

# Kentucky Infrastructure Authority



# Fund Infrastructure Projects

## Facilitate Water and Wastewater Planning



# System Planning

## Regional Planning

## Long Term Planning



# Regional Water Management Councils

- In place across Kentucky and conform to KY's 15 area development districts
- Comprised of a group of elected and appointed leaders, utility representatives, health department representatives and citizens at large



# Planning Elements:

Goal Setting

Objectives and Strategies

Alternatives Analysis

Financial Strategy



# Planning Benefits:

Minimizing cost

Maximizing results of investments

Improving the ability to analyze alternatives

Greater community support for utility

Ensuring financial and revenue strategies are adequate



# DRINKING WATER AND WASTEWATER PRIORITIZATION

Establish Planning Areas

Identify Needs in the Planning Area

Rank Projects Based on Identified Needs

Funding



# Water Resource Information System (WRIS)





# Proposed Infrastructure

## Existing Infrastructure

### System Information





About Us

Loan Programs

WRIS

Internet Mapping

Geospatial Data

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System Data

Project Profile Data

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Water Management Planners

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ADD WMP Resources

ADD GIS Resources

Legislation & Regulations

News & Events

Contact Person

Rusty Anderson  
502-573-0260 x239  
[E-mail](#)

Reload < Use this button to reload the last saved version of this page.

WRIS User Login: User Name: Password: Login

WRIS Project Data

Search the WRIS for drinking water or waste water projects by entering any combination of the following fields:

Regulatory Framework: Safe Drinking Water Act (Water) View Map

Area Development District: Lake Cumberland

Legislative District:

Planning Unit:

Primary County:

Project Status:

Funding Source:

Funding Status:

Applicant:

Project Administrator\*:

Project Engineer\*:

Project Engineering Firm\*:

Project Number\*\*:

DOW Permit ID\*\*:

Project Title\*\*:

Clear Query

Submit Query

\* Indicates that an Area Development District or Applicant be specified for the selection list to be populated.

\*\* Indicates a fuzzy search will be performed on these fields.

Legislative District Options

District Type:	Sort Option:
<input checked="" type="radio"/> Kentucky House	<input checked="" type="radio"/> By District Number
<input type="radio"/> Kentucky Senate	<input type="radio"/> By Legislator
<input type="radio"/> Congressional	

[Download CWSRF Guidance Document](#)

[Download DWSRF Guidance Document](#)

[Download Clean Water Pre-Application Form](#)

[Download Drinking Water Pre-Application Form](#)

181 records found.

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PNUM	Applicant	Project Status	Funding Status	Schedule (yrs)	Project Cost	Project Title	Primary County	Profile Modified	GIS Modified
WX21001001	Adair County Water District	Approved	Not Funded	0-2 Years	\$4,100,000	Columbia/Adair Utilities District-Downtown Water System Improvem	Adair	03-01-2011	<a href="#">12-07-2010</a>
WX21001003	Adair County Water District	Pending	Not Funded	0-2 Years	\$1,400,000	North Central Adair Scattered Water Expansion	Adair	12-08-2004	



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## Drinking Water Project Profile:

[Download Report](#)

Project Number: **WX21001001** [View Map](#)  
Funding Status: **Not Funded**  
Project Status: **Approved**  
Project Schedule: **0-2 Years**  
E-ClearingHouse SAI: **KY201101270074**  
Legal Applicant: **Adair County Water District**  
Entity Type: **Water District (KRS 74)**  
Date Approved (AVMPC): **11-04-2010**

Submitted By: **LCADD**  
Primary County: **Adair**  
Planning Unit: **Adair**  
Multi-County Project: **NO**  
ECH Status: **Endorse With Condition**

- Narrative
- Applicant
- Administration
- Budget & Schedule
- Impacts
- Components
- Sustainable Infrastructure
- Audit
- Map

Project Title:  
COLUMBIA/ADAIR UTILITIES DISTRICT-DOWNTOWN WATER SYSTEM IMPROVEM

Project Description:  
DOWNTOWN WATER SYSTEM IMPROVEMENTS PHASE 2-PROJECT CONSISTS OF INSTALLING APPROXIMATELY 4,000 LF OF 12-INCH WATERLINE TO REPLACE EXISTING UNDERSIZED AND ASBESTOS-CEMENT WATERLINES IN THE LINDSEY WILSON AREA IN DOWNTOWN COLUMBIA; 10,000 LF OF 8-INCH WATERLINE TO REPLACE EXISTING UNDERSIZED AND ASBESTOS-CEMENT WATERLINES IN THE OSH KOSH AND HIGHWAY 61 SOUTH AREAS IN DOWNTOWN COLUMBIA; AND INSTALLING APPROXIMATELY 29,900 LF OF 6-INCH WATERLINE TO REPLACE EXISTING UNDERSIZED AND ASBESTOS-CEMENT WATERLINES IN THE HUDSON ST./FRAZIER AVE. AREA, IN THE KY HIGHWAY 61 SOUTH AREA, AND OSH KOSH AND LINDSEY WILSON AREAS. THE WATERLINE REPLACEMENTS WILL EFFECT APPROXIMATELY 1,200 EXISTING CUSTOMERS. OF THE 1,200 EXISTING CUSTOMERS, 380 EXISTING CUSTOMERS WILL HAVE THEIR EXISTING METERS REPLACED WITH RADIO READ METERS.

Need For Project:  
Briefly describe how this project promotes public health or achieves and/or maintains compliance with the Clean Water Act or Safe Drinking Water Act:  
THE PURPOSE OF THIS PROJECT IS TO REPLACE EXISTING WATERLINES IN THE DOWNTOWN, CITY OF COLUMBIA, AREA THAT ARE ASBESTOS-CEMENT (AC) LINED AND ARE UNDERSIZED. THE CITY, PRIOR TO THE MERGER WITH THE ADAIR COUNTY WATER DISTRICT, HAVE SOUGHT FOR FUNDING TO HAV

Project Alternatives:

**Contact Person**

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502-573-0260 x239  
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Legal Applicant: **Adair County Water District**  
Entity Type: **Water District (KRS 74)**  
Date Approved (AWMPC): **11-04-2010**

**Narrative** **Applicant** **Administration** **Budget & Schedule** **Impacts** **Components** **Sustainable Infrastructure** **Audit** **Map**

☐ Estimated Budget ☐ As-Bid Budget

**Project Cost Classification:**

Administrative Expenses:  
Legal Expenses: **\$30,000**  
Land, Appraisals, Easements:  
Relocation Expense & Payments:  
Planning:  
Engineering Fees - Design: **\$256,000**  
Engineering Fees - Construction:  
Engineering Fees - Inspection: **\$139,000**  
Engineering Fees - Other: **\$30,000**  
Construction: **\$3,314,300**  
Equipment:  
Miscellaneous:  
Contingencies: **\$330,700**  
**Total Project Cost: \$4,100,000**

**Construction Cost Categories:**

Treatment:  
Transmission and Distribution: **\$3,314,300**  
Source:  
Storage:  
Purchase of Systems:  
Restructuring:  
Land Acquisition:  
Non-Categorized :  
**Total Construction : \$3,314,300**

**Total Sustainability Costs:**

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

**Project Funding Sources:**

Total Project Cost: **\$4,100,000**  
Total Committed Funding:  
Funding Gap: **Not Funded**

Funding Source	Amount	Status	Applicable Date
Pending State Line Item	\$4,100,000	Anticipated	
RD Loan	\$2,100,000	Anticipated	
RD Grant	\$1,000,000	Anticipated	
CDBG	\$1,000,000	Anticipated	
<b>Total</b>	<b>\$8,200,000</b>		

**Detailed Project Schedule:**

Environmental Review Status:  
RD Approval Date:  
CDBG Approval Date:  
No Approval but Cross-Cutter Scoping Completed:  
Construction Permit App. Date:  
☐ Submitted ☐ Approved  
Estimated Bid Date:  
Estimated Construction Start Date:

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**WRIS Portal**

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**Kentucky**  
UNBROKEN SPIRIT

**Narrative** Applicant Administration & Schedule Impacts Components Infrastructure Audit Map

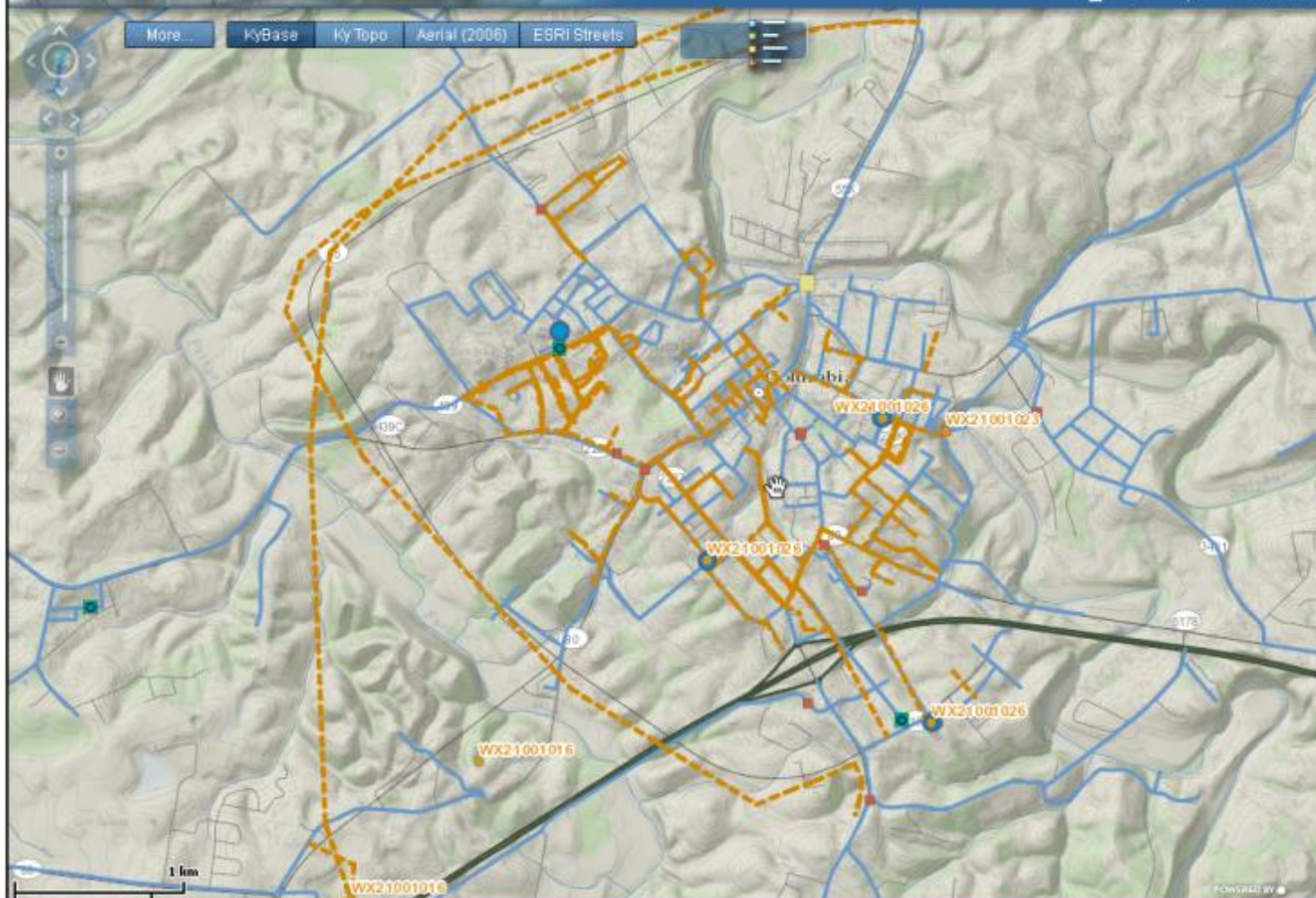
# Kentucky Water Mapping

## Kentucky Infrastructure Authority



Information

More... KyBase Ky Topo Aerial (2006) ESRI Streets





WRIS WX21001001 - Mozilla Firefox

File Edit View History Bookmarks Tools Help

← → ↺

wris.ky.gov/Portal/CwPrjData.aspx?PNUM=WX21001001

☆ - C Google

The New York Times - Microsoft SQL Server ... T-SQL Reference SysData PrjData Add Google Maps to y... Redistricting Data: 20... Kentucky TIGER APP Security

WRIS WX21001001 +

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Water Resource Information System

Kentucky  
UNBROKEN SPIRIT

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Kentucky Water Mapping

Kentucky Infrastructure Authority

More... KyBase Ky Topo Aerial (2006) ESRI Streets

COLUMBIA/ADAIR UTILITIES DISTRICT

PNUM: WX21001024

PWSID: KY0010702

SYS\_NAME: COLUMBIA/ADAIR UTILITIES DISTRICT

PURPOSE: DISTRIBUTION

SIZE: 6

TRANUSE: FINISHED

MATERIAL: PVC

OTHMATL:

ACTMITY: REHAB - REPLACE LEAD AND/OR ASBESTOS-CEMENT LINES

ADDNAME: LCADD

Zoom here

WX21001026

WX21001023

WX21001028

WX21001016

WX21001019

WX21001026

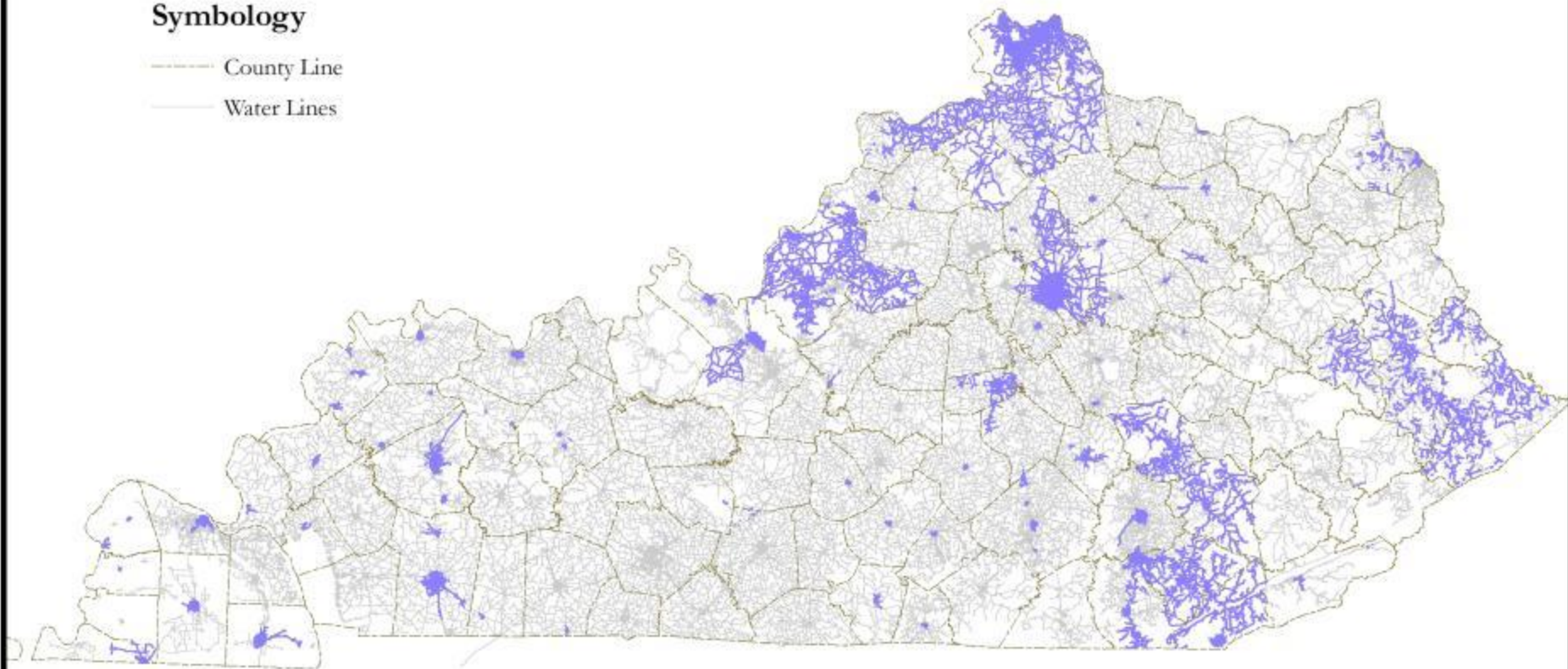
1 km

POWERED BY

# Water Lines built before 1950 or with Unknown constructed date

## Symbology

- County Line
- Water Lines

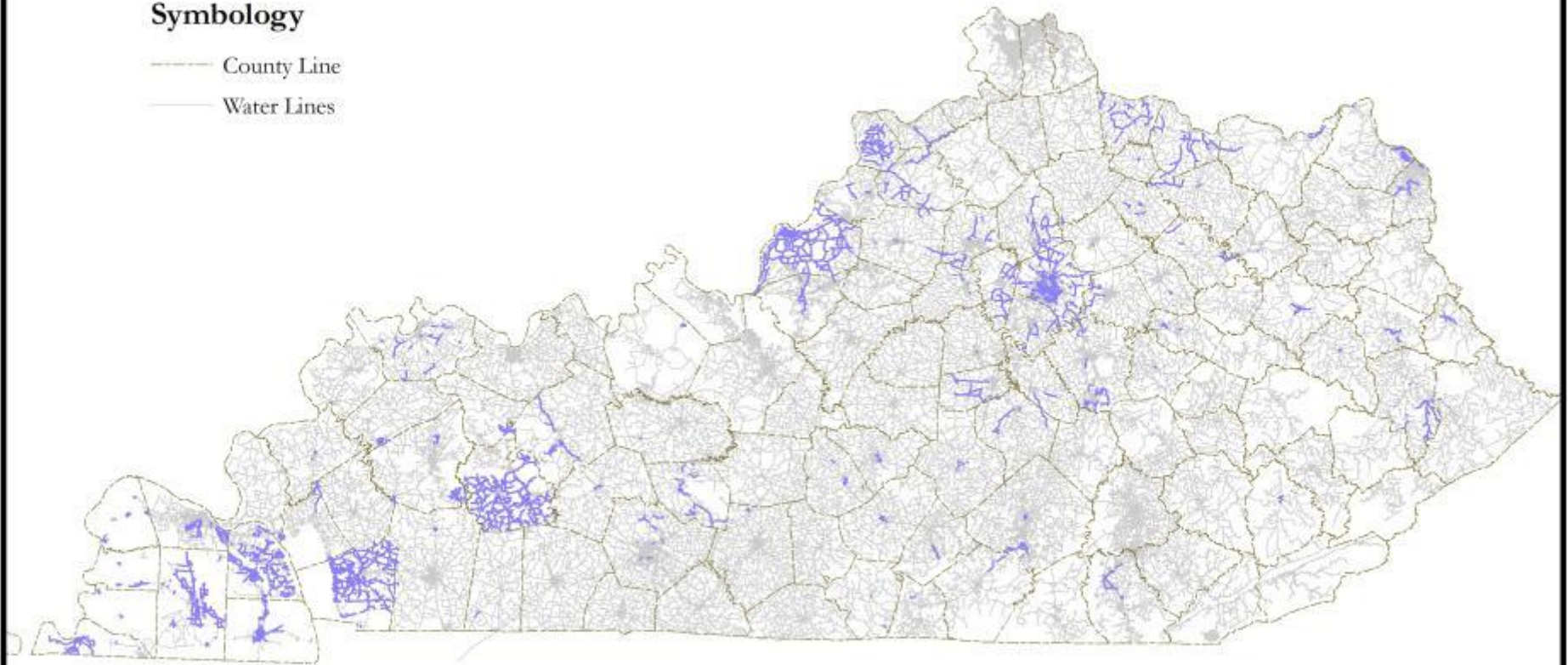




# Known Asbestos Cement Water Lines

## Symbology

- County Line
- Water Lines





# Projects Ranked by Area Water Management Councils

	<b>Project Cost</b>	<b>Committed Funding</b>	<b>Funding Gap</b>
<b>Drinking Water</b>	\$696,992,782	\$71,719,755	\$625,273,027
<b>Clean Water</b>	\$868,088,088	\$82,382,588	\$785,705,500



# Asset Management

Type of Infrastructure

Age of Infrastructure

Condition of Infrastructure



# KIA Loan Programs

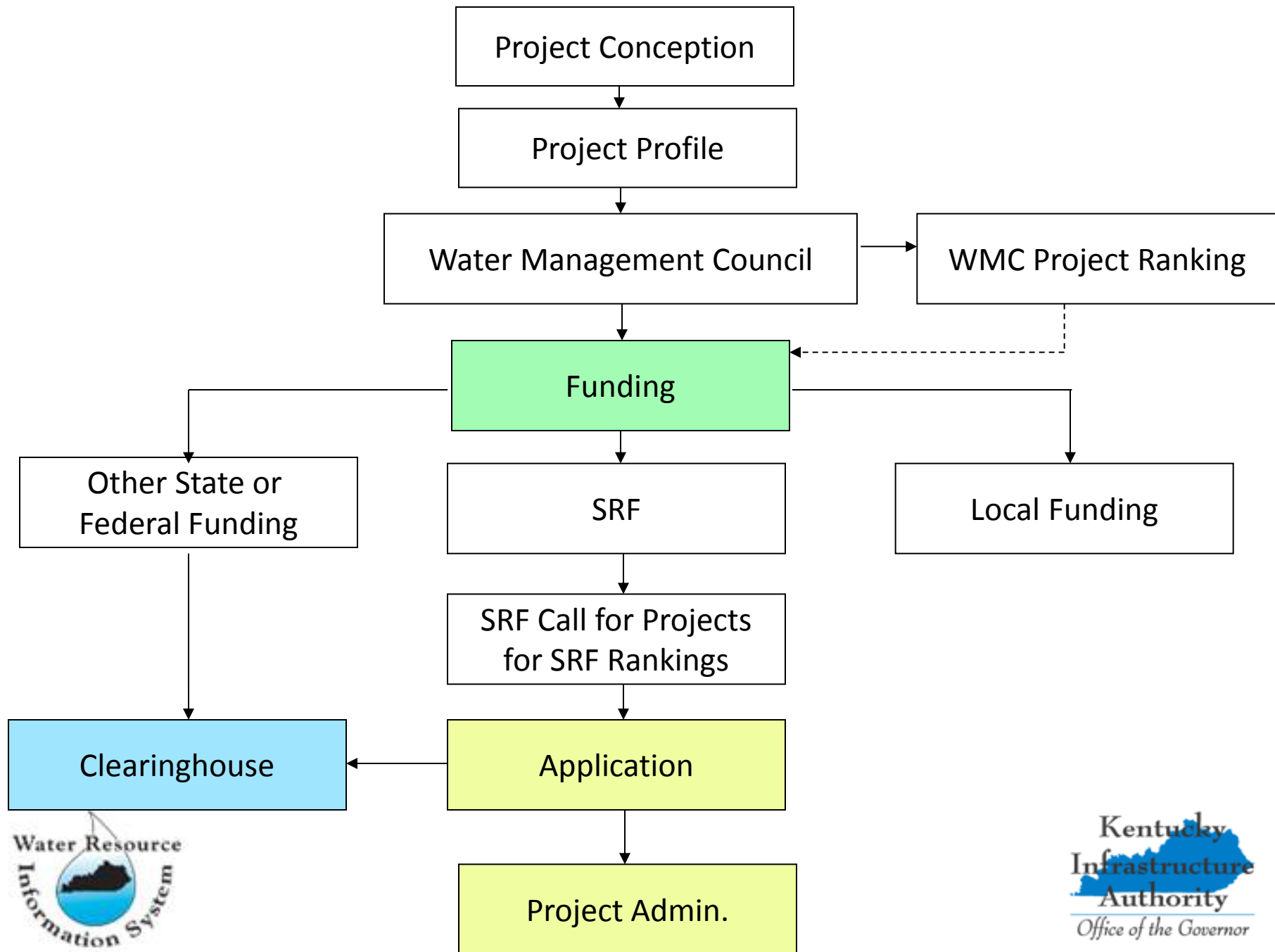
Clean Water State Revolving Fund (Fund A)

Drinking Water State Revolving Fund (Fund F)

Infrastructure Revolving Fund (Fund B)

Governmental Agencies Program (Fund C)





# KIA Loan Process

Get on the SRF Priority List during the Call for Projects each Fall

All loan applications are reviewed by KIA staff and approved by the KIA board

The KIA board normally meets the first Thursday of each month



# Fund A and Fund F

## Federally Funded Programs

### Fund A

- Clean Water State Revolving Fund
- Established in the Clean Water Act

### Fund F

- Drinking Water State Revolving Fund
- Established in the Safe Drinking Water Act



# Fund B and Fund C

State or KIA, funded programs

Limited funds

Simple process

Up to 30 year loan terms

Low interest rates



# Eligible Borrowers

Governmental Agency

City

County

Special District

For the CWSRF or DWSRF Programs, the project **MUST BE** listed on the SRF Priority List. (Different from Area Water Management Council Priority List)





# Current Interest Rates

Interest Rate set annually by the KIA Board

Fund A, B & F rates

Standard Rate is 2.75%

Non-Standard Rate (a) is 1.75% (Between MHI and 80% of MHI)

Non-Standard Rate (b) is 0.75% (Below 80% of MHI)

Criteria for Non-standard Rates based on:

MHI of Jurisdiction

MHI of service area

Regionalization

Orders or Judgments

Public Health or Safety Issues

Environmental Concerns

Fund C is 3.0%



# Repayment Period

CWSRF – 20 Years – Changing to 30 Years

DWSRF – 20 Years (may be 30 years if hardship community)

Fund B & C – Up to 30 Years

# Financing Expenses

CWSRF, Fund B & Fund C – 0.2% Servicing Fee

DWSRF – 0.25% Servicing Fee

Debt Service Reserve: None

Replacement Reserve: 2.5% of project amount funded  
over 10 years



# Available Funds

CWSRF 2015 Intended Use Plan - Fund A      \$95,868,200

DWSRF 2015 Intended Use Plan - Fund F      \$32,550,112

Fund B      \$3,696,068

Fund C      \$2,354,098

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**Total      \$134,468,478**



# Water Infrastructure in Kentucky

## A Success Story



# Planning

# Data

# Funding

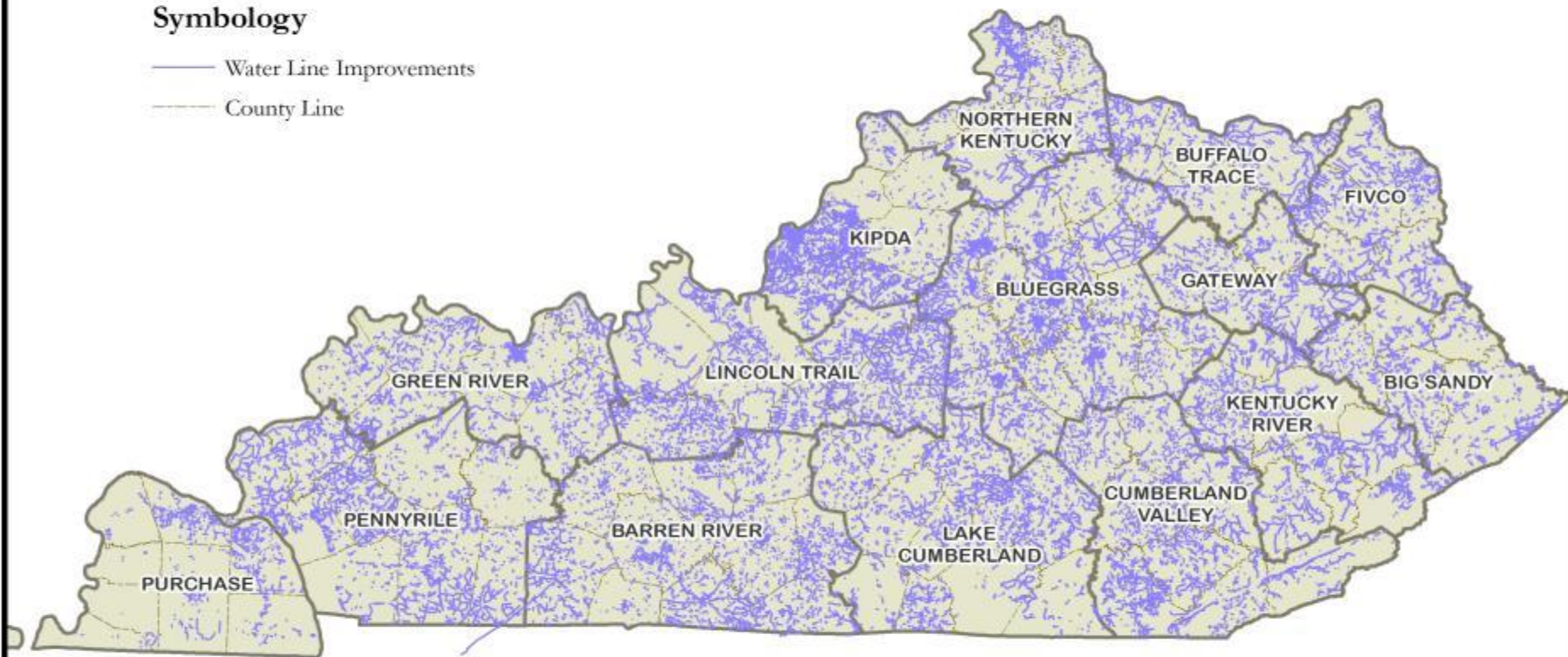


# Water Line Improvements Since 2000

## Symbology

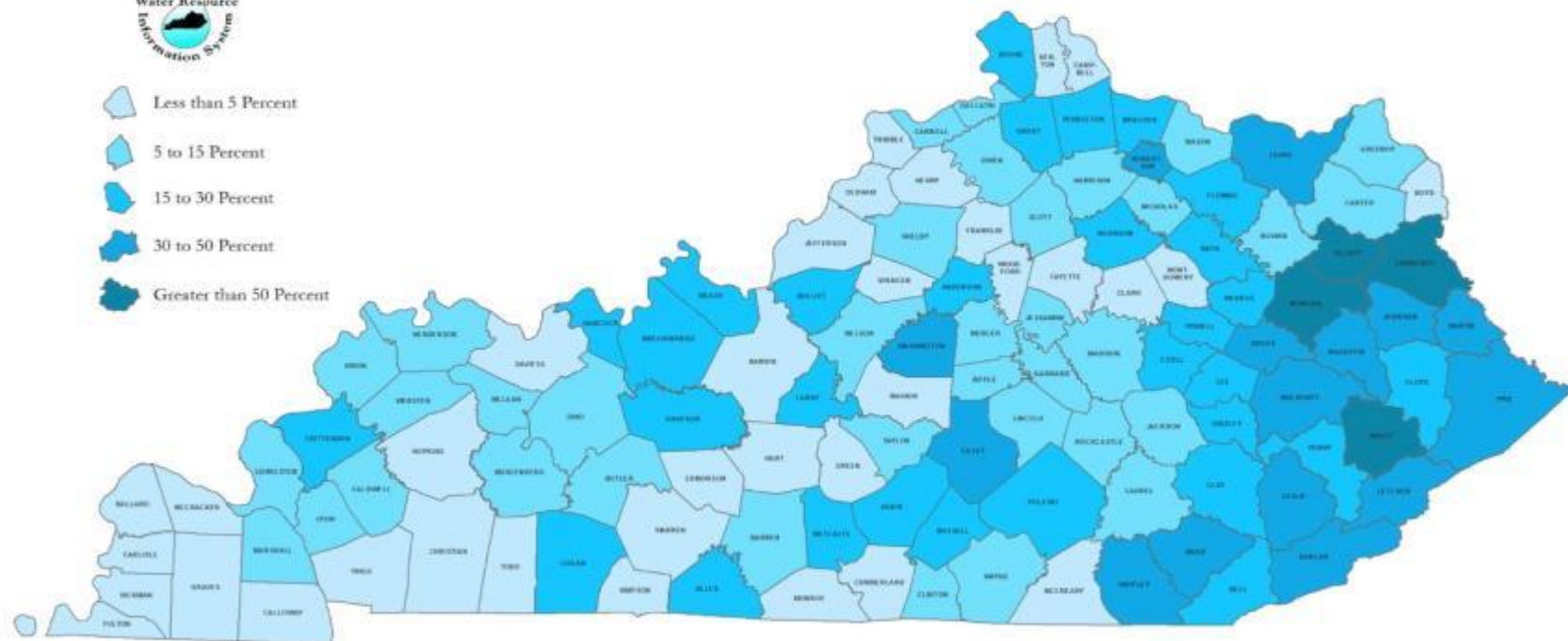
— Water Line Improvements

— County Line



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1024 Capital Center Drive  
Frankfort, KY 40601  
(502) 573-0260  
<http://kia.ky.gov>

January, 2013





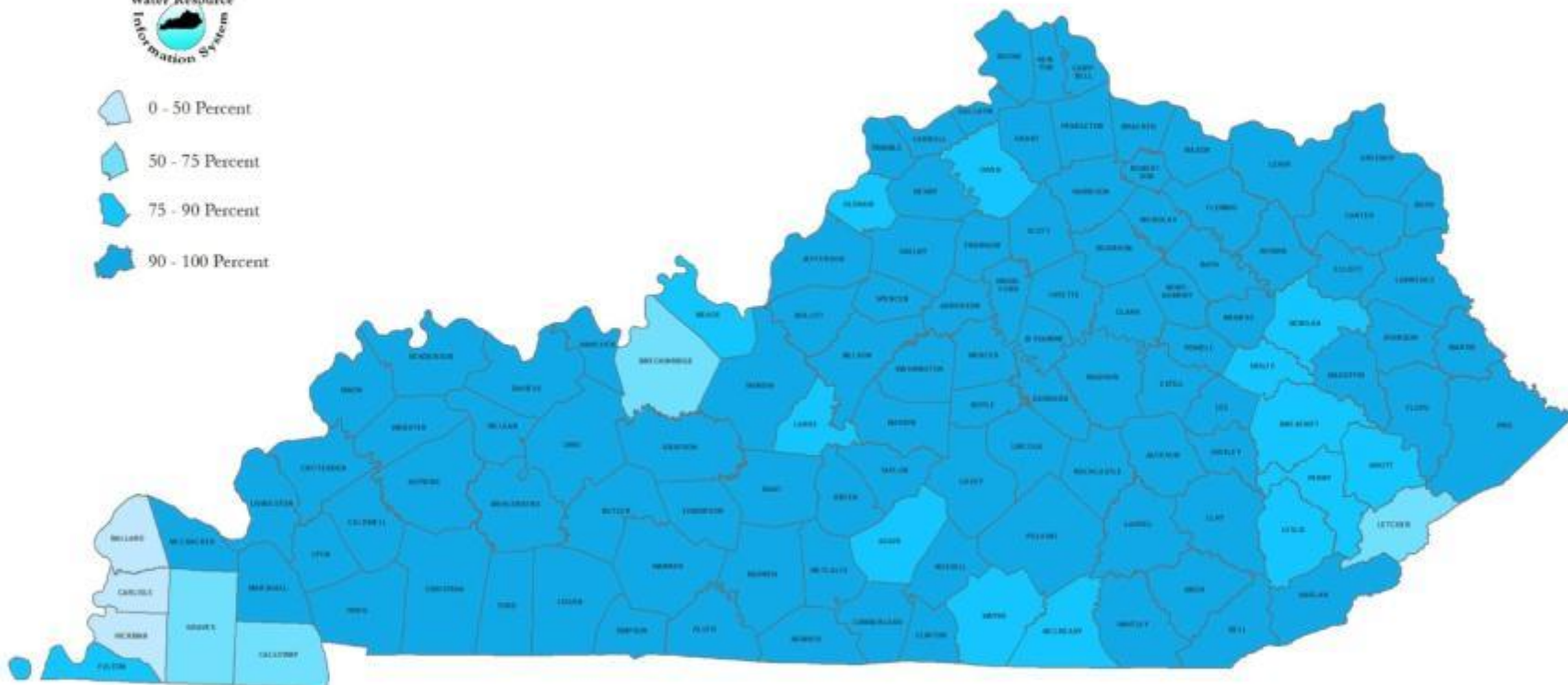
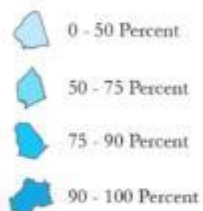
# Percent of Households Serviceable by Public Water Systems in 2010



Prepared By:  
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority  
1024 Capital Center Drive  
Frankfort, KY 40601  
(502) 573-0260  
<http://kia.ky.gov>

January, 2013



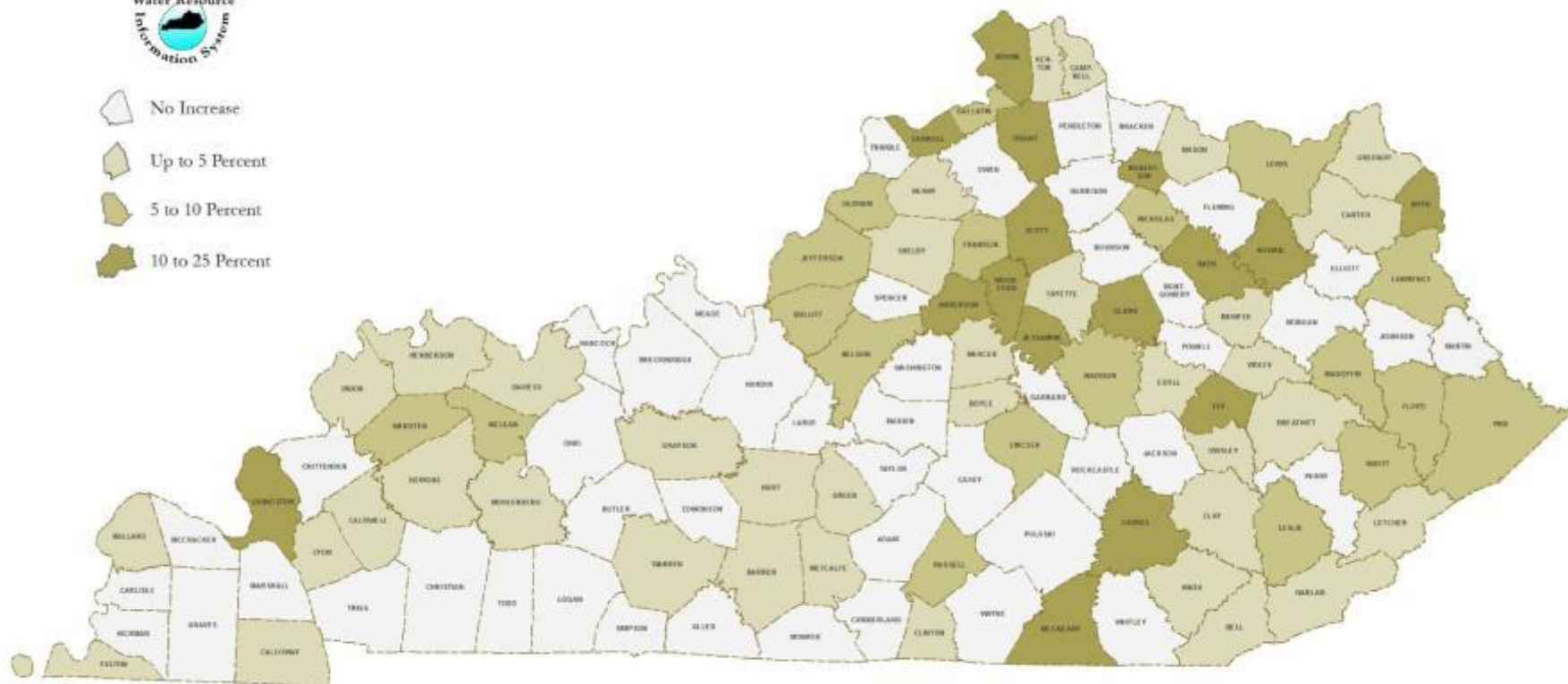


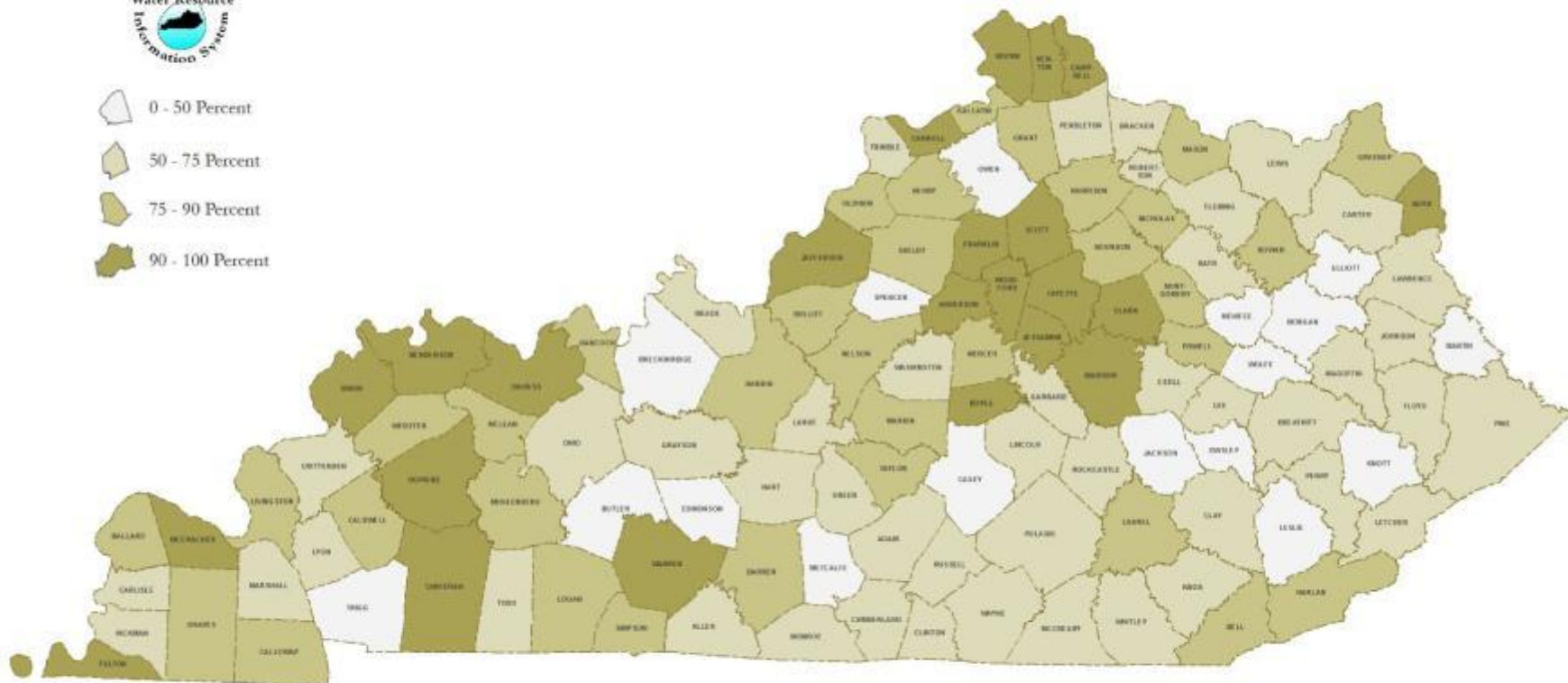
# Percent Increase in Households Serviceable by Public Wastewater Systems from 2000 to 2010

Prepared By:  
Kentucky Infrastructure Authority

Kentucky Infrastructure Authority  
1024 Capital Center Drive  
Frankfort, KY 40601  
(502) 573-0260  
<http://kia.ky.gov>

January, 2013





# 2011 Kentucky Society of Civil Engineers Report Card

## WASTEWATER

C-

The state's 17 communities that operate and maintain sewer systems frequently exceed their capacity in wet weather, the report found. An estimated \$312 million will be needed to correct overflow and related problems across the state. Enforcement of

the federal Clean Water Act has improved since 2003 in Kentucky's larger communities.

**Kentucky:** ..... C-  
**2003 grade:** ..... D-  
**U.S.:** ..... D-

## DRINKING WATER

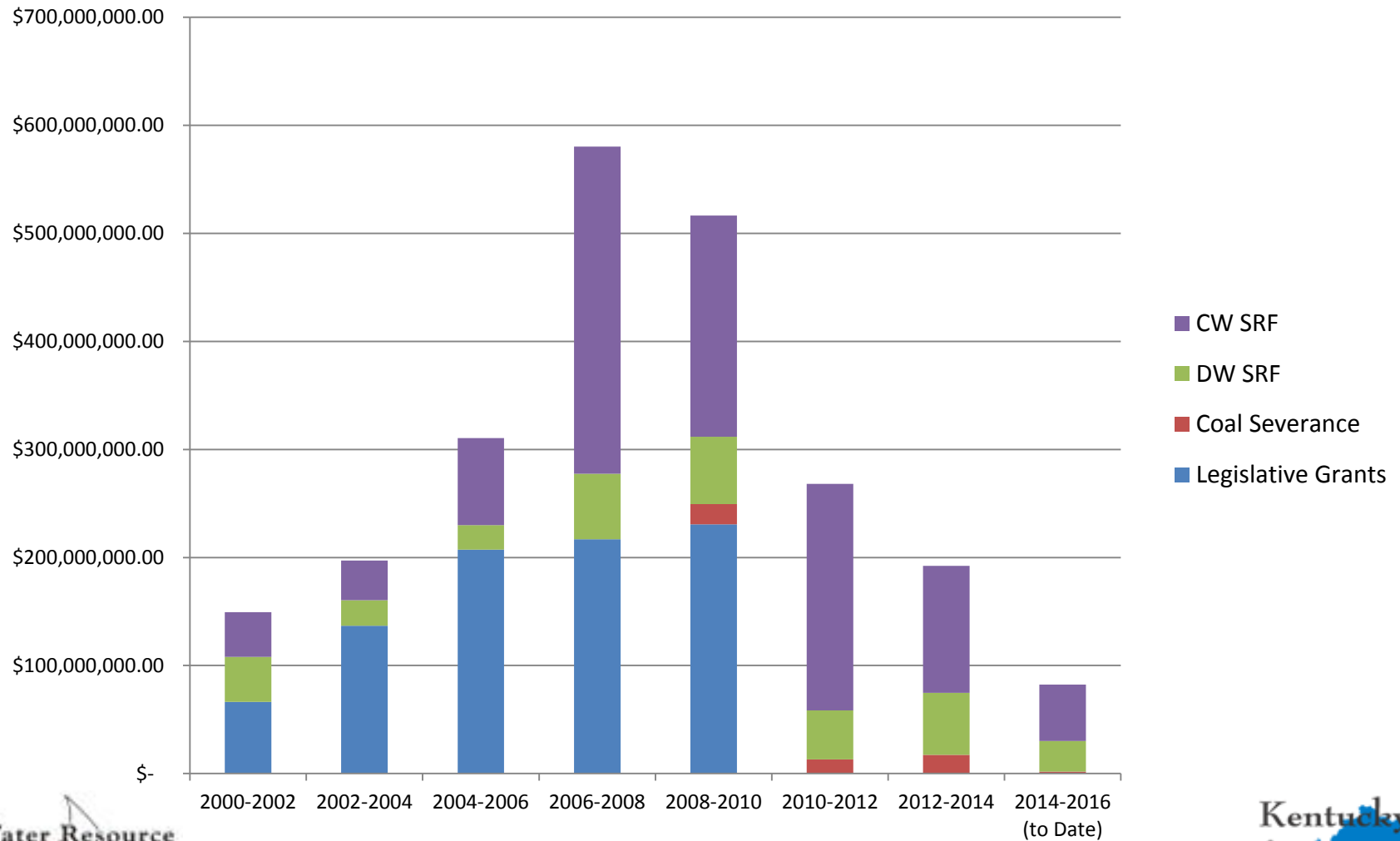
B



During the past decade, the state legislature has allotted \$806 million for more than 2,100 drinking water projects. Since 2000, the state has expanded water service from 37,000 miles of water main to 56,500 miles. Potable water is available to 97 percent of the state, with a goal of reaching 100 percent by 2020.

**Kentucky:** ..... B  
**2003 grade:** ..... C  
**U.S., 2009:** ..... D-

# Total KIA Funding Since 2000





“At the end of the day, this is not just about infrastructure. It is about how we strengthen society.”

Rep. Earl Blumenauer



[kia.ky.gov](http://kia.ky.gov)

