

**CLEAN WATER STATE REVOLVING FUND
SRF ANNUAL REPORT
STATE FISCAL YEAR ENDED JUNE 30, 2020**

**Prepared by the Commonwealth of Kentucky
For EPA Region IV**

September 30, 2020

KENTUCKY WASTEWATER SRF ANNUAL REPORT

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CWSRF ANNUAL REPORT

I. INTRODUCTION

The Commonwealth of Kentucky respectfully submits its Clean Water State Revolving Fund (CWSRF) Annual Report for State Fiscal Year (SFY) ended June 30, 2020. This report describes how Kentucky met the goals as identified in the 2020 Intended Use Plan (IUP) and presents the actual use of funds.

II. EXECUTIVE SUMMARY

HISTORICAL

Kentucky's CWSRF Program was established in Federal Fiscal Year (FFY) 1988. The Kentucky Infrastructure Authority (KIA) is the responsible agency for the CWSRF program in Kentucky. Daily program activities are administered by KIA and the Division of Water (DOW) via a Memorandum of Agreement. KIA oversees \$1,065,394,736 in CWSRF first use funds (Exhibit 3) which are comprised of capitalization grant \$592,296,930 state match \$113,418,773, leverage bond proceeds \$335,000,000, and program administration \$24,679,033.

On April 4, 1989 Kentucky certified compliance with the "first use" requirement of the Clean Water Act. During SFY 2020, KIA continued to pursue expanded use activities with local officials and other agencies. All projects funded in 2020 were Section 212 Publicly Owned Treatment Works.

SFY 2020 OVERVIEW

Exhibit 1 shows that during 2020 the Commonwealth of Kentucky made twenty-nine new binding commitments including eighteen constructions, six increases, and five planning & design projects for a total of \$44,311,376 to provide financial assistance for construction or improvement of wastewater treatment infrastructure, planning and design, and for storm water projects. The average interest rate on funds committed during the year was 0.85%.

During 2020, eight loans totaling \$16,956,470 were approved that were subsidized with principal forgiveness of \$5,526,800 (Exhibit 4). One loan in the amount of \$2,104,870 containing green infrastructure components was approved during 2020 with \$2,104,870 qualifying for Green Project Reserve (Exhibit 5).

Exhibit 6 lists total disbursements of \$40,845,187 from the SRF to reimburse borrowers for eligible expenditures and to fund program administration expenditures. The anticipated impact of committed projects on water quality and public health can be retrieved from the CWSRF Benefits Reporting (CBR) system database.

III. GOALS AND ACCOMPLISHMENTS

A. Short-term Goals and Accomplishments

The 2020 IUP describes six short-term goals to be achieved by the SRF. The State continues to make significant progress toward successful completion of these goals:

1. Enhance loan closing procedures and refine repayment terms.

During the 2020 fiscal year, the major reorganization implemented in 2018 continued to affirm the roles and responsibilities of Regional Compliance Coordinators. Each Regional Compliance Coordinator is responsible for all loans within a defined geographic area of the state. This part of the reorganization shifted internal job duties to focus on loan compliance, loan closing procedures, and refining repayment terms. This structure also allows for a redundancy of loan processing to minimize interruptions when an employee leaves the KIA. A new Executive Director, Edith Halbleib, was appointed to oversee KIA operations.

In addition to the reorganization of personnel, language in the assistance agreements has been revised to document compliance expectations. The principal forgiveness amount will be credited to the loan balance upon release of liens on all contracts and disbursement of the final draw request by KIA to the borrower. All interest and principal repayments are mandated through the Automatic Clearing House “ACH” transfers. Estimated amortization schedules provided at the time of assistance agreements are initiated based on estimated repayment dates.

Table 1 reflects ten years of loan activity since 2011.

Table 1			
Historical Loan Activity			
Year	# of Loans	Commitment Dollars	Amount From Borrower Repayments
2011	22	123,912,253	34,536,868
2012	32	101,331,297	33,121,545
2013	12	79,757,523	37,774,490
2014	5	42,443,919	43,540,304
2015	30	127,684,713	42,122,833
2016	30	47,847,321	49,902,730
2017	25	70,634,389	79,103,081
2018	14	69,084,169	68,037,009

Table 1			
Historical Loan Activity			
Year	# of Loans	Commitment Dollars	Amount From Borrower Repayments
2019	27	99,388,301	49,278,668
2020	29	44,311,376	16,773,014

- Promote the principles of United States Environmental Protection Agency (EPA)'s Sustainable Infrastructure (SI) Initiative to loan recipients through education and outreach so that SI practices are considered in planning, design, and construction.

As a way to promote the SI Initiatives to all communities, an SI brochure is distributed with the Call for Projects. The SI brochure is also available on the KIA and DOW websites. It explains the four pillars and examples of how project planning can be modified to address more sustainable infrastructure and provide additional savings to utilities related to costs, future operation and maintenance expenses.

With the introduction of the Green Project Reserve requirement in the FFY 2010 Capitalization Grant, the integrated project priority ranking system was modified to incorporate Energy Efficiency, Water Efficiency, Sustainable Green Infrastructure and asset management/full cost pricing to promote the principles of EPA's Sustainable Infrastructure Initiative. The projects that incorporated components of sustainable infrastructure received bonus points on the project priority ranking. Fifty-three of the eighty-five projects submitted during the Call for Projects received points for green components. Ten projects received points for incorporating two or more green components, while forty-three projects incorporated one green component. The primary green category was for energy efficiency for which fifty-three of the eight-five (62%) projects were awarded points which was more than last year.

- Improve SRF training to borrowers, project administrators, Area Development Districts, and the engineering community.

During the 2020 SFY, KIA staff continuously met with Area Development District (ADD) planners, Water Management Councils, and water system officials to provide guidance on how to apply for an SRF loan through the WRIS. The primary emphasis during training this year has been continuous planning and preparation for the entire loan process.

Additionally, KIA staff took advantage of numerous opportunities to speak to engineers, utilities, and other stakeholders throughout the state. Among the groups to which the presentations were made included the Kentucky Rural Water Association, the Kentucky Water Resources Symposium, the Utilities Management Institute, the Kentucky Drinking Water Infrastructure Legislative Taskforce, and the Kentucky Capital Projects and Bond Oversight Legislative Committee.

Compliance related training and information has been provided through introductory meetings with each SRF borrower as well as reiterated during the preconstruction meetings held at the time the construction contracts are executed. A “Best Practices” document for Davis Bacon compliance and reporting has been distributed to borrowers throughout the loan process.

We are changing the way the ADDs work with and submit GIS mapping data from a bi-monthly check-in period to an automated synchronization where mapping and components are updated in real-time through a button click. The new process will also feature a programmatic QA/QC tool that the ADDs will use to improve the quality of their data. We expect to deploy this new process in the near future after COVID-19 pandemic subsides and all components required are fully developed and tested in the field.

4. Identify distressed borrowers through compliance monitoring and provide targeted financial and managerial guidance.

Division of Water has incorporated ranking criteria to identify borrowers that own and operate non-complaint package treatment plants. Projects that eliminate a 25 year or more old and failing package treatment plants receive priority points. Of eighty-five projects submitted two projects were awarded points for this criteria and both of them have been invited for funding.

Loan assistance efforts include KIA borrower visits by the Kentucky Rural Water staff, which was funded through a grant from the Appalachian Regional Commission. The inspections include targeted financial assistance for borrowers that have undergone changes in their management, Board or other decision makers. Services include rate studies, property inspections, training and technical assistance.

The reorganization of the loan compliance personnel discussed under item 1 above also has helped identify distressed borrowers by having one Regional Compliance Coordinator responsible for all compliance on a given loan, rather than having different personnel responsible for compliance of different components.

5. Develop a focused marketing strategy in conjunction with Energy and Environment Cabinet (EEC) to target systems with compliance and energy efficiency needs.

Kentucky provided SRF training to not only highlight compliance but to also market programmatic changes, including targeting systems with compliance and energy needs. Interagency meetings with Division of Water, Division of Enforcement and Public Service Commission are held regularly to prioritize distressed borrowers.

6. Work toward the use of electronic forms and data as opposed to paper documents, where possible.

The SRF Call for Projects, project ranking and project tracking have been integrated into the Water Resource Information System (WRIS). The projects are submitted through WRIS and ranked in the portal. DOW and KIA staff have access to the data collected in the WRIS and are working together toward making the portal user-friendly for the staff to access all documents.

KIA has worked for several funding cycles to develop an electronic application process for borrowers. Application information will be pulled automatically from WRIS Project Profile to populate an electronic application after the borrower has worked with the Area Development District to update it. From there, the borrower downloads the PDF application and reaches an attachment page with clickable links to additional documents required for the application. The borrower then submits the entire electronic application package to KIA via email. The paperless application reduces paper usage, improve timeliness of submittal, and eases the burden of excessive paperwork during the process. KIA fully implemented the electronic application process in the 2020 funding cycle. Going forward, this process will allow for a transition to electronic web submission rather than emailing pdf files.

B. Long Term Goals and Accomplishments

The IUP describes four long-term goals:

1. Work with the EEC to explore solutions to increase energy efficiency for clean water utilities and future non-compliance issues under the CWA.

In 2015, the Division of Water assembled a team of state and federal agencies to conduct nutrient and energy efficiency management audits for Kentucky wastewater facilities. This team was created in response to an EPA grant initiative to help facilities reduce their costs and improve environmental performance through improving their energy efficiency. The purpose of the wastewater optimization program was to provide free nutrient and energy audits that concluded with reports on ways the facility could

optimize their performance and reduce costs. Starting in 2016 and again in 2017 and 2018, three facilities participated each year in the program. Analysis reports from the audits were provided to each facility with recommendations on ways to optimize their nutrient treatment and energy use. Facilities that chose to implement recommendations or portions of recommendations have all seen a decrease in their energy demand costs, with some wastewater facilities seeing results with a cost savings of ~30% a month on their utility bills. Utilities are still in the process of implementing recommendations.

2. Streamline loan processes and improve communication and the sharing of data between KIA and DOW.

DOW and KIA provide administrative and technical assistance to borrowers by conducting an Introductory Meeting before work begins to instruct the borrowers on compliance with applicable rules (to both the borrower and contractors) during the construction process, by reviewing each payment to ensure the invoices provided substantiate the amount requested, and by conducting an administrative file review before the final payment is made to ensure that all required elements of the process have been satisfied.

The implementation of the use of electronic communication to streamline efforts have improved for the call for projects, bypassing procedures, loan applications, change orders, and draw requests. The existing priority ranking system is evaluated annually to target the major environmental needs of the State with an emphasis on the applicant's readiness to proceed. The data collected in the WRIS is available as a tool in determining project rankings.

3. Implement a utility portal within the Water Resources Information System (WRIS) to improve communication and reporting between the utility, KIA, and regulatory agencies.

Kentucky has created a utility portal within the Water Resources Information System. The portal will give utility personnel access to the WRIS to input current information on projects. The geographic information in the WRIS is being reviewed for quality assurance while the asset management tool will be evaluated for modifications to improve user-friendly measures. A WRIS workgroup has been formed to include stakeholders such as regulatory agencies, regulated utilities, technical assistance providers, KIA staff and other funding agencies.

4. Participate in planning for small wastewater package treatment plant elimination and regionalization.

House Joint Resolution 56 – Wastewater Action Plan: During the 2017 session, the General Assembly passed House Joint Resolution 56. The purpose of the resolution is to address risks to human health and the environment from the failure of small wastewater treatment plants. The resolution directs the Energy and Environment Cabinet to perform four (4) tasks, as follows:

(a) Identify the privately owned and operated small wastewater treatment plants in Kentucky and collect the relevant information regarding the plant and collection system attributes; (b) Identify indicators that are useful and necessary in conducting an assessment of the risks of financial failure, technical failure, structural failure, or abandonment of privately owned and operated small wastewater treatment plants; (c) Identify potential emergency intervention methods to respond to plant failures in a collaborative manner between state and local entities; and (d) Identify legislative changes that may assist to mitigate the failure or abandonment of small wastewater treatment plants or to otherwise provide for continuity of service to the plants' customers.

A report was given to the legislature at the end of 2017 to address small wastewater treatment plants. As a result of the report, House Bill 513 was crafted and ultimately passed in the 2018 General Assembly. The new Statute directs the EEC to develop regulations regarding small wastewater treatment plants. During the 2020 Fiscal Year, the EEC developed draft regulations in compliance with HB 513. Due to a transition in administration and impacts from COVID19, those drafts continue to be reviewed.

Beginning in FFY 2015, the KIA provided a portion of the principal forgiveness for projects that eliminated small wastewater package treatment plants. In 2020, KIA reserved \$210,100 for the Graves County Water District project to eliminate the Fancy Farm package treatment. The invitation was later declined by the District. This principal forgiveness amount was transferred to project A20-029 for the Greenup Joint Sewer Agency which is eliminating a package treatment plant operated by the Greenup County Schools as part of the Lloyd sewer connection project. Due to COVID-19, this loan commitment was made September 24, 2020.

In 2020 the KIA granted no increase request for projects from previous years that eliminated wastewater package treatment plants.

IV. DETAILS OF ACCOMPLISHMENTS

A. Fund Financial Status

1. Binding Commitments

As shown in Exhibit 1, the Commonwealth offered binding commitments to provide new financial assistance and increases to prior commitments totaling \$44,311,376.

2. Sources and Uses of Funds

Exhibit 3 shows the first use sources and uses of SRF funds during 2020. Cumulative sources increased by \$24,267,600 representing the FFY 2019 Capitalization Grant of \$20,223,000 and the State Match of \$4,044,600. Disbursements of capitalization grant and state match were \$24,072,173 for low cost loans for eligible projects and for SRF administrative costs. Repayment funds in the amount of \$16,773,014 were disbursed for eligible projects through 2020 (See Exhibit 6).

3. Disbursements and Guarantees

Exhibit 2 shows that 2020 binding commitments were 219% of 2020 grant payments.

Exhibit 6 shows total disbursements of \$40,845,187 listed by borrower and loan number segregated between capitalization grant and repayment funds. Program administration costs of \$613,493 were also reimbursed from capitalization grants.

Exhibit 7 presents the \$40,845,187 disbursements in summary form. Approximately 1.5 percent of this amount, or \$613,493 was drawn down from the EPA for program administration costs. The State share of funds disbursed was \$4,044,600.

4. Financial Statements

Due to time constraint from COVID-19, the 2020 Statement of Net Position and Statement of Revenues, Expenses, and Changes in Net Position for the Clean Water State Revolving Fund of the Kentucky Infrastructure Authority will be submitted separately on a later date.

5. Revenue Bond Funding

No bonds were issued in 2020.

6. Credit Risk of the SRF

KIA follows the credit review process outlined in the Operating Agreement. Basic procedures include reviewing the bond rating of communities, examining the levels of current and long term debt, as well as validating that sufficient revenues are produced in order to repay the utilities' debt. Exhibit 10 is the Accounts Receivable Aging list. If a borrower experiences late payments, KIA will work with them to modify their utility rate structures or revise repayment schedules. To date, KIA has reported no defaults. Currently three loans have past due balances.

B. Assistance Activity

Exhibit 1 shows projects that the SRF has funded or will assist using capitalization grant, state match, revenue bonds and repayment money to provide financial assistance. The exhibit is separated into five sections:

- Part 1 Kentucky Certified "first use" Requirements 4/4/89 shows no projects;
- Part 2 Other Section 212 Publicly Owned Treatment Works lists 29 projects;
- Part 3 Nonpoint Source Management Program shows no projects;
- Part 4 National Estuary Projects shows no projects;
- Part 5 reports the program administration expenditures.

This exhibit shows the recipient name, loan number, enforceable requirements, and amount of assistance, binding commitment date, estimated construction start date, estimated initiation of operations date, type of assistance, interest rate and maturity for each loan if applicable.

Exhibit 2 shows a breakdown of binding commitments listed in Exhibit 1 by quarter.

Exhibit 3 illustrates the source and allocation of first use funds through 2020. This exhibit also breaks down fund disbursement quarterly by federal, state and administrative disbursements (excluding repayment dollars).

Exhibit 4 lists all projects that were approved during 2020 that were eligible for subsidies. Eight new loans totaling \$16,956,470 were approved that were subsidized with principal forgiveness of \$5,526,800. The 2019 Grant required a subsidy of at least \$2,022,300 (10%) not to exceed \$6,066,900 (30%).

Exhibit 5 lists one project that was approved during 2020 reported against the 2019 Capitalization Grant for green infrastructure components. The total amount of the loan was \$2,104,870 and the total amount qualifying for green project was \$2,104,870. The FFY 2019 Capitalization Grant required green components equal to 10%, or \$2,022,300 of the cap grant amount.

C. Provisions of the Operating Agreement/Conditions of the Grant

The Commonwealth of Kentucky entered into the Operating Agreement and annual grant agreement with the US Environmental Protection Agency. All specific conditions required by both agreements have been met.

1. State Matching Funds

The Commonwealth of Kentucky appropriated sufficient funds to meet the 20% State Match requirement. State Match funds were disbursed to borrowers prior to disbursement of capitalization grant funds (Exhibit 3 displays the State Match payment).

2. Binding Commitments within One Year

The Commonwealth of Kentucky entered into binding commitments to provide assistance from the SRF in amounts at least equal to 120% of grant payments within one year after receipt of each payment (Exhibit 2).

3. Expeditious and Timely Expenditure

The Commonwealth of Kentucky disbursed all cash draws and other available SRF funds in a timely and expeditious manner. Exhibit 1 "Projects Receiving SRF Financial Assistance for State Fiscal Year Ended June 30, 2020" demonstrates that projects have moved in a timely and expeditious manner to start construction. Kentucky is monitoring the projects to ensure timely initiation of operations in accordance with the established schedules.

4. First Use of Funds for Enforceable Requirements

Kentucky certified first use requirements April 4, 1989.

5. Eligible Activities of the State Revolving Fund

Projects identified in the annual IUP to be funded are included in Exhibit 11 of this report.

6. Compliance with Title VI Requirements

As a part of Kentucky's SRF streamlining efforts, during 2018, KIA worked with EPA on a revision to Kentucky's Operating Agreement. Title VI requirements (authorized in the 1987 Water Quality Act for loans and grants to local governments) had been addressed in the revised agreement.

7. Disadvantaged Business Enterprises (DBE) and Minority Business Enterprise/Women's Business Enterprise (MBE/WBE):

Kentucky negotiated with EPA an overall fair share proportion of the capitalization grant targeted for Women and Minority Business (MBE/WBE) or Disadvantaged Business Enterprises (DBE) as applicable. The State has developed procedures to ensure that loan recipients and prime contractors follow the six affirmative action steps to identify and utilize MBE/WBE or DBE firms. During 2020, \$40,231,694 in construction draw requests was reimbursed to CWSRF participants of which \$317,676, or 0.79%, was reimbursed to WBE contractors. Disbursements in the amount of \$44,223 or 0.11% of construction draw requests were reimbursed to MBE contractors. Kentucky is continuing to educate borrowers on the goal of an overall fair share proportion of the capitalization grant for MBE/WBE or DBE firms.

8. Other Federal Laws and Authorities

Kentucky and all recipients of SRF funds directly made available by the capitalization grant have complied with applicable federal laws and authorities. The Regional Compliance Coordinators assist in monitoring for compliance.

9. Facilities Plan and Environmental Review Process

During 2020, the Commonwealth of Kentucky conducted environmental reviews on fifteen funded Section 212 and Section 319 projects (some loans contained more than one project) in accordance with the State Environmental Review Process (SERP).

10. Quarterly Disbursement Schedule/Commitment

Exhibit 7 shows how actual disbursements relate to Federal cash draws. The disbursement schedule provides the basis for EPA outlay commitments.

V. PROGRAM CHANGES

A. Comparison with the Intended Use Plan

Exhibit 11 reflects the status of projects that were included in the 2020 IUP that were invited to apply for assistance. Of the 88 projects on the priority list, 52 projects, including 2 projects qualified for multi-year funding and 6 projects with previously approved planning and design loans, were invited to apply. Twenty-seven borrowers accepted and 25 bypassed, withdrew, or declined the invitations. Borrower willingness to participate in the SRF program during 2020 was affected by the general state of the economy, principal forgiveness, and resistance to raise rates to service additional debt. Due to constraints from the COVID-19 pandemic, KIA has made an exception to carry forward 2 invitations into the 2021 IUP.

B. Modifications of Goals and Objectives

Both short and long-term goals in the 2020 IUP were reviewed periodically to confirm they were still aligned with the SRF goals.

VI. PROPOSED AND ONGOING IMPROVEMENTS

A. Median Household Income Determination Guidance

KIA has developed the Median Household Income (MHI) Determination Guidance for CWSRF and DWSRF loan projects. MHI is used to determine the interest rate, principal forgiveness eligibility, and extended loan term eligibility for the CWSRF and DWSRF programs. The guidance document identifies and describes three accepted methodologies applicants can use to determine the MHI for a project area or for the entire system area. The methodologies include:

- 1) Default Weighted Proximity Analysis (DWPA);
- 2) Modified Weighted Proximity Analysis (MWPA); and
- 3) Census or Sample Income Survey (IS).

The DWPA and MWPA are GIS based methodologies that use system mapping (waterlines, sewer lines, or meter points) to calculate the MHI based on 5-year American Community Survey census tract MHI estimates. The IS is modeled after Kentucky's Community Development Block Group program guidance. The DWPA is calculated for all projects in the WRIS Portal and is considered the primary MHI determination methodology; however, if the DWPA is insufficient, applicants may collaborate with KIA staff to select the MWPA or IS as an alternative.

To maintain the integrity of MHI determinations, the MHI Determination Guidance includes the hierarchy of the methodologies and the required conditions to proceed with each method. Additional forms and informational materials have been developed to ensure that the methodologies are applied consistently. Most notably, KIA has collaborated with other federal funding sources (Kentucky's Community Development Block Grant and USDA's Rural Development program) to develop a single multi-agency income survey form to streamline income surveys for projects with multiple funding sources. The form has been translated into Spanish.

B. WRIS Work Group

The Water Resource Information Systems (WRIS) has been used to identify and develop water and sewer projects in the state of Kentucky since 2000. The three major components of the WRIS are System Data, Project Profiles, and GID mapping. The WRIS supports local, regional, and state planning and prioritization for water and sewer infrastructure development.

A WRIS Work Group was formed in 2018 to initiate the redesign of the WRIS Portal to support more planning and project development functionality in the WRIS Portal. The primary goals of the WRIS Work Group are to identify the strategies that will improve the integrity of the data in the WRIS, improve the functionality of the WRIS Portal for local, regional, and state users, and improve collaboration between water and sewer stakeholders across the state. During 2020, the Work Group did not meet but the KIA is still implementing recommendations from the Work Group.

C. KIA and ACEC-KY Partnership

In Kentucky we are fortunate to have a wide open line of communication between technical professionals and State agencies. A perfect example of the professional relationships that exists is the relationship between the Kentucky Infrastructure Authority and the Kentucky Chapter of the American Society of Consulting Engineers.

Throughout the reporting period, these two entities have strategically met every other month with the express purpose of helping each other meet their goals and fulfill their responsibilities. The typical agenda for each meeting includes discussions of: current regulatory issues, current legislative issues, specific funding sources, potential funding sources, identification of functional problems with the system, identification of opportunities to improve application and use of funds, opportunities to improve the functionality and scheduled use of funds.

This open forum has allowed for clear and candid discussion of current relevant issues that both entities are facing along with a chance for both sides of the issues to be put on the table and addressed. The leadership and staff at the KIA are working to build professional relationships with the engineering community in order to facilitate the functionality and purpose of the KIA. Some of the highlights from this past reporting period are included below.

- Discussion of design/build and the viability of projects of this nature using KIA dollars
- Public private partnership (PPP) funding
- Update ACEC and KIA staff on staffing changes for both entities
- Project profile and ranking updates and assistance
- Update ACEC on new digital interface at the KIA
- Discussion of principal forgiveness
- Compliance assistance

This year proved that the relationship between the KIA and ACEC is moving in the proper direction. The 2019 – 2020 year included a change in Governor's office and although these changes can be disruptive to a relationship such as this, the new administration and remaining KIA staff worked to keep this interaction moving. ACEC members and KIA staff continued to stay engaged on pertinent issues facing both organizations.

COVID 19 will have lasting impacts on how our Country operates and how people interact. This partnership was forced to miss one of its regularly scheduled meetings due to COVID. The partnership did switch to a virtual format without problems and has since met regularly and successfully. The two entities were able to share experiences related to COVID which helps everyone understand that we are all fighting the same battles.

Moving into the 2020 – 2021 year, the KIA leadership is solidly in place. The ACEC Executive Director is new, Russ Romine has reassumed leadership of the organization, and Chris Stewart will be heading up the ACEC/KIA coordination for ACEC.

D. KIA WRIS Funding Dashboards

The WRIS Funding Dashboards were created as a proof of concept for using GIS technology to help present information that illustrates Kentucky's water and wastewater infrastructure funding needs over the next 20 years. Three dashboards have been created as prototypes that will help pave the way for more engaging ways to interpret, interact, and analyze data with WRIS. These funding dashboards aggregate and display the WRIS information. The dashboards present information in a comprehensive and transparent manner using existing data sets relative to drinking water and wastewater utilities in KY.

Each innovative dashboard is linked directly to Project Profiles in the WRIS portal. When the data is revised the components are updated in real-time allowing users to view projects based on current information via three separate mediums. The function of each version is detailed below:

- By Region – This dashboard allows the user to filter down by Area Development District, County, Applicant, and/or Project Number. With each descending filter, all components of the dashboard update. Also included is a list of projects with basic details such as title, cost, and description that are seeking funding. Upon filtering to a specific project, the map symbolizes the project. Graphs are designed to show the number of projects listed in the WRIS portal by their schedule (0-2 years, 3-5 years, etc.) and the associated funding needs.
- By Region via mobile or tablet – This dashboard is a replica of the first dashboard but optimized for mobile viewing on a tablet or phone.
- WRIS Projects by Legislative Districts – The dashboard filters the WRIS data either by House or Senate Legislative District and the District number. It allows quick access to visualize water and wastewater needs in that District. The process is similar to the first and second dashboards in that all of the same information is present.

E. Short and Long-term Goals for Future IUP

The 2021 IUP has been enhanced with additional short and long-term goals to ensure success of the Kentucky SRF program.

EXHIBIT 1
KENTUCKY INFRASTRUCTURE AUTHORITY
FEDERALLY ASSISTED WASTEWATER LOAN PROGRAM
PROJECTS RECEIVING SRF FINANCIAL ASSISTANCE
FISCAL YEAR ENDED JUNE 30, 2020

RECIPIENT NAME	LOAN NUMBER	ENFORCEMENT REQUIREMENTS	AMOUNT OF ASSISTANCE	BINDING COMMITMENT DATE(S)	ESTIMATED CONSTRUCTION START DATE	ESTIMATED INITIATION OF OPERATION DATE	TYPE OF ASSISTANCE	INTEREST RATE	LOAN MATURE
PART 1: Kentucky Certified first use: Requirements 4/4/89					None				
PART 2: Other Section 212 Publicly Owned Treatment Works									
Burkesville, City	A20-002	S	2,580,370	9/26/2019	5/1/2020	6/1/2021	L	0.50%	*
Nicholasville, City	A20-045	C	910,000	9/26/2019	4/1/2021	6/1/2022	L(2)	2.50%	*
Marion, City	A18-003	S	4,205,000	11/7/2019	2/27/2019	8/1/2021	L(1)	0.50%	*
Mount Sterling, City	A20-007	C	525,000	11/7/2019	12/1/2019	6/1/2020	L(2)	2.50%	*
Kuttawa, City	A20-022	S	1,264,200	11/7/2019	5/1/2020	7/1/2021	L	1.50%	*
Smithland, City	A20-024	S	246,000	11/7/2019	1/1/2021	7/1/2021	L(2)	2.50%	*
Eddyville, City	A20-027	C	423,964	11/7/2019	12/1/2020	8/31/2021	L(2)	2.50%	*
Sebree, City	A20-033	C	910,828	11/7/2019	9/15/2020	1/15/2021	L	0.50%	*
Augusta Regional Sewer Authority	A17-001	S	1,100,000	12/5/2019	1/31/2020	4/30/2021	L(1)	0.25%	*
Lincoln County Sanitary District	A20-003	C	3,018,100	12/5/2019	6/1/2020	3/1/2021	L	0.50%	*
Northern Madison County Sanitation Dist	A20-049	C	730,000	12/5/2019	4/1/2020	11/1/2020	L	2.50%	*
City of Louisa	A19-002	S	688,578	1/9/2020	3/1/2020	3/31/2021	L(1)	0.50%	*
Morehead, City	A19-032	C	850,000	1/9/2020	1/2/2020	10/1/2020	L(1)	2.00%	*
City of Hodgenville	A20-025	C	227,000	1/9/2020	6/1/2021	8/1/2023	L(2)	2.50%	*
City of Russell	A20-031	C	500,000	1/9/2020	12/1/2020	7/30/2021	L	2.50%	*
Adair County Water District	A20-016	C	2,104,870	3/5/2020	10/5/2020	10/5/2021	L	0.50%	*
Paducah McCracken County Joint Sewer Agency	A20-032	F	5,170,000	3/5/2020	8/17/2020	10/1/2021	L	0.50%	*
City of Kuttawa	A20-022	S	453,236	5/7/2020	5/1/2020	7/1/2021	L(1)	1.50%	*
City of Maysville	A20-034	S	850,000	5/7/2020	9/15/2020	9/15/2021	L	0.50%	*
City of South Shore	A20-037	C	1,035,000	5/7/2020	9/18/2020	1/18/2021	L	0.50%	*
Hart County Industrial Authority	A20-069	C	853,442	5/7/2020	8/1/2020	8/1/2021	L	0.50%	*
Morehead, City	A20-020	C	1,363,200	6/4/2020	12/1/2020	9/1/2021	L	1.50%	*
McCreary County Water District	A20-047	C	3,244,500	6/4/2020	10/1/2020	6/30/2021	L	0.50%	*
Pineville, City	A20-004	F	2,454,000	7/9/2020	6/1/2021	3/1/2022	L	0.50%	*
Bedford, City	A20-023	C	909,500	7/9/2020	6/15/2021	3/15/2022	L	0.50%	*
Calvert City, City	A20-018	S	2,908,500	8/6/2020	4/1/2021	3/31/2022	L	1.50%	*
Dawson Springs, City	A20-019	S	1,000,000	8/6/2020	12/31/2020	9/30/2021	L	0.50%	*
Bardstown, City	A19-047	C	1,071,088	9/24/2020	8/12/2020	8/12/2021	L(1)	2.00%	*
Greenup Joint Sewer Agency	A20-029	C	2,715,000	9/24/2020	12/15/2020	12/31/2021	L	0.50%	*
Subtotal: Section 212 Base Loans	29		44,311,376				Weighted Avg:	0.85%	

EXHIBIT 1
KENTUCKY INFRASTRUCTURE AUTHORITY
FEDERALLY ASSISTED WASTEWATER LOAN PROGRAM
PROJECTS RECEIVING SRF FINANCIAL ASSISTANCE
FISCAL YEAR ENDED JUNE 30, 2020

PART 3: Nonpoint Source Management Program (Section 319) None

TOTAL SECTION 319 LOANS	<u>0</u>	<u>\$ -</u>	<u>0.0%</u>
GRAND TOTAL		<u>\$ 44,311,376</u>	

PART 4: National Estuary Projects - (Section 320) None

PART 5: PROGRAM ADMINISTRATION \$ 613,493

Type of Assistance

- L = Loan
- (1) = Increase / (Decrease)
- (2) = Planning and Design

Enforcement Requirements

- C = In Compliance
- CO = Court Order
- U = Unsewered
- SA = State Administrative Order (Municipal Wastewater Pollution)
- F = Federal Administrative Order
- S = State Court Order

Loan Mature

- * = Final Loan Closing has not occurred

EXHIBIT 2
KENTUCKY INFRASTRUCTURE AUTHORITY
FEDERALLY ASSISTED WASTEWATER LOAN PROGRAM
BINDING COMMITMENTS BY QUARTER
FISCAL YEAR ENDED JUNE 30, 2020

RECIPIENT NAME	LOAN NUMBER	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4	TOTAL	TYPE OF ASSISTANCE
PART 1: Kentucky Certified "first use: Requirements 4/4/89		None					
PART 2: Other Section 212 Projects							
Burkesville, City	A20-002	\$ 2,580,370	\$ -	\$ -	\$ -	\$ 2,580,370	L
Nicholasville, City	A20-045	\$ 910,000	\$ -	\$ -	\$ -	\$ 910,000	L(2)
Marion, City	A18-003	\$ -	\$ 4,205,000	\$ -	\$ -	\$ 4,205,000	L(1)
Mount Sterling, City	A20-007	\$ -	\$ 525,000	\$ -	\$ -	\$ 525,000	L(2)
Kuttawa, City	A20-022	\$ -	\$ 1,264,200	\$ -	\$ -	\$ 1,264,200	L
Smithland, City	A20-024	\$ -	\$ 246,000	\$ -	\$ -	\$ 246,000	L(2)
Eddyville, City	A20-027	\$ -	\$ 423,964	\$ -	\$ -	\$ 423,964	L(2)
Sebree, City	A20-033	\$ -	\$ 910,828	\$ -	\$ -	\$ 910,828	L
Augusta Regional Sewer Authority	A17-001	\$ -	\$ 1,100,000	\$ -	\$ -	\$ 1,100,000	L(1)
Lincoln County Sanitary District	A20-003	\$ -	\$ 3,018,100	\$ -	\$ -	\$ 3,018,100	L
Northern Madison County Sanitation Dist	A20-049	\$ -	\$ 730,000	\$ -	\$ -	\$ 730,000	L
City of Louisa	A19-002	\$ -	\$ -	\$ 688,578	\$ -	\$ 688,578	L(1)
Morehead, City	A19-032	\$ -	\$ -	\$ 850,000	\$ -	\$ 850,000	L(1)
City of Hodgenville	A20-025	\$ -	\$ -	\$ 227,000	\$ -	\$ 227,000	L(2)
City of Russell	A20-031	\$ -	\$ -	\$ 500,000	\$ -	\$ 500,000	L
Adair County Water District	A20-016	\$ -	\$ -	\$ -	\$ 2,104,870	\$ 2,104,870	L
Paducah McCracken County Joint Sewer Agency	A20-032	\$ -	\$ -	\$ -	\$ 5,170,000	\$ 5,170,000	L
City of Kuttawa	A20-022	\$ -	\$ -	\$ -	\$ 453,236	\$ 453,236	L(1)
City of Maysville	A20-034	\$ -	\$ -	\$ -	\$ 850,000	\$ 850,000	L
City of South Shore	A20-037	\$ -	\$ -	\$ -	\$ 1,035,000	\$ 1,035,000	L
Hart County Industrial Authority	A20-069	\$ -	\$ -	\$ -	\$ 853,442	\$ 853,442	L
Morehead, City	A20-020	\$ -	\$ -	\$ -	\$ 1,363,200	\$ 1,363,200	L
McCreary County Water District	A20-047	\$ -	\$ -	\$ -	\$ 3,244,500	\$ 3,244,500	L
Pineville, City	A20-004	\$ -	\$ -	\$ -	\$ 2,454,000	\$ 2,454,000	L
Bedford, City	A20-023	\$ -	\$ -	\$ -	\$ 909,500	\$ 909,500	L
Calvert City, City	A20-018	\$ -	\$ -	\$ -	\$ 2,908,500	\$ 2,908,500	L
Dawson Springs, City	A20-019	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000	L
Bardstown, City	A19-047	\$ -	\$ -	\$ -	\$ 1,071,088	\$ 1,071,088	L(1)
Greenup Joint Sewer Agency	A20-029	\$ -	\$ -	\$ -	\$ 2,715,000	\$ 2,715,000	L

TOTAL SECTION 212 LOANS	\$ 3,490,370	\$ 12,423,092	\$ 2,265,578	\$ 26,132,336	\$ 44,311,376
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EXHIBIT 2
KENTUCKY INFRASTRUCTURE AUTHORITY
FEDERALLY ASSISTED WASTEWATER LOAN PROGRAM
BINDING COMMITMENTS BY QUARTER
FISCAL YEAR ENDED JUNE 30, 2020

RECIPIENT NAME	LOAN NUMBER	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4	TOTAL	TYPE OF ASSISTANCE
Part 3: Nonpoint Source Projects (Section 319)		None					
Subtotal: Section 319 Base Loans		\$ -	\$ -	\$ -	\$ -	\$ -	
Subtotal: Section 319 ARRA Loans		\$ -	\$ -	\$ -	\$ -	\$ -	
TOTAL SECTION 319 LOANS		<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	
PROJECT GRAND TOTALS							
Base Loans		\$ 3,490,370	\$ 12,423,092	\$ 2,265,578	\$ 26,132,336	\$ 44,311,376	
ARRA Loans		\$ -	\$ -	\$ -	\$ -	\$ -	
GRAND TOTAL		<u>\$ 3,490,370</u>	<u>\$ 12,423,092</u>	<u>\$ 2,265,578</u>	<u>\$ 26,132,336</u>	<u>\$ 44,311,376</u>	
PART 4: National Estuary Projects - (Section 320)		None					
Part 5: PROGRAM ADMINISTRATION		\$ -	\$ 271,481	\$ 342,012	\$ -	\$ 613,493	
NET TOTALS		\$ 3,490,370	\$ 12,694,573	\$ 2,607,590	\$ 26,132,336	\$ 44,924,869	
CUMULATIVE TOTALS		\$ 3,490,370	\$ 16,184,943	\$ 18,792,533	\$ 44,924,869		
FEDERAL PAYMENTS - 2019			\$ 367,347	\$ 17,583,821	\$ 2,596,504	\$ 20,547,672	
CUMULATIVE FEDERAL PAYMENTS		\$ -	\$ 367,347	\$ 17,951,168	\$ 20,547,672		
BINDING COMMITMENT % OF PAYMENTS		N/A	4406%	105%	219%		

Type of Assistance

- L = Loan
- (1) = Increase / (Decrease)
- (2) = Planning and Design

EXHIBIT 3
KENTUCKY INFRASTRUCTURE AUTHORITY
FEDERALLY ASSISTED WASTEWATER LOAN PROGRAM
SOURCE AND ALLOCATION OF SRF FUNDS
FISCAL YEAR ENDED JUNE 30, 2020

CUMULATIVE SOURCES		FY 2020 DISBURSEMENTS				
	TOTAL	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4	TOTAL
Capitalization Grants	\$ 592,296,930	\$ -	\$ 10,951,473	\$ 8,462,607	\$ -	\$ 19,414,080
State Matching Funds (1)	113,418,773	2,246,955	1,797,645	0	0	4,044,600
Revenue Bond Proceeds (Net of Issue Costs)	335,000,000	0	0	0	0	0
Program Administration (2)	24,679,033	0	271,481	342,012	0	613,493
TOTALS	<u>\$1,065,394,736</u>	<u>\$ 2,246,955</u>	<u>\$ 13,020,599</u>	<u>\$ 8,804,619</u>	<u>\$ -</u>	<u>\$ 24,072,173</u>

(1) Includes Construction and Admin State Match

(2) Federal Share Only

**EXHIBIT 4
KENTUCKY INFRASTRUCTURE AUTHORITY
FEDERALLY ASSISTED WASTEWATER LOAN PROGRAM
LOAN COMMITMENTS WITH PRINCIPAL FORGIVENESS SUBSIDY
FISCAL YEAR ENDED JUNE 30, 2020**

RECIPIENT NAME	LOAN NUMBER	PROJECT NAME	AMOUNT OF ASSISTANCE	PRINCIPAL FORGIVENESS	INTEREST RATE	MHI	MHI AS % OF STATE	POPULATION
Burkesville, City	A20-002	WWTP Improvements	\$ 2,580,370	\$ 1,000,000	0.50%	\$ 19,772	42.5%	1,491
Lincoln County Sanitary District	A20-003	US 127 Corridor Sanitary Sewer Project Phase 2	\$ 3,018,100	\$ 1,000,000	0.50%	\$ 37,227	80.0%	1,726
City of South Shore	A20-037	Upgrade Forest Heights Collection Lines	\$ 1,035,000	\$ 517,500	0.50%	\$ 36,203	77.8%	2,277
McCreary County Water District	A20-047	Sanitary Sewer Collection System Expansion - Phase 1	\$ 3,244,500	\$ 450,000	0.50%	\$ 17,506	37.6%	5,274
Pineville, City	A20-004	Virginia Ave/Courthouse Square Utility Replacements	\$ 2,454,000	\$ 919,050	0.50%	\$ 21,683	46.6%	3,106
Bedford, City	A20-023	Wastewater System Improvements	\$ 909,500	\$ 454,750	0.50%	\$ 31,399	67.5%	957
Dawson Springs, City	A20-019	Sanitary Sewer System Rehabilitation and WWTP Improvement	\$ 1,000,000	\$ 475,500	0.50%	\$ 24,198	52.0%	2,674
Greenup Joint Sewer Agency	A20-029	Phase 2 Sewer Line Extension (Lloyd)	\$ 2,715,000	\$ 710,000	0.50%	\$ 37,228	80.0%	827

TOTALS

8

\$ 16,956,470 \$ 5,526,800

All subsidies were provided in the form of loan forgiveness. With the exception of package plant removal projects, a borrower's entire service area must have a median household income (MHI) not to exceed \$37,228 to be eligible for principal forgiveness under the 2020 Intended Use Plan. See "Additional Subsidization" in the IUP commentary for a detailed discussion of principal forgiveness for 2020.

EXHIBIT 5
KENTUCKY INFRASTRUCTURE AUTHORITY
FEDERALLY ASSISTED WASTEWATER LOAN PROGRAM
LOAN COMMITMENTS WITH GREEN PROJECT RESERVE
FISCAL YEAR ENDED JUNE 30, 2020

RECIPIENT NAME	LOAN NUMBER	PROJECT NAME DESCRIPTION	CATEGORICAL (C) OR BUSINESS CASE (B)	AMOUNT OF ASSISTANCE	TOTAL GREEN	GREEN INFRASTR.	ENERGY EFFICIENCY	WATER EFFICIENCY	ENVIRONM. INNOVATIVE	POPULATION
Adair County Water District	A20-016	Downtown Sewer Improvement Project	C	\$ 2,104,870	\$ 2,104,870		\$ 2,104,870			4,562
TOTALS	<u>1</u>			<u>\$ 2,104,870</u>	<u>\$ 2,104,870</u>	<u>\$ -</u>	<u>\$ 2,104,870</u>	<u>\$ -</u>	<u>\$ -</u>	

EXHIBIT 6
KENTUCKY INFRASTRUCTURE AUTHORITY
FEDERALLY ASSISTED WASTEWATER LOAN PROGRAM
TOTAL DISBURSEMENTS
FISCAL YEAR ENDED JUNE 30, 2020

PROJECT NAME	LOAN NUMBER	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4	TOTAL
CAPITALIZATION GRANT FUNDS						
Bardstown, City of	A19-047	1,111,641			1,518,477	2,630,118
Burkesville, City of	A19-045			170,074	8,276	178,350
Daviess Co FC	A17-014			245,189	82,282	327,471
Frankfort, City of	A14-006				602,676	602,676
Frankfort, City of	A17-006				145,774	145,774
Hawesville, City of	A16-059	370,419				370,419
La Center, City of	A19-026	103,848				103,848
La Grange Utilities Commission	A18-016	198,115		340,046	153,353	691,513
Lexington Fayette Urb Co Gov	A15-026	1,893,655		367,704	2,945,680	5,207,039
Lincoln County Sanitation District	A15-026	202,500				202,500
London, City of (Utility Commission)	A19-048				130,452	130,452
Marion, City of	A18-003	1,302,258		181,034	887,482	2,370,774
Marshall County Fiscal Court	A18-014			33,364	279,543	312,907
Maysville, City of	A17-011				121,501	121,501
Murray, City of	A12-12	876,458		285,874	631,784	1,794,116
Murray, City of	A19-031	304,464				304,464
Nicholasville, City of ***ACH***	A15-090	231,237			219,458	450,696
Nicholasville, City of ***ACH***	A20-045				57,433	57,433
Oldham County Environmental Auth	A17-028			199,692		199,692
Oldham County Environmental Auth	A18-010	481,485			311,650	793,135
Paducah, City of	A18-028				450,242	450,242
Paducah-McCracken Co Joint Sew Agncy	A17-033				742,186	742,186
Paducah-McCracken Co Joint Sew Agncy	A18-022				486,206	486,206
Regional Water Resource Agency	A15-002	344,497		131,092	559,188	1,034,777
Regional Water Resource Agency	A18-007	720,000			1,120,895	1,840,895
Regional Water Resource Agency	A18-026	283,721		241,366	765,845	1,290,932

EXHIBIT 6
KENTUCKY INFRASTRUCTURE AUTHORITY
FEDERALLY ASSISTED WASTEWATER LOAN PROGRAM
TOTAL DISBURSEMENTS
FISCAL YEAR ENDED JUNE 30, 2020

PROJECT NAME	LOAN NUMBER	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4	TOTAL
Sanitation District #1	A11-14				176,354	176,354
Stanton, City of	A17-037	38,309		51,522	352,379	442,210
PROJECT TOTAL		\$ 8,462,608	\$ -	\$ 2,246,955	\$ 12,749,117	\$ 23,458,680
PROGRAM ADMINISTRATION		\$ -	\$ 271,481	\$ 342,012	\$ -	\$ 613,493
FIRST USE TOTALS		\$ 8,462,608	\$ 271,481	\$ 2,588,967	\$ 12,749,117	\$ 24,072,173
CUMULATIVE TOTALS		\$ 8,462,608	\$ 8,734,089	\$ 11,323,056	\$ 24,072,173	
REPAYMENT FUNDS						
Augusta Regional Sewer Authority	A114-015				42,815	42,815
Augusta Regional Sewer Authority	A17-001		228,019			228,019
Bardstown, City of	A19-047		296,240			296,240
Burkesville, City of	A19-045	12,090	9,721		15,126	36,937
Corbin, City of	A19-025		715,575			715,575
Daviess Co FC	A17-014	25,000			82,293	107,293
Eddyville, City of	A20-027		211,982			211,982
Elkhorn City, City of	A16-036			7,000		7,000
Elkton, City of	A18-015	31,687		77,812	55,048	164,547
Elkton, City of	A19-001	43,441	628,014			671,455
Farmdale Sanitation District	A16-084			31,455		31,455
Frankfort, City of	A16-054			778,360		778,360
Frankfort, City of	A17-007			311,013		311,013
Harrodsburg, City of	A16-033			1,365	31,715	33,080
Hawesville, City of	A16-059	44,582				44,582
Hodgenville, City of	A16-029		9,267			9,267
La Center, City of	A19-026	13,162				13,162
La Grange Utilities Commission	A18-016			336,011		336,011
Lancaster, City of	A19-011	41,600		92,720	19,200	153,520

EXHIBIT 6
KENTUCKY INFRASTRUCTURE AUTHORITY
FEDERALLY ASSISTED WASTEWATER LOAN PROGRAM
TOTAL DISBURSEMENTS
FISCAL YEAR ENDED JUNE 30, 2020

PROJECT NAME	LOAN NUMBER	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4	TOTAL
Lexington Fayette Urb Co Gov	A15-026		519,189	1,409,931		1,929,120
London, City of (Utility Commission)	A14-010	25,000		136,313	11,928	173,241
Marion, City of	A18-003		326,036	394,393		720,429
Marshall County Fiscal Court	A18-014		26,237	62,393		88,630
Morehead, City of	A19-032		2,213,955			2,213,955
Mount Sterling, City of	A20-007	5,000	12,625			17,625
Mountain Water District	A15-077			1,500		1,500
Murray, City of	A12-12		774,148	614,109		1,388,257
Murray, City of	A19-031	24,807	546,994			571,801
Nicholasville, City of ***ACH***	A15-090		330,038	10,430		340,468
Nicholasville, City of ***ACH***	A20-045	33,780	36,610			70,390
Oldham County Environmental Auth	A17-028		414,103			414,103
Oldham County Environmental Auth	A18-010		322,745			322,745
Paducah, City of	A18-028		13,020			13,020
Paducah-McCracken Co Joint Sew Agncy	A17-033	5,278		1,186,001	839,410	2,030,689
Paducah-McCracken Co Joint Sew Agncy	A18-022	25,000				25,000
Pineville, City of	A18-027			4,000		4,000
Regional Water Resource Agency	A15-002		305,568	101,182		406,750
Regional Water Resource Agency	A18-007	43,525	362,795			406,320
Regional Water Resource Agency	A18-026		187,996	717,587		905,583
Salyersville, City of	A16-077			14,620		14,620
Stanton, City of	A17-037	131,793		56,053	14,372	202,218
Western Mason Sanitation District	A19-040			83,779	6,052	89,830
Williamsburg, City of	A17-031		141,726	88,682		230,408
PROJECT TOTAL		\$ 505,744	\$ 8,632,604	\$ 6,516,708	\$ 1,117,958	\$ 16,773,014
GRAND TOTAL		\$ 8,968,352	\$ 8,904,085	\$ 9,105,675	\$ 13,867,075	\$ 40,845,187

EXHIBIT 7
KENTUCKY INFRASTRUCTURE AUTHORITY
FEDERALLY ASSISTED WASTEWATER LOAN PROGRAM
PROPORTIONATE FEDERAL SHARE THROUGH CASH DRAWS
FISCAL YEAR ENDED JUNE 30, 2020

SELECT DISBURSEMENTS	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4	TOTAL
FIRST ROUND	\$ 8,462,608	\$ -	\$ 2,246,955	\$ 12,749,117	\$ 23,458,680
ADMINISTRATION	0	271,481	342,012	0	613,493
REPAYMENT	505,744	8,632,604	6,516,708	1,117,958	16,773,014
REVENUE BONDS	0	0	0	0	0
TOTAL SELECT DISBURSEMENTS	\$ 8,968,352	\$ 8,904,085	\$ 9,105,675	\$ 13,867,075	\$ 40,845,187
CUMULATIVE TOTAL	\$ 8,968,352	\$ 17,872,437	\$ 26,978,112	\$ 40,845,187	
CASH DRAW FROM LINE OF CREDIT	\$ -	\$ 11,222,954	\$ 8,804,619	\$ -	\$ 20,027,573
STATE SHARE	\$ 2,246,955	\$ 1,797,645	\$ -	\$ -	\$ 4,044,600
CASH DRAWS AS % OF DISBURSEMENTS	0%	126%	97%	0%	49%

**EXHIBIT 10
KENTUCKY INFRASTRUCTURE AUTHORITY
FEDERALLY ASSISTED WASTEWATER REVOLVING LOAN PROGRAM
REPORT OF ANNUAL LOAN REPAYMENTS
FISCAL YEAR ENDED JUNE 30, 2020**

Number of Days Past Due

Loan Number	Borrower	Total	0 - 30	31 - 120	121 & over
A06-01	Ledbetter Water District	129,985.15	56,097.03	0.00	73,888.12
A12-28	Perry County Sanitation District #1	113,385.59	35,705.42	0.00	77,680.17
A15-010	Brodhead, City of	8,150.30	8,150.30	0.00	0.00
TOTALS		<u>251,521.04</u>	<u>99,952.75</u>	<u>0.00</u>	<u>151,568.29</u>

EXHIBIT 11
KENTUCKY INFRASTRUCTURE AUTHORITY
FEDERALLY ASSISTED WASTEWATER LOAN PROGRAM
PROJECT PRIORITY LIST STATUS REPORT
FISCAL YEAR ENDED JUNE 30, 2020

<u>Rank</u>	<u>Applicant</u>	<u>Project Title</u>	<u>Invitation Status</u>
*	Marion, City of	City of Marion - New Wastewater Treatment Plant	Accepted
*	Hopkinsville Water Environment Authority	HWEA SRF Phase VIII - Expand Hammond-Wood WWTP & Interceptor	Bypassed
**	Lancaster, City of	Lancaster Sanitary Sewer Improvements Project	Withdrawn
**	Burkesville, City of	Burkesville WWTP Improvements	Accepted
**	Lincoln County Sanitation District	LCSD - US 127 Corridor Sanitary Sewer Project, Phase 2	Accepted
**	Pineville, City of	Virginia Avenue/Courthouse Square Utility Replacements	Accepted
**	Louisa, City of	City of Louisa I & I Rehab Project	Bypassed
**	Prestonsburg, City of	PCUC: Big Sandy Regional Waste Water Treatment Plant	Withdrawn
7	Mount Sterling, City of	Wastewater Capacity Upgrade Project	Accepted
8	Louisville And Jefferson County Metropolitan Sewer District	Yorktown and Pond Creek I & I Project	Declined
9	Tompkinsville, City of	Tompkinsville WWTP Expansion & Sanitary Sewer Collection Improve	Bypassed
10	Louisville And Jefferson County Metropolitan Sewer District	Upper Middle Fork Pump Station Improvements and Diversion	Declined
11	Wingo, City of	City of Wingo - Wastewater System Improvements	Bypassed
12	Auburn, City of	City of Auburn - Upgrade of Existing Wastewater Treatment Plant	Withdrawn
13	Winchester Municipal Utilities Commission	WMU - Flanagan and Madison Outfall Sewers	Declined
14	Lewisburg, City of	Lewisburg Sewer System Upgrade	Accepted
15	Brandenburg, City of	Brandenburg Wastewater Treatment Plant	Withdrawn
16	Adair County Water District	Downtown Sewer System Improvements - Phase 1	Accepted
17	Mercer County Sanitation District	M C S D - Gwinn Island Road Sanitary Sewer Extension	Withdrawn
18	Calvert City, City of	WWTP INFLUENT LIFT STATION AND PLANT IMPROVEMENTS	Accepted
19	Dawson Springs City Water and Sewer	Sanitary Sewer System Rehabilitation and WWTP Improvements	Accepted
20	Morehead, City of	Derrickson Lift Station Upgrade Project	Accepted
21	Brodhead, City of	City of Brodhead - WWTP Upgrade and Improvement	Bypassed
22	Kuttawa, City of	City of Kuttawa - Lift Station & Force Main Replacement Projects	Accepted
23	Bedford, City of	Bedford Wastewater System Improvements Project	Accepted
24	Smithland, City of	Smithland Sewer Rehabilitation	Accepted
25	Hodgenville, City of	Hodgenville WWTP Upgrade & Wet Weather Storage	Accepted
26	Ashland, City of	Ashland: Enlarge Sewer Treatment Plant to Eliminate Overflows	Withdrawn
27	Eddyville, City of	Wastewater SSES and Rehabilitation - South of Fairview Ave	Accepted
28	Beattyville, City of	Beattyville Sewer Rehabilitation Project	Declined
29	Greenup Joint Sewer Agency	Phase 2 Sewer Line Extension Project (Lloyd)	Accepted
30	Jackson, City of	Jackson Sewer Rehabilitation Project	Accepted
31	Russell, City of	City of Russell I & I Study and Sewer Rehab Project	Accepted
32	Paducah McCracken County Joint Sewer Agency	Paducah LTCP Project #3 - Outfall 003 Fine Screening - Phase One	Accepted

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33	Sebree, City of	Sebree Sanitary Sewer Replacement	Accepted
34	Maysville, City of	Wall Street Combined Sewer Elimination	Accepted
35	Graves County Water District	Graves County-KY 80 North, Fancy Farm	Withdrawn
36	Perry County Sanitation District	Wendell H. Ford Airport Subdivisions Sewer System	Bypassed
37	South Shore, City of	South Shore: Upgrade Forest Heights Collection Lines	Accepted
38	Morganfield, City of	Job Corps / Morganfield Wastewater Project	Declined
39	Stanford, City of	Stanford Sewer Rehabilitation - Phase I	Withdrawn
40	Oldham County Environmental Authority	OCEA Lift Station Rehab, Renovation, and Replacement	Accepted
41	Boyd County Sanitation District #2	Sd2: System-Wide Inflow and Infiltration Abatement Project	Withdrawn
42	McCreary County Water District	McCreary Co./KY 1651/East Appletree Rd. Area Sewer System Extensions	Withdrawn
43	McCreary County Water District	McCreary Co WD-Pine Knot (KY 1651 & US 92) Area Sanitary Sewer Project	Withdrawn
44	Frankfort, City of	Silverlake Pump Station Replacement	Withdrawn
45	Nicholasville, City of	Nicholasville WWTP Expansion Planning & Design	Accepted
46	South Shore, City of	South Shore: Upgrade McKell Lift Station	Declined
47	McCreary County Water District	MCWD-Sanitary Sewer Collection System Expansion-- Phase 1	Accepted
48	Booneville, City of	Booneville I/I Replacement Project	Declined
49	Northern Madison County Sanitation District	Boone Village Wastewater Collection System	Accepted
50	Adair County Water District	Burkesville Street Lift Station Replacement and Sanitary Sewer Expansion	Not Invited
51	Regional Water Resource Agency	Max Rhoads WWTP Sludge Process Improvements	Not Invited
52	Stanton, City of	Stanton SSES and Sewer Rehab	Not Invited
53	Letcher County Water & Sewer District	WWTP for Federal Prison at Roxanna	Not Invited
54	Scottsville, City of	City of Scottsville - Inflow and Infiltration Project, Phase I	Not Invited
55	Georgetown Municipal Water and Sewer Service	Wastewater Treatment Plant No. 1 Expansion and Upgrade	Not Invited
56	Eddyville, City of	Eddyville - New Industrial Park Lift Station Project	Not Invited
57	Flatwoods, City of	Rehab of sewer lines on Gregory and Diedrich	Not Invited
58	Fleming-Neon, City of	Fleming-Neon Sewer Rehabilitation Project	Not Invited
59	Mayfield, City of	Mayfield Outfall Relocation	Not Invited
60	Maysville, City of	East Kentucky Lift Station Rehabilitation	Withdrawn
61	Northern Madison County Sanitation District	NMCSD - Madison Village Collection System Rehab	Not Invited
62	Morganfield, City of	Job Corps Sewer Rehabilitation and Replacement Project	Not Invited
63	Hardinsburg, City of	Hardinsburg Sewer System Rehabilitation Phase 2	Not Invited
64	Frankfort, City of	East Frankfort Interceptor Phase III Wet Weather Facility	Not Invited
65	Eddyville, City of	Eddyville - Sewer Lagoon Dredge	Not Invited
66	Munfordville, City of	Munfordville Sewer Extensions and Pump Station Rehabilitations	Not Invited
67	Middlesboro, City of	Middlesboro WWTP UV Disinfection Addition	Not Invited
68	Berea, City of	BMU - Madison County Airport - Sewer Line Extension Project	Not Invited
69	Hart County Industrial Authority	Progress Park Industrial Park Pretreatment Expansion	Accepted

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70	Louisville And Jefferson County Metropolitan Sewer District	Biosolids Processing Solution	Not Invited
71	Winchester Municipal Utilities Commission	WMU - Strodes Creek WWTP Solids Processing Facility Improvements	Not Invited
72	Hardinsburg, City of	Hardinsburg WWTP Improvements II	Not Invited
73	Regional Water Resource Agency	Spring Lane Sewer Extension	Not Invited
74	Scottsville, City of	City of Scottsville - US 231 Sewer Extension	Not Invited
75	Fredonia, City of	Fredonia - Lift Station Improvements	Not Invited
76	Princeton Water & Wastewater Commission	Princeton - WWTP Improvements-Grit Chamber and Sludge Holding Tank	Not Invited
77	Boyd County Sanitation District #4	SD4: Rehab Ray Drive Sewer Line	Not Invited
78	Madisonville, City of	Madisonville - Noel Avenue Interceptor Project	Not Invited
79	Versailles, City of	Versailles - WWTP Improvements - Belt Filter Press Replacement	Not Invited
80	Sacramento, City of	Sacramento Gravity Sewers - Phase II	Withdrawn
81	Somerset, City of	Pitman Creek WWTP Improvements and South US 27 Phase 2 Sewer Extensions	Not Invited
82	Uniontown, City of	Uniontown Lagoon Dredging	Not Invited
83	Mayfield, City of	Cuba Road Gravity Relief Sewer	Not Invited
84	Danville, City of	Danville - Wastewater Treatment Plant Improvements	Not Invited
85	Cumberland, City of	Tri Cities Sewer Interconnect Phase 1	Not Invited
86	Cumberland, City of	City of Cumberland Waste Water Treatment Plant Rehabilitation	Not Invited

* Funding is being prioritized for projects requesting an increase to an existing SRF construction loan or multi-year loans.

** Funding is being prioritized for projects having an active SRF planning and design loan