural repairs and painting of tanks and piping. - Electrical improvements and new access drive for chemical delivery. 					
Kenton	SX21117022	Licking River Tunnel Solution	Sanitation District #1 of Northern Kentucky	<ul style="list-style-type: none"> - Improve combined sewer overflow (CSO) management - Tunnel Details: <ul style="list-style-type: none"> - Diameter: 12 ft - Length: 11,300 LF - Route: 4th Street, Newport to James Avenue, Covington - Infrastructure: <ul style="list-style-type: none"> - Five drop shafts - Single 10 MGD dewatering pump station at Randolph Park Urban Orchard 	\$215,974,078	\$20,000,000	21,775	64 65 67	23 24

Grant	SX21081003	Wastewater Treatment Plant Upgrade	Grant County Sanitary Sewer District	<ul style="list-style-type: none"> - Construct a 450,000 GPD sequencing batch reactor (SBR) for biological treatment. - Convert one package treatment basin into pre and post equalization basins. - Convert another basin into a 60,000-gallon aerobic digester. - Install pumping systems for equalization basins. - Upgrade electrical and instrumentation systems with standby power. - Reuse two package treatment basins; demolish two. - Build a solids dewatering system. - Add new chlorine contact and post aeration basins. - Include a new screening system. - Upgrade existing KY 491 Pump Station. - Complete a Facility Plan for the project. 	\$9,111,520	\$8,807,520	1,525	61	17
Gallatin	SX21077009	Gallatin County Industrial Park & Airport Sanitary Sewer	Carrollton Utilities	<ul style="list-style-type: none"> - Project: Sanitary sewer design and construction for an industrial park and regional airport - Location: 3,500 ft south of Exit 55 of I-71 - Capacity: 50,000 gallons per day - Components: <ul style="list-style-type: none"> - 3,200 ft gravity sewer - 8 precast manholes - 1 lift station - 600 ft force main sewer 	\$852,950	\$852,950	3,733	61	20
				Total	\$242,877,568	\$46,599,490			

New Project Profile Steps

1

Start with a Blank Project Profile Pre-Application (Updated Yearly).

2

Complete as much of the Project Profile Pre-Application as Possible.

3

Send the Project Profile and Project Mapping to the NKADD Water Coordinator.

4

NKADD Water Coordinator will Add the Project and the Project Mapping to WRIS.

5

NKADD Water Coordinator will send back a Project Number and ask for missing information.

6

Project Profile will go before NKY WMC next Quarterly Meeting.