



STATE OF WEST VIRGINIA
DEPARTMENT OF HEALTH AND HUMAN RESOURCES
Bureau for Public Health

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Cabinet Secretary

Office of Environmental Health Service

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Commissioner
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September 24, 2018

Ms. Lea Ruiz
U. S. Environmental Protection Agency
Region III (3WP21)
1650 Arch Street
Philadelphia, PA 19103-2029

RE: West Virginia Drinking Water
State Revolving Fund
SFY 2018 SRF Annual Report

Dear Ms. Ruiz:

Enclosed are three (3) copies of the State Fiscal Year 2018 SRF Annual Report for the West Virginia Drinking Water Treatment State Revolving Fund; please distribute these at your discretion.

If you have any questions concerning this report, please contact me at (304) 356-4301 or by e-mail at robert.w.decrease@wv.gov.

Very truly yours,

A handwritten signature in blue ink that reads "Robert DeCrease".

Robert W. DeCrease, P.E., Manager
Drinking Water State Revolving Fund
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RWD:hc

Enclosure

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**West Virginia Drinking Water Treatment State Revolving Fund Annual
Report for State Fiscal Year 2018**



BUREAU FOR PUBLIC HEALTH

**ENVIRONMENTAL
HEALTH SERVICES**

West Virginia Department of Health and Human Resources

Prepared: September 2018

**Our Vision:
Healthy People through Healthy Environments
In West Virginia**

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ACRONYMS

ARRA	American Recovery and Reinvestment Act
AWWA	American Water Works Association
C&T	Certification & Training
CAP	Capitalization Grant
CDA	Capacity Development Assessment
CEH	Continuing Education Hours
DWNIMS	Drinking Water National Information Management System
DWSRF	Drinking Water State Revolving Fund
DWTRF	Drinking Water Treatment Revolving Fund
FCTR	Federal Cash Transaction Report
FSR	Financial Statement Report
GPR	Green Project Reserve
GAAP	General Acceptance Accounting Principals
GIS	Geographic Information Systems
GWUDI	Ground Water Under Direct Influence
IUP	Intended Use Plan
LGA	Local Government Agency
MUB	Morgantown Utility Board
OEHS	Office of Environmental Health Services
PSC	Public Service Commission
PWS	Public Water System
PWSS	Public Water Supply Supervision
RAIN	River Alert Information Network
SDWIS	Safe Drinking Water Information System
SDWA	Safe Drinking Water Act
SFY	State Fiscal Year
SRF	State Revolving Fund
SWAP	Source Water Assessment and Protection
TMF	Technical, Managerial, Financial Capacity
USEPA	United States Environmental Protection Agency
WAP	Watershed Assessment Program
WDA	Water Development Authority
WHPP	Wellhead Protection Plan
WVAW	West Virginia American Water
WVETC	West Virginia Environmental Training Center
WVIJDC	West Virginia Infrastructure and Jobs Development Council
WVRWA	West Virginia Rural Water Association

I. INTRODUCTION

The State of West Virginia is pleased to submit the Annual Report on the Drinking Water State Revolving Fund (DWSRF) for State Fiscal Year (SFY) 2018. The report addresses operations of the DWSRF during the period from July 1, 2017 through June 30, 2018. West Virginia received one appropriated Federal Fiscal Year Capitalization (CAP) Grant during this period.

This comprehensive report provided to the public and to the Environmental Protection Agency (USEPA) Region III Office details the activities undertaken to reach the goals and objectives set forth in the Revised Intended Use Plan (IUP) for July 1, 2017 through June 30, 2018. This report documents the program status by describing the progress made toward short- and long-term program goals, the sources of funds (e.g., federal grants), uses of all funds (e.g., loans), financial status of the DWSRF, and compliance with federal DWSRF requirements.

The Annual Report presents five major sections. Section I provides the introduction and overview of the program achievements. Section II provides a summary of progress made toward reaching long- and short-term goals of the program. Section III provides details on loan and set-aside activities. Section IV provides a financial overview of the program conditions. Section V provides a compliance update with the federal capitalization grant agreement and the operating agreement. The overview in Table 1 below describes the activity of the construction fund known as the Drinking Water Treatment Revolving Fund (DWTRF).

Table 1: DWTRF Overview

West Virginia DWTRF - OVERVIEW	
SFY 2018 (July 1, 2017 - June 30, 2018)	
Total Cumulative Investment:	\$318,749,960
SFY 2018 Investment:	\$19,179,729
Total Number of Projects:	6 (9 Loans)
Total Project Funding (Closed Loans):	\$17,678,449
Total Population Served:	11,389
Principal Forgiveness Agreements:	3
Principal Forgiveness Funding:	\$2,997,000
Interest Rates:	4 projects - 0.5 Percent 2 projects - 0.75 Percent
Repayment Period:	6 projects - 30 years
Small Systems Funded:	6 Projects for \$17,678,449
Disadvantaged Community Loan Funding Including Principal Forgiveness:	6 Projects (9 Loans) for \$17,678,449

II. GOALS AND ACCOMPLISHMENTS

OEHS developed the revised IUP goals listed below. The short-term goals support the program's long-term goals implementation. The long-term goals provide a framework to guide DWSRF program management decisions.

A. Progress Toward Short-Term Goals

1. Increase source water protection for surface water by further developing a surface source water/early warning detection system: River Alert Information Network (RAIN) in the Monongahela River Basin and examine feasibility of duplicating that system into other drainage basins in West Virginia.

Continued to participate in the River Alert Information Network (RAIN). A website is currently being maintained at <http://www.rainmatters.org/> where WV PWSs located within the Monongahela River drainage area participates. Ten (10) source water monitoring panels have been installed in ten (10) facilities in or just outside the Monongahela River Basin through RAIN. Purchased ten (10) Welbeck units to address data transmission from the PWSs stations for display on the internet. These monitors will serve as early detection and warning of degradation of source water for member systems as well as the public. Staff attended several RAIN meetings during this reporting period.

2. Support the Stream Gaging Network for the purpose of collecting stream flow data that is used to document variations in flow over time for various rivers in West Virginia. These data are used to develop more accurate flow models for future protection area generation and determining more accurate time of travel models for waterborne contaminants.

Office continues to support and attend the West Virginia Gaging Council meetings and becoming an official member. A \$40,000 grant to the Gaging Council (through the WV DEP) was awarded to support this continued effort.

B. Progress Toward Long-Term Goals

1. Provide the necessary infrastructure replacement, upgrade, and service with the overall goal of upgrading water quality for existing public water customers and providing water to private customers whose water currently does not comply with the SDWA. The DWTRF had a utilization goal of meeting or exceeding the national average and the average of EPA's Region 3 states by achieving a 2018 fund utilization goal of 95%. Progress toward this goal is being achieved through the DWTRF loans to public water systems in Table 2.

Table 2: DWTRF Loan Summary

Description	# of Loans	\$ Amount of Loans
Closed Loans prior to SFY 2018	127	\$228,505,000
Closed Loans during SFY 2018	9	\$17,678,449
Total Closed Loans	136	\$246,183,449

Refer to Appendix A-1 for a list of closed loans.

The DWTRF program had six projects closing nine loans this year and two projects had binding commitment letters totaling \$633,704 that did not close loans and nine projects pending commitment letters for the next year for \$26,184,296 totaling \$26,818,000. These eleven projects have not closed loans as of the end of SFY 2018 as shown in Appendix A-2. The Office of Environmental Health Services (OEHS) has cumulatively committed to 136 project loans with the DWTRF, also known as the DWSRF Construction Loan Fund, totaling \$246,183,449 to improve the drinking water infrastructure. Some of these projects will allow water systems to upgrade facilities and improve the operation of their water treatment plants and distribution systems. Some projects will provide potable water to residents who currently have unreliable water wells and cisterns and have poor quality water. The program provides opportunities for them to connect to public water sources. All of these projects will allow the public water systems to maintain compliance with the Safe Drinking Water Act.

This year's utilization rate is 98% of all available funds as compared to the previous year's rate of 96%. OEHS has continued to meet the goal of attaining the national and regional utilization rates of 93% and 95% respectively.

Staff continues to participate in the West Virginia Infrastructure and Jobs Development Council (WVIJDC). Participation in this process on a monthly basis provides oversight for a technical feasibility review of applications and to maximize all available state and federal funding sources. OEHS staff chairs the water technical review committee and are a member of the wastewater technical review committee. The committee reviews incoming WVIJDC applications, various funded project change orders, design loan requests, uses of contingency monies, and either recommends forwarding these submittals to the Infrastructure Council Funding Committee for approval or returning them due to either technical or financial deficiencies. During the SFY 2018, the OEHS reviewed 25 water project application submittals and reviewed 15 wastewater project application submittals.

2. Develop the DWTRF to ensure the long-term fund perpetuity to provide for future additional projects from loan repayments.
 - a. Conduct financial, managerial, and technical capacity assessments under the Capacity Development Program on potential loan recipients to assure fiscal responsibility. OEHS

staff conducts financial, managerial, and technical capacity assessments under the Capacity Development Program for all potential DWTRF loan recipients to assure fiscal responsibility. During SFY 2018, the OEHS continued to conduct capacity development assessments to determine the loan recipient's capacity and viability. The OEHS conducted 6 assessments for potential loan recipients during this reporting period. The Capacity Development Unit has completed a capacity development assessment for all loan recipients this year. All the loan recipients assessed had or will have, at the end of the project, adequate capacities and were recommended for a potential DWTRF loan.

- b. Monitor repayment activity of loan recipients and take aggressive action for collection of delinquent payments from loan recipients.

The West Virginia Water Development Authority (WDA) has been contracted to monitor the DWTRF repayment activity. During SFY 2018, five additional DWTRF loans began making payments into the account for a total of 107 loans. During this reporting period no loan recipients were deficient in any significant amount of repayments back to DWTRF program. Monthly reports from the West Virginia Municipal Bond Commission, the paying agent for the DWTRF loans, are received and reviewed by WDA and OEHS. WDA sends a letter to the loan recipient when the required debt service or reserve payments are not made. If the letters are not effective, WDA can file a complaint with the Public Service Commission of West Virginia (PSC) for their intervention.

At the end of SFY 2018, three water systems required a Super Circular Audit Review for SFY 2017. Two of the audits were completed and one is currently in progress. The desk audit reviews can be seen in Appendix F. WDA tracks the submission of monthly financial reports and annual financial audit reports. This financial tracking is in Appendix G. The WDA continues to follow-up with water systems that are late in submitting audit reports. Twenty-one systems out of a total of twenty-three have submitted financial reports or budgets for the prior year. Efforts will continue to have the water systems to submit the financial reports.

- c. Market the DWTRF through various conferences (for example, WV Rural Water Association Conference, American Water Works Association, and WVIJDC Meetings), pamphlets/brochures and newsletters on SRF program activities.

OEHS participated in compiling materials and performing activities aimed toward marketing the DWTRF program. These activities included presentations and personal interactions at the West Virginia Rural Water Association Conference, WVIJDC meetings and the WV Public Service Commission PSD Board and Municipal Board seminars; an article in the West Virginia Contractor's Annual Fall edition magazine and participation in the WV Contractor's Association Task Force meetings. The OEHS funded a portion of the Rural Water Association 12-month calendar for water treatment operator continuing education hour training in conjunction with the West Virginia Drinking Water Education and Training Coalition members.

- d. Provide drinking water infrastructure design loans as needed to increase the project completion rate.

The DWTRF program continues to provide design loans to move projects forward toward construction. Two new projects received design loans. Two projects that closed a construction loan had received a design loan in prior years.

- e. Evaluate the long term perpetuity of the fund by considering loan interest rates to help mitigate the impact of inflation on the fund. The EPA financial planning model can be used to project the fund viability into the far future. This Intended Use Plan (IUP) is consistent with financial planning to maintain the financial health of the fund.

During this reporting period EPA Region III performed a review of the financial health of the DWTRF for SFY2017. The Performance Evaluation Report states the DWTRF fund account continues to have a strong cash flow; financial management is sound; internal controls are in place; annual independent audits are performed; and all funds are invested prudently. The Infrastructure Council and Public Service Commission perform a detailed credit analysis and a financial capability assessment on all loan recipients. Consequently, there have not been any loan defaults or major delinquencies with loan recipients. For the 2018 Cap Grant, the loan interest rates have been increased by 0.25% to better offset inflation for future years.

3. Close the DWTRF loans to recipients within twelve months of a letter of binding commitment.

For the reporting year, 100% of the six projects that closed loans occurred within 12 months from the binding commitment letter date. On a cumulative basis we have 74.8% of all loans completed within 12 months from the binding commitment letter date.

4. Continue implementation of the Capacity Development Strategy including assisting existing public water supplies in acquiring and maintaining the technical, managerial, and financial capacity to comply with the federal SDWA. Provide assistance to ensure that all new community water supplies and new non-transient non-community supplies have the technical, managerial, and financial capacity to comply with current regulations and those regulations likely to be in effect, when the system initiates operations.

Capacity Development Program continues to conduct financial, managerial, and technical capacity assessments on public water systems and provide necessary assistance to ensure compliance with the SDWA. The West Virginia Capacity Development Program Annual Report was provided to the EPA in November 2017. This Annual Report documented continued compliance with SDWA Section 1420(a) and provided a summary of capacity development program activities between October 1, 2016 and September 30, 2017. More information is in the State Program Management Capacity Development section of this report for details of this program.

5. Continue development, enhancement, and improvement of the Public Water Supply Supervision (PWSS) through improved methodology and consistency of the sanitary

surveys. This includes completion of a full complement of staffing in the district offices and final development of an automated data collection system for private laboratories to forward results of total organic compounds.

District Office staff continue development, enhancement, and improvement of the Public Water Supply Supervision (PWSS) through improved methodology and consistency of the sanitary surveys. This includes maintaining a full complement of staffing in all five (5) District Offices. These offices, located throughout the State, conduct comprehensive sanitary surveys to ascertain Public Water System (PWS) compliance with State and Federal Drinking Water Standards structured in accordance with USEPA's Eight Essential Elements of a Sanitary Survey. Community surface and groundwater-under-the-influence (GWUDI) water systems, along with purchase system from such sources, are surveyed every three years. All other systems are surveyed every five years. Quality assurance audits are done via queries of our database to ensure surveys are scheduled on time. Additional quality control monitoring is done to ensure the surveys are conducted on time as well. Subsequently, standard operating procedures are being developed for consistency with management of deficiencies cited in the surveys, required responses from the PWS and the corrective action plans needed to address deficiencies.

The District Offices utilize an automated program called SWIFT (Safe Water Information Field Tool) to assist in preparing the sanitary survey reports. However, because the currently employed SWIFT is an older "legacy" version, it is anticipated that an upgrade to the newer SWIFT Surveys version of the tool will occur pending the availability of funding. This will enhance our ability to complete sanitary surveys in a timely manner and with greater accuracy in data collection and consistency in standards enforcement.

6. Protect source water from future contamination through Source Water Assessment and Protection (SWAP) and WHP programs:
 - a. Continue developing and implementing SWAP/WHP programs.
 - b. Determine if water sources are groundwater under the direct influence (GWUDI) of surface water.
 - c. Continue collaborating with West Virginia Department of Environmental Protection's (WVDEP) Underground Injection Control (UIC) Program.
 - d. Update and expand Geographic Information System (GIS) capabilities.

During this reporting period, various improvements and activities took place within the Source Water Assessment and Protection (SWAP) and Wellhead Protection (WHP) programs. Many of these activities are reported in the PWSS semi-annual reports provided to the EPA.
- 1) The WHP / SWAP Annual Report was completed and submitted to the EPA for FY 2016-2017 cycle. The report indicates 80% of the community water supplies and 96% of the population within West Virginia has obtained substantial implementation.

- 2) Continuing to update the source water protection tracking database with revisions such as - protection activities and enhancements to the SWAP/WHP protection plans (implemented and/or have substantial implementation status determination) are entered into this database.
 - 3) Continuing to implement the current Source Water Protection Geographic Information System (GIS) website (<https://oehsportal.wvdhhr.org/webportal/>) to a newer GIS Arc Server model, this website disseminates relevant source water information to PWSs, state agencies, federal agencies, and local governments to further source water protection.
 - 4) OEHS continues to fund the WV DEP UIC Class V Program. Quarterly reports are received and during this year the DEP inspected 220 sites, with 155 sites requiring corrective actions, such as plugging floor drains.
 - 5) New Public Water Systems (PWSs) and sources for existing PWSs have been and will continue to be contacted to complete GWUDI testing and are added to the GWUDI inventory on an ongoing basis.
 - 6) Provided funding to the WV Department of Environmental Protection to support the WV Stream Gage Council effort in West Virginia. Stream gages are operated throughout West Virginia to meet numerous water-resources management goals of Federal, State, and local government agencies. Staff attended various Stream Gaging Council meetings during this report period.
7. Continue implementation of the Certification & Training Program which is responsible for administrating the federally approved state program to all water resource professionals including public water system operators. Ensure required initial and continuing education certification courses are based on operator profession standards in support of overall public water system compliance. Collaborate with drinking water stakeholders and programs to share resources and priorities. The West Virginia Drinking Water Operator Certification Program Annual Report was provided to the EPA by June 30, 2017 and was last approved September 2017 as continuing to meet federal guidelines.

See the operator certification information in the Section 3 Program Management item 3 of this report for information on the Certification & Training Program.

8. Continue to strive to minimize unliquidated obligations (ULOs) by expeditiously disbursing both set-aside and construction funds in a timely manner. The goal is to attain a half year or less balance for the 2%, 10% and 15% set-asides at the time a new grant is awarded.

The ULOs were reduced by nearly 20 percent during this reporting period for the previously awarded grants. The program achieved the goal of having ULOs to be less than a half year's amount. Section IV C Set-Aside Unliquidated Obligations are shown in Figure 9.

III. DWTRF LOAN AND SET-ASIDE ACTIVITIES

In this section a detailed description of the DWSRF assistance activities during SFY 2018 are discussed. This section provides details on the sources of DWTRF program funding, the loan activities status, and the set-aside activities status. Table 3 through Table 11 provides information about the sources and uses of DWSRF funding. Table 3 shows all sources of DWSRF funds available in SFY 2018.

A. Sources of DWSRF Funding

1. Available Funds

The cumulative funding available for the DWSRF program in this reporting period totaled \$318,749,960 as shown in Table 3.

The federal capitalization grants and state matches have been the major sources of funding. Repayment funds are increasing as more loan recipients continue to start paying debt service to OEHS. Tables 3 through 11 show the details of the funds coming into the program and the planned uses of those funds. The major aspects of the funding sources and uses are described below:

Table 3. Available Funds

	Amount	Percentage
Capitalization Grant (w/o In-Kind Services)	\$199,576,382	62.61%
State Match (IJDC MATCH)	\$36,537,757	11.46%
Additional State Contributions (1 TO 1 Match)	\$13,476,600	4.23%
Investment Interest Earnings (IJDC Match)	\$1,940,133	0.61%
Principal Repayments Interest Earned	\$1,554,485	0.49%
Principal Repayments	\$52,563,590	16.49%
Interest Earnings on Loans	\$6,787,857	2.13%
Administration Fees	\$6,015,815	1.89%
Interest Earning on Admin Fees	\$297,341	0.09%
Total Available	\$318,749,960	100.00%

2. Capitalization Grants

One capitalization grant was awarded by EPA during the reporting period.

Table 4: Capitalization Grants

		With In-Kind Services	In-Kind Services	Without In-Kind Services	DWNIMS Report
Allotment 1998	Awarded SFY1999	\$12,558,800		\$12,558,800	\$12,558,800
Allotment 1999	Awarded SFY 2000	\$14,585,100		\$14,585,100	\$14,585,100
Allotment 2001	Awarded SFY 2002	\$7,757,000		\$7,757,000	\$7,757,000
Allotment 2002	Awarded SFY 2003	\$7,789,100		\$7,789,100	\$7,789,100
Allotment 2003	Awarded SFY 2004	\$8,052,500	\$10,000	\$8,042,500	\$8,042,500
Allotment 2004	Awarded SFY 2005	\$8,004,100		\$8,004,100	\$8,004,100
Allotment 2005	Awarded SFY 2006	\$8,303,100		\$8,303,100	\$8,303,100
Allotment 2006	Awarded SFY 2007	\$8,285,500	\$134,176	\$8,151,324	\$8,285,500
Allotment 2007	Awarded SFY 2008	\$8,229,300		\$8,229,300	\$8,229,300
Allotment 2008	Awarded SFY 2009	\$8,229,000		\$8,229,000	\$8,229,000
Allotment 2009	Awarded SFY 2009 (ARRA)	\$19,500,000	\$250,000	\$19,250,000	\$19,250,000
Allotment 2009	Awarded SFY 2010	\$8,146,000		\$8,146,000	\$8,011,824
Allotment 2010	Awarded SFY 2011	\$21,697,679	\$428,679	\$21,269,000	\$21,269,000
Allotment 2011	Awarded SFY 2012	\$9,418,000	\$350,000	\$9,068,000	\$9,418,000
Allotment 2012	Awarded SFY 2013	\$9,006,282	\$145,000	\$8,861,282	\$8,975,000
Allotment 2013	Awarded SFY 2014	\$8,421,000	\$175,000	\$8,246,000	\$8,421,000
Allotment 2014	Awarded SFY 2015	\$8,913,000	\$600,000	\$8,313,000	\$8,313,000
Allotment 2015	Awarded SFY 2016	\$8,787,000	\$491,300	\$8,295,700	\$8,295,700
Allotment 2016	Awarded SFY 2016	\$8,312,000	\$0	\$8,312,000	\$8,312,000
None	Awarded SFY 2017	\$0	\$0	\$0	\$0
Allotment 2017	Awarded SFY 2018	\$8,241,000	\$74,924	\$8,166,076	\$8,166,076
	Total Awards	\$202,235,461	\$2,659,079	\$199,576,382	\$200,215,100

Note: OEHS did use in-kind services in the past year to supplement its program staff. In this report Allotment 2010 capitalization grant was reduced by \$21,321 per grant amendment due to EPA recission after the grant was originally awarded.

3. In-Kind Services

Table 5 describes the in-kind services that were provided by EPA for the following grants:

Table 5: In-Kind Services

		In-Kind Services Amount	Description of In-Kind Services
Allotment 1998	Awarded SFY1999	\$0	
Allotment 1999	Awarded SFY 2000	\$0	
Allotment 2001	Awarded SFY 2002	\$0	
Allotment 2002	Awarded SFY 2003	\$10,000	Contract services for Northbridge Environmental's Program Manager (4%)
Allotment 2003	Awarded SFY 2004	\$0	
Allotment 2004	Awarded SFY 2005	\$0	
Allotment 2005	Awarded SFY 2006	\$0	
Allotment 2006	Awarded SFY 2007	\$134,176	Contract services for AWOP/PBT (10%)
Allotment 2007	Awarded SFY 2008	\$0	
Allotment 2008	Awarded SFY 2009	\$0	
Allotment 2009	Awarded SFY 2009/2010 (ARRA)	\$250,000	Administration support for ARRA Projects (4%)
Allotment 2009	Awarded SFY 2011	\$0	
Allotment 2010	Awarded SFY 2011	\$228,679	Admin Support of Projects (4%)
Allotment 2010	Awarded SFY 2011	\$200,000	Compliance & Enforcement Support (10%)
Allotment 2011	Awarded SFY 2012	\$74,458	Compliance & Enforcement Support (4%)
Allotment 2011	Awarded SFY 2012	\$150,000	Admin Support of Projects (4%)
Allotment 2011	Awarded SFY 2012	\$25,542	Compliance & Enforcement Support (10%)
Allotment 2011	Awarded SFY 2012	\$100,000	AWOP/PBT (15%)
Allotment 2012	Awarded SFY 2013	\$125,000	Admin Support of Projects (4%)
Allotment 2012	Awarded SFY 2013	\$20,000	AWOP/PBT (15%)
Allotment 2013	Awarded SFY 2014	\$175,000	Admin Support of Projects (4%)
Allotment 2014	Awarded SFY 2015	\$200,000	Capacity Development (15%)
Allotment 2014	Awarded SFY 2015	\$400,000	Source Water Support (15%)
Allotment 2015	Awarded SFY 2016	\$196,520	Capacity Development (15%)
Allotment 2015	Awarded SFY 2016	\$294,780	Source Water Support (15%)
Allotment 2016	Awarded SFY 2016	\$0	
None	Awarded SFY 2017	\$0	
Allotment 2017	Awarded SFY 2018	\$74,924	Source Water Assessment Program Evaluation (15%)
	Total In-Kind	\$2,659,079	

4. State Match

Table 6: State Match

SFY	20% Infrastructure Match (Cash)	10% State Program Match (Cash)	Total State Match (Cash Only Match)	1993 PWSS Overmatch Used As "Gift"	Total State Program Match (Cash+Gift)	Total State Match Pledged
SFY 1999	\$2,511,760	\$700,000	\$3,211,760	\$555,032	\$1,255,032	\$3,766,792
SFY 2000	\$2,917,020	\$700,000	\$3,617,020	0	\$700,000	\$3,617,020
SFY 2001	\$0	\$0	\$0	0	\$0	\$0
SFY 2002	\$1,551,400	\$775,700	\$2,327,100	0	\$775,700	\$2,327,100
SFY 2003	\$1,557,820	\$778,910	\$2,336,730	0	\$778,910	\$2,336,730
SFY 2004	\$1,610,500	\$805,250	\$2,415,750	0	\$805,250	\$2,415,750
SFY 2005	\$1,600,820	\$800,410	\$2,401,230	0	\$800,410	\$2,401,230
SFY 2006	\$1,660,620	\$830,310	\$2,490,930	0	\$830,310	\$2,490,930
SFY 2007	\$1,657,100	\$828,550	\$2,485,650	0	\$828,550	\$2,485,650
SFY 2008	\$1,645,860	\$780,870	\$2,426,730	\$42,060	\$822,930	\$2,468,790
SFY 2009	\$1,645,800	\$411,450	\$2,057,250	\$0	\$411,450	\$2,057,250
SFY 2009 ARRA	\$0	\$0	\$0	\$0	\$0	\$0
SFY 2010	\$1,629,200	\$814,600	\$2,443,800	\$0	\$814,600	\$2,443,800
SFY 2011	\$4,343,800	\$873,950	\$5,217,750	\$623,060	\$1,497,010	\$5,840,810
SFY 2012	\$1,883,600	\$700,000	\$2,583,600	\$226,800	\$926,800	\$2,810,400
SFY 2013	\$1,801,257	\$700,000	\$2,501,257	\$197,500	\$897,500	\$2,698,757
SFY 2014	\$1,684,200	\$700,000	\$2,384,200	\$142,100	\$842,100	\$2,526,300
SFY 2015	\$1,769,000	\$442,250	\$2,211,250	\$0	\$442,250	\$2,211,250
SFY 2016	\$1,757,400	\$439,350	\$2,196,750	\$0	\$439,350	\$2,196,750
SFY 2017	\$1,662,400	\$647,500	\$2,309,900	\$183,700	\$831,200	\$2,493,600
SFY 2018	\$1,648,200	\$747,500	\$2,395,700	\$555,032	\$1,302,532	\$2,950,732
Total	\$36,537,757	\$13,476,600	\$50,014,357	\$2,525,284	\$16,001,884	\$52,539,641

Note: \$555,032 is designated as the 1993 PWSS Overmatch Credit and is a non-cash contribution known as the “Gift”. This Gift can be used for half of the required state program match up to the total of the full Gift amount.

5. Interest Earnings on Investments

Table 7: Interest Earnings on Investments

SFY	State Match Fund Interest Earned	Repayment Fund Interest Earned	Repayment Loan Interest	Total Construction Interest Earned
SFY 1999	\$108,512	\$0	\$0	\$108,512
SFY 2000	\$302,395	\$0	\$0	\$302,395
SFY 2001	\$265,206	*	\$4,800	\$270,006
SFY 2002	\$92,457	*	\$72,970	\$165,427
SFY 2003	\$76,941	*	\$233,638	\$310,579
SFY 2004	\$53,249	\$20,792	\$234,025	\$308,067
SFY 2005	\$104,404	\$63,562	\$249,695	\$417,662
SFY 2006	\$261,589	\$169,725	\$248,906	\$680,220
SFY 2007	\$299,975	\$296,190	\$252,738	\$848,904
SFY 2008	\$243,241	\$308,831	\$238,645	\$790,718
SFY 2009	\$78,998	\$111,441	\$272,718	\$463,156
SFY 2010	\$6,839	\$15,161	\$256,413	\$278,414
SFY 2011	\$10,522	\$20,589	\$287,131	\$318,241
SFY 2012	\$5,165	\$14,515	\$343,312	\$362,992
SFY 2013	\$4,799	\$22,109	\$524,479	\$551,388
SFY 2014	\$1,350	\$19,994	\$688,377	\$709,722
SFY 2015	\$828	\$21,335	\$728,325	\$750,489
SFY 2016	\$970	\$59,688	\$706,215	\$766,872
SFY 2017	\$3,333	\$148,795	\$699,408	\$851,536
SFY 2018	\$19,358	\$261,757	\$746,060	\$1,027,175
Total	\$1,940,133	\$1,554,485	\$6,787,857	\$10,282,475

* SFY 2001 to SFY 2003 negligible repayment fund interest earned amounts are not reported separately but are included in the state match fund interest earned amount.

NOTES: SFY 2004 reported state match fund interest earned was under-reported by \$7,043.

The amount was added to the state match fund interest earned.

In SFY2011 the Water Development Authority paid \$1,384.52 for interest on repayments and \$2,393.92 for interest on the state match funds due to untimely reinvestment of funds.

6. Repayments of Original Loans

Table 8: Repayments of Original Loans

SFY	Principal Received
SFY 1999	\$0
SFY 2000	\$8,421
SFY 2001	\$53,815
SFY 2002	\$451,762
SFY 2003	\$890,378
SFY 2004	\$947,644
SFY 2005	\$1,140,160
SFY 2006	\$1,294,447
SFY 2007	\$1,519,204
SFY 2008	\$1,902,131
SFY 2009	\$2,099,644
SFY 2010	\$2,336,127
SFY 2011	\$3,211,890
SFY 2012	\$3,333,763
SFY 2013	\$4,144,906
SFY 2014	\$4,821,892
SFY 2015	\$5,538,761
SFY 2016	\$5,886,321
SFY 2017	\$6,184,542
SFY 2018	\$6,797,783
Total	\$52,563,591

These repayments are placed in a separate account with the WDA.

7. Administration Fees

Table 9: Administration Fees

SFY	Administration Fees Deposited	Interest Earned on Administration Fees	Administration Expenses Paid	Annual Net Total Amount
SFY 1999	\$0	\$0	\$0	\$0
SFY 2000	\$1,273	\$5	\$0	\$1,278
SFY 2001	\$7,953	\$191	\$0	\$8,144
SFY 2002	\$61,945	\$753	\$0	\$62,698
SFY 2003	\$119,288	\$1,857	\$0	\$121,145
SFY 2004	\$126,358	\$2,570	\$0	\$128,928
SFY 2005	\$152,666	\$8,541	\$0	\$161,207
SFY 2006	\$173,786	\$23,571	\$0	\$197,357
SFY 2007	\$205,192	\$40,935	\$0	\$246,127
SFY 2008	\$261,037	\$42,692	\$0	\$303,729
SFY 2009	\$211,964	\$15,383	\$0	\$227,347
SFY 2010	\$305,497	\$2,243	\$0	\$307,740
SFY 2011	\$436,013	\$3,534	\$0	\$439,547
SFY 2012	\$385,769	\$2,540	\$0	\$388,309
SFY 2013	\$455,064	\$3,721	\$0	\$458,785
SFY 2014	\$521,087	\$4,077	\$21,591	\$503,573
SFY 2015	\$596,028	\$4,600	\$104,207	\$496,421
SFY 2016	\$631,981	\$13,690	\$66,338	\$579,333
SFY 2017	\$656,157	\$40,200	\$75,587	\$620,770
SFY 2018	\$706,757	\$86,238	\$56,172	\$736,822
Total	\$6,015,815	\$297,341	\$323,895	\$5,989,261

Notes: The Administration fees are placed in a separate account with the WDA.
All administration expenses were for WDA financial services.

8. Sources and Uses of Committed DWTRF Funds

Table 10: Sources and Uses of Committed DWTRF Funds

Sources of Funds	Prior SFY 2018	SFY 2018	Cumulative
Capitalization Grant (w/o In-Kind Services)	\$191,410,306	\$8,166,076	\$199,576,382
State Match (IJDC MATCH)	\$34,889,557	\$1,648,200	\$36,537,757
Additional State Contributions (1 TO 1 Match Cash)	\$12,729,100	\$747,500	\$13,476,600
Investment Interest Earnings (IJDC Match)	\$1,920,775	\$19,358	\$1,940,133
Principal Repayments Interest Earned	\$1,292,728	\$261,757	\$1,554,485
Principal Repayments	\$45,765,807	\$6,797,783	\$52,563,590
Interest Earnings on Loans	\$6,041,797	\$746,060	\$6,787,857
Administration Fees	\$5,309,058	\$706,757	\$6,015,815
Interest Earning on Admin Fees	\$211,103	\$86,238	\$297,341
Transfers	\$0	\$0	\$0
Total	\$299,570,231	\$19,179,729	\$318,749,960
Uses of Committed Funds			
DWTRF LOAN ACCOUNT BINDING COMMITMENTS			
Large Systems >10,000			
Standard Loans 1452(a) >10,000 pop.	\$35,955,802	\$0	\$35,955,802
Disadvantaged Loans >10,000 pop. (Includes Prin Forg)	\$16,525,236	\$0	\$16,525,236
Large Systems Subtotal	\$52,481,038	\$0	\$52,481,038
Small Systems 1452(a)(2)			
Standard	\$15,641,612	\$0	\$15,641,612
Disadvantaged Communities 1452(d) (Includes Prin Forg)	\$160,382,350	\$17,678,449	\$178,060,799
Small System Subtotal	\$176,023,962	\$17,678,449	\$193,702,411
Committed Loan Subtotal	\$228,505,000	\$17,678,449	\$246,183,449
Unclosed Loans	\$8,248,775	(\$2,746,823)	\$5,501,952
Subtotal	\$236,753,775	\$14,931,626	\$251,685,401
SET-ASIDE ACCOUNT WORKPLAN COMMITMENTS			
Technical Assistance (max 2%) 1452 (g)(2)	\$3,365,491	\$230,000	\$3,595,491
State Program Management (max 10%) 1452(g)(2)	\$14,339,634	\$1,302,532	\$15,642,166
PWSS Program	-----	-----	-----
Capacity Development	-----	-----	-----
Operator Certification	-----	-----	-----
State Match	\$12,729,100	\$747,500	\$13,476,600
State Program Management Subtotal	\$27,068,734	\$2,050,032	\$29,118,766
Local Assistance/Other State Programs (max. 15%) 1452(k)(2)	-----	-----	-----
Source Water Assessment/Protection	-----	-----	-----
Wellhead Protection	-----	-----	-----
Local Assistance/Other State Programs Subtotal	\$21,361,830	\$925,076	\$22,286,906
Total Non-Administrative Set-Aside	\$51,796,055	\$3,205,108	\$55,001,163
DWTRF ADMINISTRATION ACCOUNT COMMITMENTS			
4% Set-Aside 1452(g)(2)	\$5,500,239	\$250,000	\$5,750,239
Fees/4% Investment Interest	\$5,520,162	\$792,995	\$6,313,157
Total Administrative Set-Asides	\$11,020,401	\$1,042,995	\$12,063,396
TOTAL	\$299,570,231	\$19,179,729	\$318,749,960

Notes: Amounts in Table 10 do not include In-Kind Service amounts. See Table 5 for a list of In-Kind Services for all grants.

Table 10 adjustments from last year’s report include: A \$21,321 reduction in the prior year balance of the capitalization grant balance to correct for the Allotment 2010 EPA rescission after the grant was originally awarded. The 2% and 15% Set Aside programs prior year 2017 balances were reduced \$322,870 and \$1,573,550, respectively, to correct duplicate postings from 2016.

Table 11 shows the West Virginia American Water (WVAW) Settlement Fee as required by the Public Service Commission for their approval to sell water to water systems in the state of Kentucky. These funds will be used for construction projects. In 2014 WVAW stopped paying the fee since they sold part of the water system to Aqua Water. The WV Public Service Commission has eliminated this fee as part of the sale to Aqua Water.

9. West Virginia American Water Settlement Fee

Table 11: West Virginia American Water Settlement Fee

	Prior SFY 2018	SFY 2018	Cumulative
User Fees	\$ 363,430.21	\$ -	\$ 363,430.21
Interest on User Fees	\$ 27,024.49	\$ 5,792.13	\$ 32,816.62
Total	\$ 390,454.70	\$ 5,792.13	\$ 396,246.83
Withdrawals	\$ (15,727.00)	\$ -	\$ (15,727.00)
ACCOUNT BALANCE	\$ 374,727.70	\$ 5,792.13	\$ 380,519.83

Note: The 2017 annual report had a notation that the “Prior SFY2017” amount was adjusted by \$1.11 but that correction did not get updated in the report table 11. So, this year’s “Prior SFY2018” amount was reduced by the \$1.11 from last year’s report.

10. Uses of Disbursed DWTRF Funding

Table 12 shows West Virginia's actual federal and state match disbursements for current year and cumulative amounts.

Table 12: Uses of Disbursed/Committed DWTRF Funds

Use of Disbursed Funds	Prior to SFY 2018	During SFY 2018	Cumulative
DWTRF LOAN ACCOUNT			
Large Systems (Binding Commitments)			
Standard Loans 1452(a)	\$35,955,802	\$0	\$35,955,802
Disadvantaged Communities	\$16,525,236	\$0	\$16,525,236
Large Systems Subtotal	\$52,481,038	\$0	\$52,481,038
Small Systems (Binding Commitments)			
Standard Loans	\$15,641,612	\$0	\$15,641,612
Disadvantaged Communities 1452(d)	\$160,382,350	\$17,678,449	\$178,060,799
Small System Subtotal	\$176,023,962	\$17,678,449	\$193,702,411
Loans Subtotal (Binding Commitments)	\$228,505,000	\$17,678,449	\$246,183,449
SET-ASIDE ACCOUNT			
Technical Assistance (2%) 1452(g)(2)	\$3,227,045	\$177,062	\$3,404,107
State Program Management (10%)			
1452(g)(2) Federal Dollars Only	\$14,276,527	\$1,349,829	\$15,626,356
State Program Management (10%)			
1452(g)(2) State Dollars Only	\$12,406,689	\$732,977	\$13,139,666
State Program Management Subtotal	\$26,683,216	\$2,082,806	\$28,766,021
Local Assistance/Other State Programs (15%) 1452(k)(2)			
Source Water Assessment/Protection			
Wellhead Protection			
Local Assistance/Other State Programs Subtotal	\$20,781,218	\$1,207,090	\$21,988,308
Non-Administrative Set-Aside Subtotal	\$50,691,478	\$3,466,957	\$54,158,436
DWTRF ADMINISTRATION ACCOUNT			
4% Set-Aside 1452(g)(2)	\$5,406,211	\$341,025	\$5,747,237
Administrative Fees	\$267,723	\$56,172	\$323,895
Administrative Subtotal	\$5,673,934	\$397,198	\$6,071,132
TOTAL	\$284,870,412	\$21,542,604	\$306,413,017

NOTE: The loan account amounts represent the loan closings that occurred and not actual disbursements. Actual loan disbursements are shown in Appendix C-1.

Table 13 shows the utilization of the state set-aside and administration funds on a cumulative

basis through the end of SFY 2018. Our expenditure rates exceed the national averages for all set-asides. On a cumulative basis of all set-asides, we have expended almost 99% of all available.

11. Set-Aside Utilization for All Grants

Table 13: Set-Aside Utilization for All Grants (Cumulative as of June 30, 2018)

	Technical Assistance (2%)	DWSRF Administration (4%)	Program Management (10%)	Local Assistance (15%)	Total Set-Asides Including Administration
Cumulative Awarded	\$3,595,491	\$5,750,239	\$15,642,166	\$22,286,906	\$47,274,802
Cumulative Obligated*	\$55,100	\$395	\$4,571	\$124,464	\$184,530
% Obligated	1.53%	0.01%	0.03%	0.56%	0.39%
Cumulative Expended	\$ 3,404,106.57	\$ 5,747,236.61	\$ 15,626,355.65	\$ 21,988,307.68	\$ 46,766,006.51
% Expended	94.68%	99.95%	99.90%	98.66%	98.92%
% Expended U.S. Average**	89.40%	95.10%	93.00%	87.60%	

* Includes obligations using SFY2018 funds

** From prior year data

Cumulative awarded and cumulative expended numbers in Table 13 do not include the in kind service amounts.

Table 14 shows the reserved set-aside amounts from each of the grants that could be used from future grants if needed. This past year the 2% and 10% set-aside reserves were drawn down by the amounts shown below while the 4% set-aside reserve increased.

Table 14: Set-Aside Funds Reserved For Future Use

Grant #	Reserved Set-Aside Amounts		
	2% set-aside	4% set-aside	10% set-aside
16569 (FS-99390007)	\$ -	\$ -	\$ 411,450
17575 (FS-99390008) ARRA	\$ 390,000	\$ 530,000	\$ 1,950,000
17779 (FS-99390009)	\$ -	\$ 325,840	\$ 674,890
19108 (FS-99390009)	\$ -	\$ -	\$ -
19108-1 (FS-99390010)	\$ -	\$ -	\$ -
20419 (FS-99390011)	\$ -	\$ -	\$ -
21890 (FS-99390012)	\$ -	\$ -	\$ -
22849 (FS-99390013)	\$ -	\$ -	\$ -
EY 2014 (FS-99390014)	\$ 88,450	\$ -	\$ 442,250
EY 2015 (FS-99390015)	\$ 87,870	\$ -	\$ 439,350
EY 2016 (FS-99390016)	\$ (68,760)	\$ 82,480	\$ -
EY 2017 (FS-99390017)	\$ (65,180)	\$ 79,640	\$ (478,432)
Total	\$ 432,380	\$ 1,017,960	\$ 3,439,508

B. Uses of DWSRF Funds

The DWSRF has committed or made available \$246,183,449 for construction loans and \$5,501,952 for pending construction loans to public water systems (Table 15). Thru SFY 2018, the program has committed \$55,001,163 for assistance to systems, assistance providers, and the State of West Virginia for set-aside activities. The DWSRF allocated \$12,063,396 from set-aside funding and Administration Fees/Investment Interest to administer project loans.

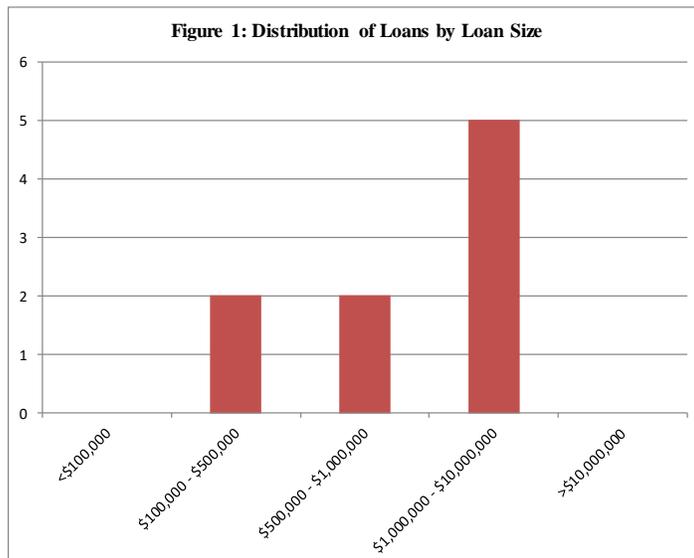
Table 15: Allocation of Available Federal Grant Funds

DWSRF Funds	Amount	Percent
Construction Loans (Closed Loans)	\$246,183,449	77.23%
Construction Loans (Pending Loans)	\$5,501,952	1.73%
Set-Asides State & Federal (2%, 10%, 15%)	\$55,001,163	17.26%
Administration (4%) & Administration Fees/Investment Interest	\$12,063,396	3.78%
Total	\$318,749,960	100.00%

1. Loan Assistance Status

The DWTRF entered into nine loan agreements with six public water systems totaling \$17,678,449 in this reporting period. The loans ranged in size from \$300,000 to \$6,015,000 (See Figure 1). Four loans were made at 0.5% interest for 30 years. Two loans were made at 0.75% interest for 30 years. Three loans closed with all principal forgiveness.

Systems receiving the DWTRF loans range in population from 612 to 2,672 people. The total population affected by all the current year DWTRF loans is 11,389. All nine loans totaling \$17,678,449 were designated as equivalency projects and met the conditions of the federal grant program. We have made binding commitments in the amount of \$246,183,449 in DWTRF funds through SFY 2018 (See Appendix A-1).



a. Binding Commitments

On a cumulative basis, we have obligated 98% of all available loan funds (including interest and repayments) to projects through loan closings. There are no current letters of binding commitment for projects at this time. Nine planned projects totaling \$26,184,296 are approaching the contract bidding stage and have pending commitments or have design loans (See Appendix A-2). These additional commitments and pending commitments would increase our projected obligations to 109% of all available funds.

There was one emergency project requesting DWTRF funds during the reporting period. This project was Lashmeet PSD (Part A) to provide a water connection to the Town of Matoaka that dissolved itself as a municipality and abandoned its water treatment plant and facilities.

b. Green Project Reserve (GPR)

During SFY 2018, no projects started construction as an eligible Green Project Reserve. The DWTRF program has met all prior grant requirements for GPR and has not required GPR on a state level. The cumulative amount of GPR through the fiscal year of this report is shown in Appendix A-5.

c. Project By-pass

During SFY 2018, nine loans were closed using two project priority lists. The 15DWTRFA, 16DWTRFA, 17DWTRFA, 17DWTRFB, and 18DWTRFA lists were used to list projects for loan closings. A description of these projects and an explanation for bypassing projects is included in Appendix A-4. Table 16 shows the projects that were funded and their respective PPL rankings.

Table 16: SFY 2018 Funded Projects (Closed Loans)

Project Number	Name	PWSID #	DWTRF Base Loan Amount	Principal Forgiveness Amount	Other Funding Sources	Total Project Cost	Population Served*	Small System (<10,001)	Disadvantaged Community
17DWTREB008D	Oceana, Town of (Design)	WV3305516	\$300,000	\$0	\$0	\$300,000	2,672	Y	Y
16DWTREA007	Chapmanville, Town of (Line Replace)	WV3302317	\$984,000	\$0	\$1,545,000	\$2,529,000	2,311	Y	Y
16DWTREA003	Greenbrier County PSD #2	WV3301302	\$6,015,000	\$1,200,000	\$1,688,304	\$8,903,304	2,167	Y	Y
17DWTREA009	New Haven, Town of	WV3302709	\$5,456,585	\$1,000,000	\$233,063	\$6,689,648	1,615	Y	Y
15DWTREA008	Hartford, Town of	WV3302704	\$1,425,864	\$797,000	\$776,764	\$2,999,628	612	Y	Y
18DWTREA010D	Tomlinson PSD (Design)	WV3301519	\$500,000	\$0	\$0	\$500,000	2,012	Y	Y
	Total		\$14,681,449	\$2,997,000	\$4,243,131	\$21,921,580	11,389		

* System customers after the project.

d. Small Systems

The DWTRF program is required to commit at least 15% of the funds to small systems serving less than 10,000 total persons on an annual basis. West Virginia committed \$17,678,449 in loans to six small systems for the reporting period. 100% of the funding committed during the year went to small systems. Table 17 illustrates the distribution of commitments by system size for SFY 2018. On a cumulative basis West Virginia has committed \$193,586,411 to small systems (78.7% of the construction funds available) as shown in Table 10.

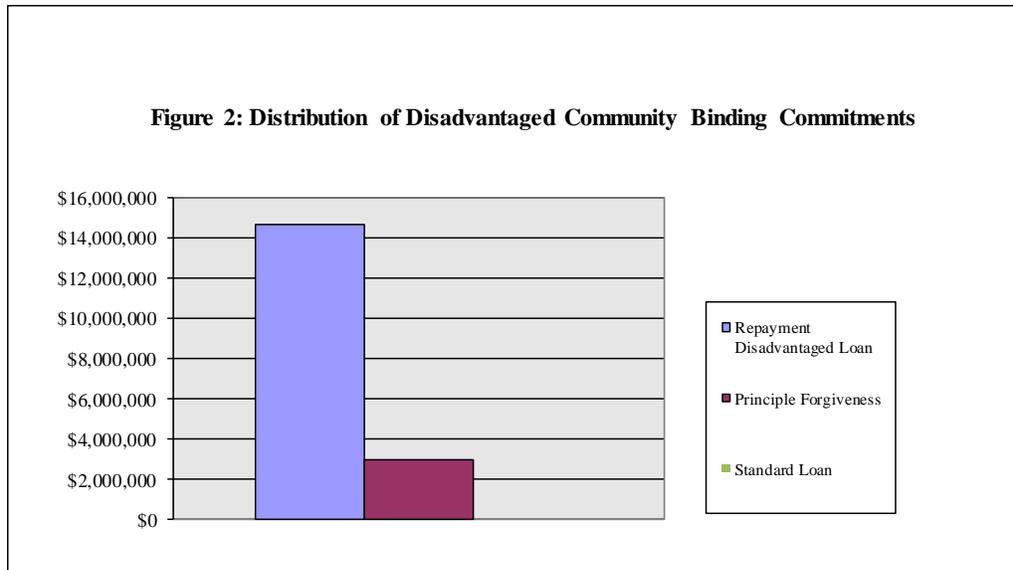
Table 17: Distribution of Loan Dollars by Population Served

Population	Dollars	Percent	Cumulative Percent
<500	\$0	0.00%	0.00%
501 to 3,300	\$17,678,449	100.00%	100.00%
3,301 to 10,000	\$0	0.00%	100.00%
10,001 to 100,000	\$0	0.00%	100.00%
>100,000	\$0	0.00%	100.00%
Total	\$17,678,449	100.00%	

e. Disadvantaged Community Systems

The DWTRF has a requirement to commit 30% of funds to disadvantaged communities. West Virginia's DWTRF committed \$17,678,449 (100% of annual committed funds) to disadvantaged systems during SFY 2018. To date, the DWTRF has committed \$194,586,035 (79% of cumulative committed funds) to disadvantaged communities as seen in Table 10. For SFY 2018 four loan assistance agreements were in the form of 0.5% interest loans for extended loan term of 30 years for base program loans. Two disadvantaged loans were made this reporting period for terms of 0.75% interest over a 30-year period. Three loans were in the form of principal forgiveness. Administrative fees were waived for all principal forgiveness loans. All repayment loans included a 0.5% administrative fee.

Figure 2 illustrates the distribution of commitments to disadvantaged and non-disadvantaged communities for SFY 2018.



f. Principal Forgiveness Tracking

The FFY2017 EPA grant for \$8,241,000 had a requirement that at least 20% but not more than the capitalization grant amount minus set asides must be used in the form of principal forgiveness, grants, or negative interest rate loans. This calculates to a range of \$1,648,200 to \$5,458,468 needed to meet the grant requirement. Table 16 above shows three projects were provided principal forgiveness loans during the year.

Table 18 shows the cumulative amount of principal forgiveness provided to DWTRF loan recipients and the amount that was provided. There are several projects slated to receive principal forgiveness loans but they have not closed yet.

Table 18: Cumulative Principal Forgiveness Projects Tracking

FFY Grant	State Fiscal Year	Grant PPL Project Numbers	Capitalization Grant Requirement					Principal Forgiveness Provided			
			Annual Awarded Federal Capitalization Amount	Minimum Principal Forgiveness Amount Required	Maximum Principal Forgiveness Amount Allowed	Amount Provided By FFY Grant For Projects on PPL	Cumulative Principal Forgiveness Amount Required (After ARRA)	Annual Principal Forgiveness Provided In SFY	Cumulative Principal Forgiveness Provided (After ARRA)	Cumulative Amount of Principal Forgiveness Over Complied (After ARRA)	
	1999		\$12,558,800	\$0			\$0	\$0	\$0	\$0	
	2000		\$14,585,100	\$0			\$0	\$0	\$0	\$0	
	2001		-	\$0			\$0	\$0	\$0	\$0	
	2002		\$7,757,000	\$0			\$0	\$0	\$0	\$0	
	2003		\$7,789,100	\$0			\$0	\$0	\$0	\$0	
	2004		\$8,052,500	\$0			\$0	\$0	\$0	\$0	
	2005		\$8,004,100	\$0			\$0	\$0	\$0	\$0	
	2006		\$8,303,100	\$0			\$0	\$0	\$0	\$0	
	2007		\$8,285,500	\$0			\$0	\$0	\$0	\$0	
	2008		\$8,229,300	\$0			\$0	\$0	\$0	\$0	
	2009		\$8,229,000	\$0			\$0	\$0	\$0	\$0	
ARRA	2009	09DWTRFA/B	\$15,600,000	\$9,750,000	N/A	\$15,350,000	\$9,750,000	\$18,950,000	\$0	\$0	
ARRA	2010	09DWTRFA/B	\$3,900,000	\$0		\$3,600,000	\$0	\$0	\$0	\$0	
	2009	2010	09DWTRFA/B	\$8,146,000	\$0		\$0	\$0	\$0	\$0	
	2010	2011	10DWTRFA/B	\$21,697,679	\$4,071,900	N/A	\$4,302,750	\$4,071,900	\$4,252,750	\$180,850	
	2011	2012	11DWTRFA/B	\$9,418,000	\$2,825,400	N/A	\$2,868,488	\$6,897,300	\$1,367,839	\$5,620,589	-\$1,276,711
	2012	2013	12DWTRFA/B	\$9,006,282	\$1,801,256	\$2,701,885	\$1,826,527	\$8,698,556	\$2,926,362	\$8,546,951	-\$151,605
	2013	2014	13DWTRFA	\$8,421,000	\$1,684,200	\$2,526,300	\$2,429,713	\$10,382,756	\$2,880,527	\$11,427,478	\$1,044,722
	2014	2015	14DWTRFA/B	\$8,913,000	\$1,782,600	\$2,673,900	\$2,034,715	\$12,165,356	\$1,150,000	\$12,577,478	\$412,122
	2015	2016	15DWTRFA/B	\$8,787,000	\$1,757,400	\$2,636,100	\$2,147,000	\$13,922,756	\$1,827,348	\$14,404,826	\$482,070
	2016	2016	16DWTRFA/B	\$8,312,000	\$1,662,400	\$2,493,600	\$1,700,000	\$15,585,156	\$0	\$14,404,826	-\$1,180,330
	-	2017	-	\$0	\$0	\$0	\$0	\$15,585,156	\$407,367	\$14,812,193	-\$772,963
	2017	2018	17DWTRFA/B	\$8,241,000	\$1,648,200	\$5,458,468	\$1,650,000	\$17,233,356	\$2,997,000	\$17,809,193	\$575,837

Note: ARRA Principal Forgiveness is not included in the cumulative columns.

g. Project Equivalency Tracking

Project equivalency is tracked for all DWTRF construction projects. The equivalency is originally predicted in the Intended Use Plan for each capitalization grant. The philosophy of the DWTRF program is to have all projects follow all of the grant requirements unless there is an extreme hardship for a water system. Thus far, all projects have met all the equivalency requirements of the prior grants. Table 19 shows the current year projects and describes their contribution towards equivalency.

Table 19: Annual Equivalency Projects

SFY 2018 Project/Borrower	Project Number	Date Loan Closed	Amount of Loan Meeting Equivalency Req'ts	Amount of Loan NOT Meeting Equivalency Req'ts
Oceana, Town of (Design)	17DWTRFB008D	12/6/2017	\$300,000	\$0
Chapmanville, Town of (Line Repl)	16DWTRFA007	5/31/2018	\$984,000	\$0
Greenbrier County PSD #2	16DWTRFA003	5/31/2018	\$6,015,000	\$0
Greenbrier County PSD #2	16DWTRFA003	5/31/2018	\$1,200,000	\$0
New Haven, Town of	15DWTRFA010	6/27/2018	\$5,456,585	\$0
New Haven, Town of	15DWTRFA010	6/27/2018	\$1,000,000	\$0
Hartford, Town of	17DWTRFA008	6/27/2018	\$1,425,864	\$0
Hartford, Town of	17DWTRFA008	6/27/2018	\$797,000	\$0
Tomlinson PSD (Design)	18DWTRFA010D	6/27/2018	\$500,000	\$0
Total			\$17,678,449	\$0

Table 20 shows the cumulative amount of equivalency tracking for the DWTRF program. Through the current year, the amount of equivalency over complied is \$91,375,016. This amount will continue to be banked until it is needed for water systems that cannot reasonably comply with the grant requirements.

Table 20: Cumulative Equivalency Projects

State Fiscal Year	Capitalization Grant		Equivalency Amount		Non-Equivalency Amount		Cumulative Amount of Loan Closings Over Complied
	Annual Awarded Federal Construction Amount	Cumulative Awarded Federal Construction Amount	Annual Loan Closings Meeting Equivalency Req'ts	Cumulative Loan Closings Meeting Equivalency Req'ts	Annual Loan Closings Not Meeting Equivalency Req'ts	Cumulative Loan Closings Not Meeting Equivalency Req'ts	
1999	\$ 9,076,449	\$9,076,449	\$705,400	\$705,400	\$0	\$0	-\$8,371,049
2000	\$ 12,965,142	\$22,041,591	\$6,119,979	\$6,825,379	\$0	\$0	-\$15,216,212
2001		\$22,041,591	\$15,159,761	\$21,985,140	\$0	\$0	-\$56,451
2002	\$5,352,330	\$27,393,921	\$1,686,500	\$23,671,640	\$0	\$0	-\$3,722,281
2003	\$5,374,479	\$32,768,400	\$6,298,495	\$29,970,135	\$0	\$0	-\$2,798,265
2004	\$5,556,225	\$38,324,625	\$3,130,623	\$33,100,758	\$0	\$0	-\$5,223,867
2005	\$5,522,829	\$43,847,454	\$5,334,000	\$38,434,758	\$0	\$0	-\$5,412,696
2006	\$5,729,139	\$49,576,593	\$15,111,213	\$53,545,971	\$0	\$0	\$3,969,378
2007	\$5,716,995	\$55,293,588	\$4,585,500	\$58,131,471	\$0	\$0	\$2,837,883
2008	\$5,678,217	\$60,971,805	\$4,781,838	\$62,913,309	\$0	\$0	\$1,941,504
2009	\$6,089,460	\$67,061,265		\$62,913,309	\$0	\$0	-\$4,147,956
2009	\$15,350,000	\$82,411,265	\$11,875,000	\$74,788,309	\$0	\$0	-\$7,622,956
2010	\$9,520,740	\$91,932,005	\$48,906,379	\$123,694,688	\$0	\$0	\$31,762,683
2011	\$16,811,986	\$108,743,991	\$21,340,750	\$145,035,438	\$0	\$0	\$36,291,447
2012	\$6,544,920	\$115,288,911	\$11,020,794	\$156,056,232	\$0	\$0	\$40,767,321
2013	\$6,224,032	\$121,512,943	\$21,180,215	\$177,236,447	\$0	\$0	\$55,723,504
2014	\$5,810,490	\$127,323,433	\$9,919,877	\$187,156,324	\$0	\$0	\$59,832,891
2015	\$6,701,750	\$134,025,183	\$10,004,588	\$197,160,912	\$0	\$0	\$63,135,729
2016	\$12,539,250	\$146,564,433	\$19,185,650	\$216,346,562	\$0	\$0	\$69,782,129
2017	\$0	\$146,564,433	\$12,158,438	\$228,505,000	\$0	\$0	\$81,940,567
2018	\$8,214,000	\$154,778,433	\$17,648,449	\$246,153,449	\$0	\$0	\$91,375,016

h. Loan Disbursements

West Virginia has cumulatively disbursed \$227,350,456, or 90.4%, of all available loan funds. This amount includes grant, state match, and repayment funds. The annual loan disbursements totaled \$7,118,290. Appendix C-1 lists all loan disbursements for the

reporting period. Figure 3 illustrates the disbursed funds compared to available funds. Table 21 shows the annual and cumulative loan awards and disbursements.

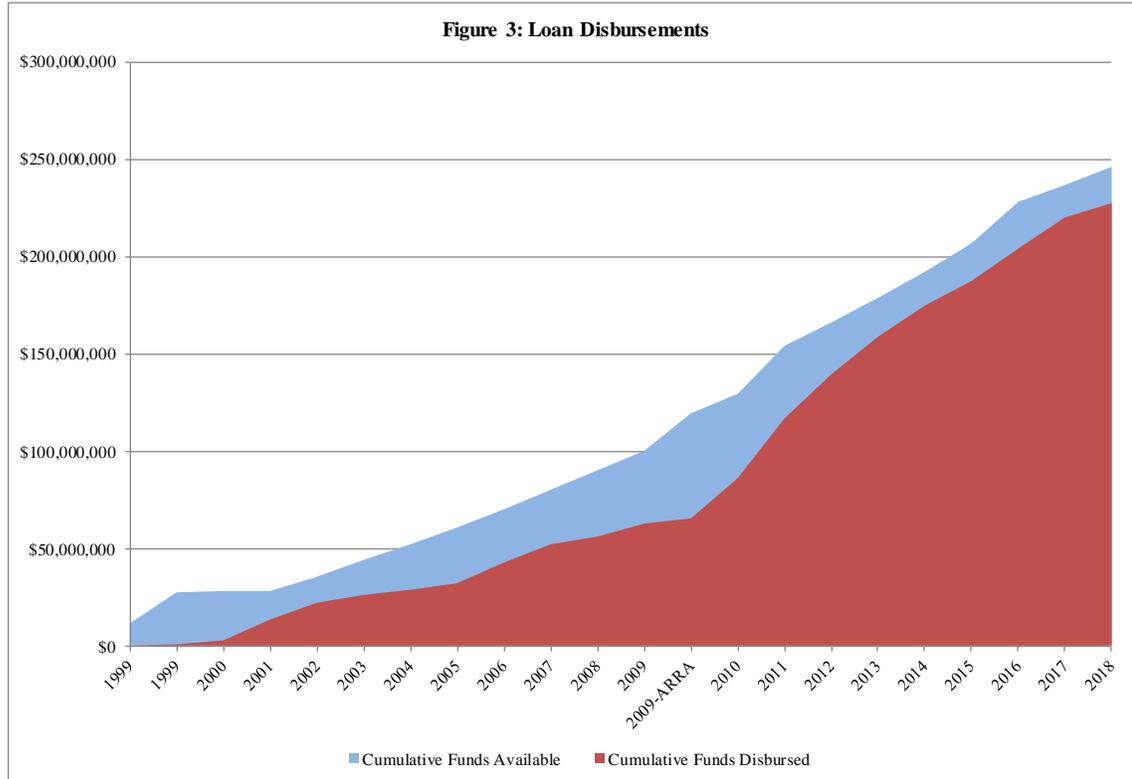


Table 21: Loan Disbursements

Grant Number	State Fiscal Year	Award and State Match Amount	Cumulative Award and State Match	Repayments/ Loan Interest/ Fund Interest	Cumulative Repayments/ Loan Interest/ Fund Interest	Cumulative Funds Available For Loans	Loan Amount Disbursed	Cumulative Disbursed	Percent Funds Disbursed
4058	1999	\$ 11,588,209	\$ 11,588,209	\$ -	\$ -	\$ 11,588,209	\$ -	\$ -	0.0%
4501	1999	\$ 15,882,162	\$ 27,470,371	\$ 108,512	\$ 108,512	\$ 27,578,883	\$ 705,400	\$ 705,400	2.6%
	2000	\$ -	\$ 27,470,371	\$ 310,816	\$ 419,329	\$ 27,889,700	\$ 1,963,364	\$ 2,668,764	9.6%
	2001	\$ -	\$ 27,470,371	\$ 323,821	\$ 743,150	\$ 28,213,521	\$ 10,996,862	\$ 13,665,626	48.4%
7515	2002	\$ 6,903,730	\$ 34,374,101	\$ 617,189	\$ 1,360,339	\$ 35,734,440	\$ 8,757,547	\$ 22,423,173	62.7%
8861	2003	\$ 6,932,299	\$ 41,306,400	\$ 1,200,957	\$ 2,561,296	\$ 43,867,696	\$ 3,396,514	\$ 25,819,687	58.9%
9677	2004	\$ 7,166,725	\$ 48,473,125	\$ 1,255,711	\$ 3,817,007	\$ 52,290,132	\$ 3,218,460	\$ 29,038,147	55.5%
11516	2005	\$ 7,123,649	\$ 55,596,774	\$ 1,557,822	\$ 5,374,828	\$ 60,971,602	\$ 3,241,184	\$ 32,279,331	52.9%
12813	2006	\$ 7,389,759	\$ 62,986,533	\$ 1,974,667	\$ 7,349,496	\$ 70,336,029	\$ 10,531,396	\$ 42,810,727	60.9%
14364	2007	\$ 7,374,095	\$ 70,360,628	\$ 2,368,108	\$ 9,717,604	\$ 80,078,232	\$ 9,582,506	\$ 52,393,233	65.4%
15384	2008	\$ 7,324,077	\$ 77,684,705	\$ 2,692,849	\$ 12,410,453	\$ 90,095,158	\$ 3,968,266	\$ 56,361,499	62.6%
16569	2009	\$ 7,735,260	\$ 85,419,965	\$ 2,562,800	\$ 14,973,253	\$ 100,393,218	\$ 6,119,990	\$ 62,481,489	62.2%
17575	2009-ARRA	\$ 19,250,000	\$ 104,669,965	\$ -	\$ 14,973,253	\$ 119,643,218	\$ 2,691,329	\$ 65,172,818	54.5%
17779	2010	\$ 7,249,940	\$ 111,919,905	\$ 2,614,541	\$ 17,587,794	\$ 129,507,699	\$ 20,755,289	\$ 85,928,107	66.3%
19108	2011	\$ 21,155,786	\$ 133,075,691	\$ 3,530,131	\$ 21,117,925	\$ 154,193,616	\$ 30,625,249	\$ 116,553,356	75.6%
20420	2012	\$ 8,428,520	\$ 141,504,211	\$ 3,696,755	\$ 24,814,680	\$ 166,318,891	\$ 23,138,538	\$ 139,691,894	84.0%
21898	2013	\$ 8,025,289	\$ 149,529,500	\$ 4,696,294	\$ 29,510,974	\$ 179,040,474	\$ 19,310,596	\$ 159,002,490	88.8%
22848	2014	\$ 7,494,690	\$ 157,024,190	\$ 5,531,614	\$ 35,042,588	\$ 192,066,778	\$ 15,680,687	\$ 174,683,177	90.9%
EY 2014	2015	\$ 8,470,750	\$ 165,494,940	\$ 6,289,250	\$ 41,331,838	\$ 206,826,778	\$ 12,519,317	\$ 187,202,494	90.5%
EY 2015	2016	\$ 14,296,650	\$ 179,791,590	\$ 6,653,192	\$ 47,985,030	\$ 227,776,620	\$ 16,765,494	\$ 203,967,988	89.5%
EY 2016	2017	\$ 1,662,400	\$ 181,453,990	\$ 7,036,078	\$ 55,021,108	\$ 236,475,098	\$ 16,264,178	\$ 220,232,166	93.1%
EY 2017	2018	\$ 7,106,668	\$ 188,560,658	\$ 7,824,958	\$ 62,846,065	\$ 251,406,723	\$ 7,118,290	\$ 227,350,456	90.4%

Notes: DWTRF awards and disbursements include the State Match. Disbursements include Loan Repayment/Interest funds.

- i. **Success Stories – Town of Oceana (Water System Upgrade Phase I Project Design Loan), Greenbrier County Public Service District #2, Town of Chapmanville, Town of New Haven, Town of Hartford, and Tomlinson PSD**

Town of Oceana

Water System Upgrade Phase I Project Design Loan

Project Purpose and Public Health Need:

The Town of Oceana owns and operates a water distribution and water treatment system in Wyoming County, WV which serves approximately 1,204 water customers in the northwestern part of the county. The Town also provides water for resale to Kopperston PSD for their 428 water customers. This project is needed for the Town of Oceana to continue providing a safe and dependable potable water supply to their existing customers, and to provide the necessary water infrastructure to construct water distribution system extensions to other area in their water service boundary which have inadequate individual water supplies. The project will also provide the water infrastructure to retain existing businesses and expand business opportunities, and to provide the water infrastructure equipment and systems to maximize Oceana's water operations by maximizing the utilization of personnel and financial resources.

Project Benefits Included the Following:

This project will work to bring the system in compliance with the WV Bureau of Public Health Standards and will correct many issues that have been addressed in past Sanitary Surveys. This project should also reduce water loss by replacing portions of the older water mains and service lines located along Route 10. The project will allow the Town of Oceana to continue providing a safe and dependable supply of water to their existing customers and to provide the water infrastructure capacity for future water distribution system extensions.

Project Scope:

The proposed water system upgrade project will consist of the replacement and installation of 19,000 lf (3.6 mi.) of 2" to 12" water mains, 3,450 lf (0.65 mi) of water service lines ¾" to 1", 46 gate valves (2" to 12"), 22 fire hydrants and 124 meters and meter settings. Replacing these older water mains and service lines along Route 10 in which water main breaks and leaks are common occurrences will help the Town reduce their extremely high unaccounted for water loss. This project also includes replacing three 100,000-gallon water tanks (High School, Shumate, Lynco) and installing security fencing and improved access roads to the tank sites. Replacing these three tanks and work at the tank sites will correct multiple significant deficiencies from the system's last sanitary survey. Also, included in the Phase I project are replacing high service pumps, raw water pumps, electrical actuated valves, and installing VFD's on pumps at the water treatment plant.

Project Financing:

The total project cost is \$4,800,000. The DWTRF provided a \$300,000 DWTRF design loan (0.75%; 0.5% admin fee; 30 yrs.). The remaining balance of the project will be comprised of a \$2,200,000 DWTRF base loan (0.75%; 0.5% admin fee; 30 yrs.), a \$800,000 DWTRF principle forgiveness loan, a \$1,000,000 ARC grant, and a \$500,000 IJDC grant.

Greenbrier County Public Service District #2 Sam Black Church Waterline Extension Project

Project Purpose and Public Health Need:

The Greenbrier County PSD #2 Sam Black Church Waterline Extension Project is needed to provide sufficient quality and quantities of water to the residents in the areas of Sam Black Church and Charmco and serve the Town of Rupert. The residents in the areas of Sam Black Church and Charmco currently rely on private water collection methods consisting of wells or cisterns. It is reported in the Preliminary Engineering Report that many residents have reported inadequate quality or quantity for their water. Many of the residents currently haul water from an outside source for household use. This project will provide served residence safe and reliable drinking water that meets Safe Drinking Water Act standards.

The Greenbrier County PSD #2 Sam Black Church Waterline Extension Project will utilize an existing 12-inch transmission main that is part of the Town of Rupert Water System to obtain access to the project area on the other side of the town. This interconnection will supply emergency back-up water to the Town and the PSD. The Town of Rupert Water Treatment Plant also needs to have electrical, controls, filter media, pumps and motors upgraded. The project would allow the Towns water treatment plant to be put on stand-by and eliminate the need for an upgrade.

The Greenbrier County PSD #2 water treatment plant will need to be upgraded and increase capacity to be able to supply water to the 252 new customers from Sam Black Church and Charmco areas as well as the Town of Rupert.

The waterline extension to Sam Black Church will serve the area of the U.S. Route 60 and Interstate 64 interchange. As a side benefit to the extension, the availability of a public water supply could potentially stimulate economic growth in the interchange area.

Project Benefits Included the Following:

The Sam Black Church project will result in the following benefits:

- 1) Increase reliability and quality of water service. Provide an interconnection with the Town of Rupert for emergency backup or possible future consolidation.
- 2) Provide upgrades and increase capacity to water plant to continue to meet Safe Drinking Water Act standards.

3) Water service to interchange could stimulate economic growth.

Project Scope:

The Greenbrier County Public Service District (PSD) #2 Sam Black Church Waterline Extension Project is a proposed water treatment plant upgrade and line extension to serve 252 currently unserved customers in the Sam Black Church and Charmco areas and an interconnection to the Town of Rupert. The Greenbrier County PSD #2 Water Treatment facility is owned and operated by PSD, located near the Crichton area in Greenbrier County, West Virginia.

The scope of the proposed project consists of the following:

- 1) Upgrade the Greenbrier PSD #2 water treatment plant to 700 GPM
- 2) Installing 17.7 miles of 8” through 2” water mains and 2.4 miles of 1” and ¾” service line and all necessary valves and appurtenances
- 3) Installing 82 fire hydrants
- 4) Installing (1) 183,000-gallon water storage tank and all necessary piping, valves and Appurtenances
- 5) Interconnecting to the Town of Rupert

Project Financing:

The total project cost is \$8,903,304. The DWTRF provided a DWTRF base loan for \$6,015,000 (0.5% for 30 years with a 0.5% administration fee) and a DWTRF principal forgiveness loan for \$1,200,000. The remaining balance of the project is comprised of a Small Cities Block Grant for \$1,266,228 and an Infrastructure and Jobs Development Council Grant for \$422,076.

**Town of Chapmanville
Water System Upgrade Project – Phase II**

Project Purpose and Public Health Need:

The main issue that this project seeks to correct is the high level of unaccounted-for water loss in the Chapmanville system. Nearly half of the purchased water is lost through system inefficiencies. By decreasing this water loss, the Town can invest the savings into future upgrades to the system, thereby increasing infrastructure resiliency and potable water quality for the public.

Project Benefits Included the Following:

The project will result in the following benefits:

- 1) Increase reliability of water service
- 2) Reduce unaccounted for water

Project Scope:

The Town of Chapmanville Water System Upgrade Project Phase II will replace about 35% of Chapmanville's water system. The scope of the proposed project consists of the following:

- 1) Replace about 3.25 miles of new distribution lines
- 2) Replace or add new fire hydrants and valves throughout the project area

Project Financing:

The total project cost is \$2,529,000. The DWTRF provided a base loan for \$984,000 (0.5% for 30 years with a 0.5% administration fee), a DWTRF design grant for \$45,000, and a Small Cities Block Grant for \$1,500,000.

Town of New Haven Water System Improvement Project

Project Purpose and Public Health Need:

The Town of New Haven's original water system was constructed in the 1940s and consists mainly of cast iron, asbestos cement, and galvanized pipe. The most modern portions of the Town's system were constructed in the 1960s and are of the same pipe material as the original. A few small extensions and line replacements have been completed over the years. Due to the age of the pipe, pipe failures are occurring with increased frequency and severity. Replacing these old water lines will greatly improve the reliability of the water system and reduce the risk of contaminated water from broken or leaking water lines.

The WV Public Service Commission, in its Final Joint Staff Memorandum dated December 14, 2012 and Final Order dated March 14, 2013 regarding Case No. 12-1125-WS-PC recommended that the Town of Hartford consider transferring the operation and/or ownership of the water system to Mason County Public Service District (MCPSD) or some other utility.

Mason County PSD has little interest in accepting the Town of Hartford's water system or providing them water. The Mason County PSD agrees that it would be appropriate for the Town of New Haven to sell water to the Town of Hartford.

The Towns of Hartford and New Haven will execute a water purchase agreement. Upon completion of the proposed project, the Town of New Haven will supply the Town of Hartford with all their water demands.

Project Benefits Included the Following:

The project will result in the following benefits:

- 1) Increase reliability of water service
- 2) Reduce unaccounted for water

Project Scope:

The New Haven Water System Improvement Project will replace most of New Haven's water system. The scope of the proposed project consists of the following:

- 1) Replace about 11 miles of new distribution lines
- 2) Replace existing well pumps and rehabilitate the wells
- 3) Construct a new water storage tank
- 4) Demolish (2) existing water storage tanks

Project Financing:

The total project cost is \$7,027,063. The DWTRF provided a base loan for \$5,456,585 (0.5% for 30 years with a 0.5% administration fee), a principal forgiveness loan for \$1,000,000, a DWTRF design loan for \$337,415, an IJDC grant for \$108,063, and an IJDC soft cost grant for \$125,000.

**Town of Hartford
Water Distribution System Improvements Project**

Project Purpose and Public Health Need:

The Town of Hartford's water distribution system was constructed in 1964 and consists mainly of steel, asbestos cement concrete and plastic. Due to the age of the pipe, major and minor leaks throughout the system are common and contribute to the nearly 60% unaccounted for water loss (2015 PSC Annual Report) resulting in increased contamination potential and causing the water treatment plant to operate longer periods of time to keep up with the demand. There are several inoperable fire hydrants as well as undersized lines throughout the system, which causes pressure and fire protection problems. The Town of Hartford has one (1) 65,000 gallon welded steel water storage tank located on Sliding Hill Creek Road. The tank has structural issues with its foundation and is undersized for the Town's 2-day storage needs plus fire protection; hence the tank will be demolished at the completion of the project. A new 450,000 gallon water storage tank will be constructed as part of the neighboring Town of New Haven's project and will be capable of serving both Town's as Hartford will abandon their water treatment plant and will become a purchaser of water from New Haven at the completion of the project.

Project Benefits Included the Following:

The project will result in the following benefits:

- 1) Increase reliability of water service
- 2) Reduce unaccounted for water
- 3) Allow the Town to buy water from a reliable supplier

Project Scope:

The Hartford Water System Improvement Project will replace all of Hartford's water system. The scope of the proposed project consists of the following:

- 1) Replace about 9 miles of new distribution lines
- 2) Abandon the current water treatment plant
- 3) Demolish an existing water storage tanks

Project Financing:

The total project cost is \$3,206,764. The DWTRF provided a base loan for \$1,425,864 (0.5% for 30 years with a 0.5% administration fee), a principal forgiveness loan for \$797,000, a DWTRF design loan for \$207,136, an IJDC grant for \$703,514, and an IJDC soft cost grant for \$73,250.

**Tomlinson PSD Design Loan
Water System Improvement Project**

Project Purpose and Public Health Need:

This project will upgrade the Tomlinson system to improve the quality of service to the customers and increase the system's reliability. Customers that have low pressure will also see improvements with this project, and the section of Route 2 south of Newell will gain public water access which is not available to that area currently.

Project Benefits Included the Following:

The project will result in the following benefits:

- 1) Increase reliability of water service
- 2) Extend water service into areas that do not currently have access to public water

Project Scope:

The Tomlinson PSD Water System Improvement Project will extend water service along Route 2 and also complete some various upgrades throughout the system. The scope of the proposed project consists of the following:

- 1) Installation of approximately 2.9 miles of water line along Route 2
- 2) Install a (2) new water storage tanks along with fire hydrants and valves
- 3) Replace water about 2.3 miles of water line along with fire hydrants and valves
- 4) Repair or replace (2) pressure reducing valves
- 5) Upgrade of the system's SCADA system

Project Financing:

The total design cost is \$500,000. The DWTRF provided a design loan for \$500,000 (0.75% for 30 years with a 0.5% administration fee).

j. Sustainable Infrastructure

OEHS provides principal forgiveness or low interest loans to only water systems that have been evaluated and have been determined to be sustainable for the long term future. All projects receiving DWTRF loans have been fully reviewed by the WVIJDC and have been determined to be the best technical and feasible solution to the water problems for the area of the project. The WV PSC performs a rigorous review of the water systems finances and determines an acceptable user rate that maintains the financial integrity of the water system but also does not provide excessive revenues from its customers. The PSC review ensures all operating and maintenance costs will be able to be paid in addition to the debt service incurred by long term capital loans.

The Capacity Development staff conducts assessments for all water systems seeking DWTRF loan funds. This assessment reviews all aspects of the technical, managerial, and financial capacity of the water system to ensure it will remain sustainable far into the future. If a water system does not have the technical, managerial, and financial capacity to remain a viable water system, DWTRF funds can be used to consolidate water systems or to arrange partnering with regional water suppliers.

Our DWTRF loan program also requires recipients to implement an Asset Management Program to provide a tool for water system management to determine short term maintenance needs and long term capital projects that will be needed for them to remain a sustainable water system. Water systems requesting DWTRF funding are now required to hire an engineering firm or other outside support to assist in the development of asset management plans if they are not capable to implement asset management. It is suggested that systems submit their asset management plans for review in the months before loan closing. To support these efforts, a timeline for the development and submission of the various plan stages has been developed. For small systems we strongly recommend the use of a basic asset management plan.

During this reporting period for this year, all of the water systems receiving DWTRF funds were determined to be sustainable systems and the loans provided will help ensure they remain compliant with the SDWA to protect the public health of their customers.

2. Set-Aside Activity Status

The following pages provide an overview of our set-aside activities in the last year. A chart showing set-aside funding status accompanies the description of each set-aside activity located in the next sections. A table of awards and disbursements is also included in each set-aside section. Funds initially specified for use in the Grants but non-disbursed at the end of the year are reserved for future disbursement.

a. Administration

The majority of funds from this set-aside pay salaries and fringe benefits of personnel and EPA contractors administering the DWTRF program and current expenses. The state charges a 0.5 percent administration fee on projects that receive repayment loans. Administration fees are waived for any principal forgiveness loans. This set-aside is primarily associated operating costs of the DWTRF program staff and office expenses. OEHS engaged the WDA to manage the DWTRF construction funds, including the accounting and audits of DWTRF construction fund. The project administration fees (separate from the set-aside funds) are for WDA fees and expenses. The project administration fees are shown in Table 9.

Figure 4 shows the administrative set-aside award dollars for the SRF Capitalization grants as well as the amount disbursed through SFY 2018.

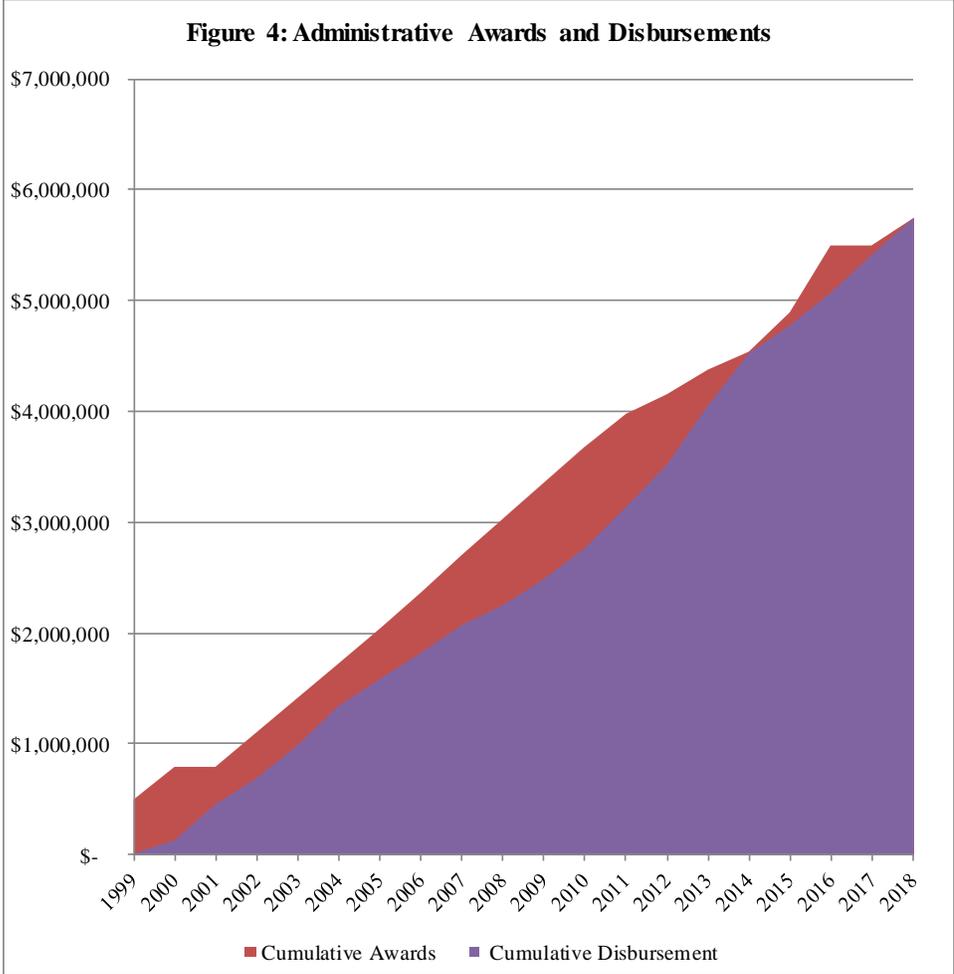


Table 22 shows the annual and cumulative awards and disbursement amounts.

Table 22: Administrative Awards and Disbursements (4% Set-Aside)

SFY	Award	Cumulative Awards	Annual Disbursement	Cumulative Disbursement
1999	\$ 501,940	\$ 501,940	\$ 17,556.28	\$ 17,556.28
2000	\$ 284,852	\$ 786,792	\$ 110,971.88	\$ 128,528.16
2001	\$ -	\$ 786,792	\$ 318,588.26	\$ 447,116.42
2002	\$ 310,280	\$ 1,097,072	\$ 237,640.00	\$ 684,756.42
2003	\$ 311,564	\$ 1,408,636	\$ 295,765.79	\$ 980,522.21
2004	\$ 312,100	\$ 1,720,736	\$ 359,504.85	\$ 1,340,027.06
2005	\$ 320,164	\$ 2,040,900	\$ 246,135.00	\$ 1,586,162.06
2006	\$ 332,124	\$ 2,373,024	\$ 233,409.50	\$ 1,819,571.56
2007	\$ 331,420	\$ 2,704,444	\$ 253,389.69	\$ 2,072,961.25
2008	\$ 329,172	\$ 3,033,616	\$ 185,769.04	\$ 2,258,730.29
2009	\$ 329,160	\$ 3,362,776	\$ 235,024.38	\$ 2,493,754.67
2010	\$ 325,840	\$ 3,688,616	\$ 277,979.40	\$ 2,771,734.07
2011	\$ 292,920	\$ 3,981,536	\$ 368,621.04	\$ 3,140,355.11
2012	\$ 167,583	\$ 4,149,119	\$ 375,435.58	\$ 3,515,790.69
2013	\$ 234,000	\$ 4,383,119	\$ 534,356.70	\$ 4,050,147.39
2014	\$ 161,840	\$ 4,544,959	\$ 474,483.75	\$ 4,524,631.14
2015	\$ 353,800	\$ 4,898,759	\$ 248,512.53	\$ 4,773,143.67
2016	\$ 601,480	\$ 5,500,239	\$ 288,997.31	\$ 5,062,140.98
2017	\$ -	\$ 5,500,239	\$ 344,070.32	\$ 5,406,211.30
2018	\$ 250,000	\$ 5,750,239	\$ 341,025.31	\$ 5,747,236.61

Note: Awards do not include In-Kind Services for Administration support.

Key administration activities are:

- 1) Development of program procedures;
- 2) Development of a comprehensive list of projects;
- 3) Project selection and development of Intended Use Plans;
- 4) Development of set-aside work plans;
- 5) Preparation of Annual Reports;
- 6) Preparation of DWNIMS;
- 7) Conduct of public hearings for project priority lists and IUPs;
- 8) Preparation of capitalization grant applications;
- 9) Development of Set-Aside Performance Status Reports;
- 10) Completion of DWTRF program audits;
- 11) Memorandum of Understanding with the Water Development Authority for financial management of the construction fund;
- 12) Coordination of DWTRF requirements for the Closing of Loans and review of disbursements and change orders during project construction;
- 13) Coordination of Project Disadvantaged Business Enterprise Requirements and Reporting;

- 14) Meetings with EPA Region III Program Staff;
- 15) Evaluate the program loan terms to ensure perpetuity of the DWTRF;
- 16) Determination of post construction loan recipient requirements; and,
- 17) WV Infrastructure and Jobs Development Council Participant.

OEHS and EPA completed an updated Operating Agreement between the entities to reflect current contractual requirements on behalf of both parties in August 2012. This agreement was reviewed during the May 2017 EPA site visit to determine if any revisions were needed. The Operating Agreement will need minor revisions in the future to reflect an update on applicable federal code references in the document. No revisions to the Operating Agreement were discussed during the May 2018 EPA site visit.

b. Small Systems Technical Assistance

Funds from this set-aside supported a contract agreement with the WVRWA in SFY 2018. The WVRWA contract including the Hours for Education and Learning Program (HELP) provided the following:

- 1) 36 days of certification training at regional locations for Class ID or higher training;
- 2) 68 days of continuing education hours;
- 3) 80 small systems were represented in the certification and continuing education hours training classes;
- 4) The *Mountain State Water Line*, a publication of the WVRWA was issued each quarter;
- 5) Continuation of a statewide network of experienced operators and managers to provide assistance to systems, including emergency response; and,
- 6) Maintain an audio/video library and Internet Web Home Page Information System.

Figure 5 shows the cumulative awards and disbursements for Small Systems Technical Assistance. Table 23 shows the annual awards and disbursements in addition to the cumulative sums of both.

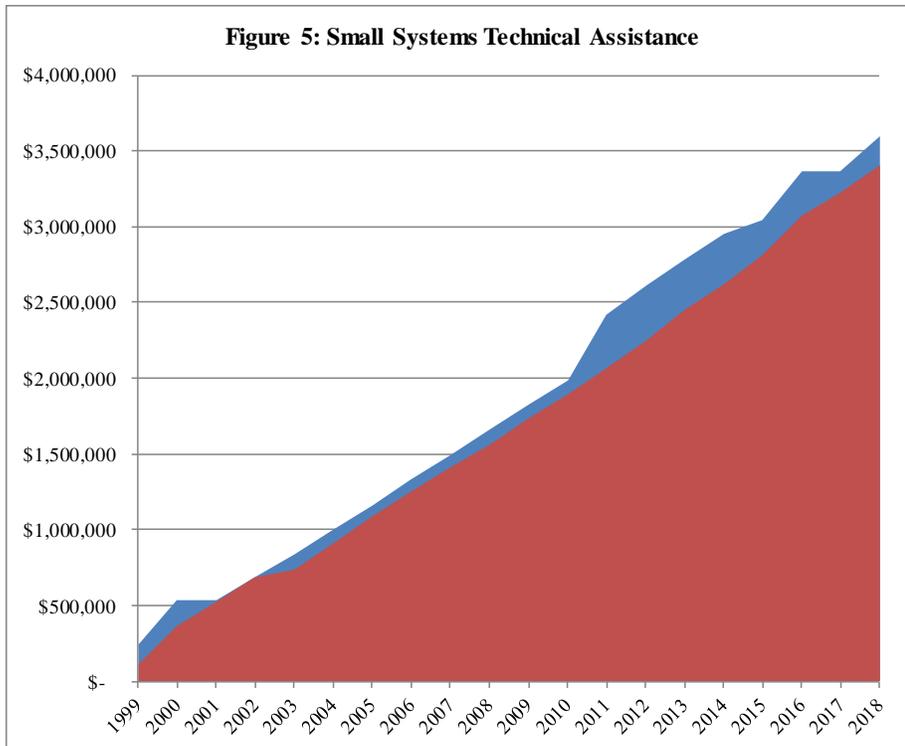
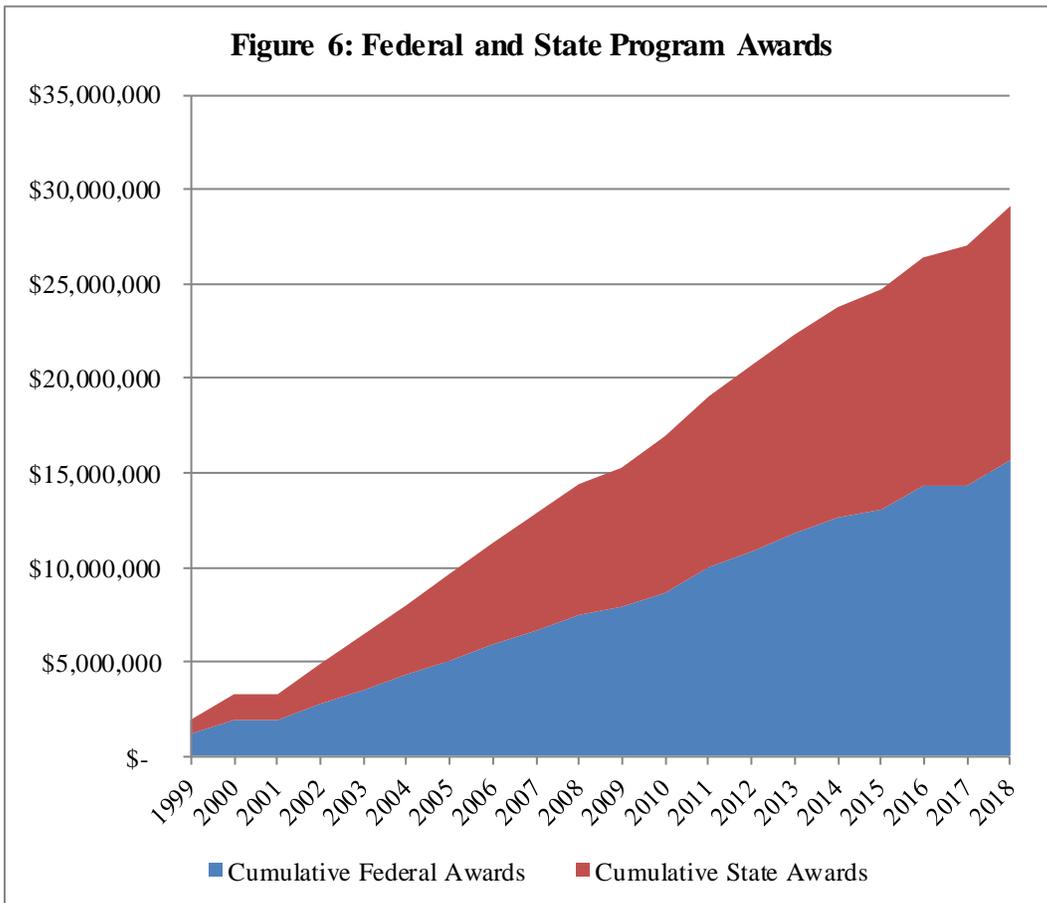


Table 23: Small Systems Technical Assistance

SFY	Awards	Cumulative Awards	Disbursed	Cumulative Disbursements
1999	\$ 238,897	\$ 238,897	\$ 112,289.76	\$ 112,289.76
2000	\$ 291,702	\$ 530,599	\$ 247,205.26	\$ 359,495.02
2001	\$ -	\$ 530,599	\$ 168,760.00	\$ 528,255.02
2002	\$ 155,140	\$ 685,739	\$ 153,901.30	\$ 682,156.32
2003	\$ 155,782	\$ 841,521	\$ 53,687.84	\$ 735,844.16
2004	\$ 161,050	\$ 1,002,571	\$ 175,801.44	\$ 911,645.60
2005	\$ 160,082	\$ 1,162,653	\$ 180,111.67	\$ 1,091,757.27
2006	\$ 166,062	\$ 1,328,715	\$ 161,483.01	\$ 1,253,240.28
2007	\$ 165,710	\$ 1,494,425	\$ 155,759.36	\$ 1,408,999.64
2008	\$ 164,586	\$ 1,659,011	\$ 155,819.52	\$ 1,564,819.16
2009	\$ 164,580	\$ 1,823,591	\$ 164,578.00	\$ 1,729,397.16
2010	\$ 162,920	\$ 1,986,511	\$ 164,993.28	\$ 1,894,390.44
2011	\$ 434,380	\$ 2,420,891	\$ 174,024.53	\$ 2,068,414.97
2012	\$ 185,360	\$ 2,606,251	\$ 182,080.13	\$ 2,250,495.10
2013	\$ 179,500	\$ 2,785,751	\$ 197,123.00	\$ 2,447,618.10
2014	\$ 168,420	\$ 2,954,171	\$ 172,465.49	\$ 2,620,083.59
2015	\$ 88,450	\$ 3,042,621	\$ 189,000.00	\$ 2,809,083.59
2016	\$ 322,870	\$ 3,365,491	\$ 260,461.08	\$ 3,069,544.67
2017	\$ -	\$ 3,365,491	\$ 157,500.00	\$ 3,227,044.67
2018	\$ 230,000	\$ 3,595,491	\$ 177,061.90	\$ 3,404,106.57

c. State Program Management

West Virginia DWTRF used funds from its state program management set-aside for the Public Water Supply Supervision (PWSS) program, capacity development, and operator certification. Figure 6 shows the relative cumulative state match and federal awards demonstrating the 1:1 ratio of the funds. Figure 7 shows the cumulative awards as compared to the disbursements for program management. This past year there have been disbursements for the redirected activities in addition to the typical program management activities as seen in the annual and cumulative disbursements shown in Table 24 below.



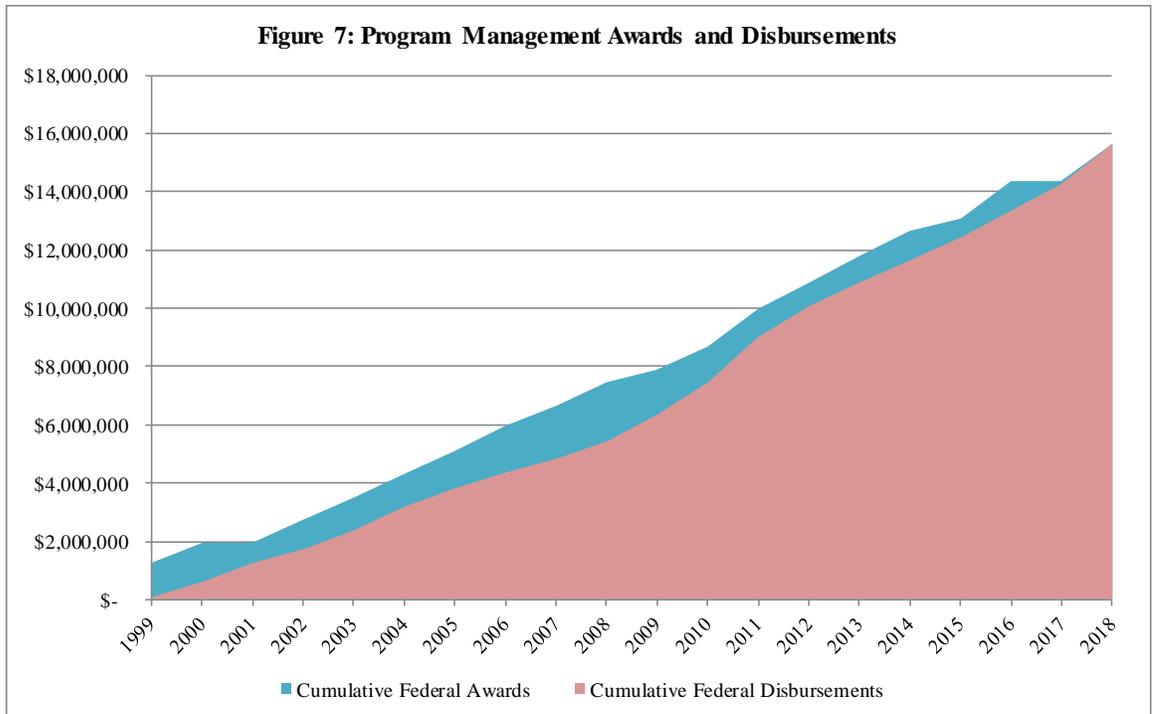


Table 24: State Program Management Awards and Disbursements

SFY	10% Federal Awards	Cumulative Federal Awards	10% State Awards	Cumulative State Awards	Cumulative Federal and State Awards	Annual Federal Disbursements	Cumulative Federal Disbursements	Annual State Disbursements	Cumulative State Disbursements	Total Annual Federal and State Disbursements	Cumulative Federal and State Disbursements
1999	\$ 1,255,032	\$ 1,255,032	\$ 700,000	\$ 700,000	\$ 1,955,032	\$ 87,601.22	\$ 87,601.22	\$ 57,121.34	\$ 57,121.34	\$ 144,722.56	\$ 144,722.56
2000	\$ 700,000	\$ 1,955,032	\$ 700,000	\$ 1,400,000	\$ 3,355,032	\$ 511,253.97	\$ 598,855.19	\$ 349,777.94	\$ 406,899.28	\$ 861,031.91	\$ 1,005,754.47
2001	\$ -	\$ 1,955,032	\$ -	\$ 1,400,000	\$ 3,355,032	\$ 655,258.93	\$ 1,254,114.12	\$ 317,818.27	\$ 724,717.55	\$ 973,077.20	\$ 1,978,831.67
2002	\$ 775,700	\$ 2,730,732	\$ 775,700	\$ 2,175,700	\$ 4,906,432	\$ 495,958.71	\$ 1,750,072.83	\$ 472,265.39	\$ 1,196,982.94	\$ 968,224.10	\$ 2,947,055.77
2003	\$ 778,910	\$ 3,509,642	\$ 778,910	\$ 2,954,610	\$ 6,464,252	\$ 640,508.73	\$ 2,390,581.56	\$ 640,839.46	\$ 1,837,822.40	\$ 1,281,348.19	\$ 4,228,403.96
2004	\$ 805,250	\$ 4,314,892	\$ 805,250	\$ 3,759,860	\$ 8,074,752	\$ 781,313.64	\$ 3,171,895.20	\$ 779,040.76	\$ 2,616,863.16	\$ 1,560,354.40	\$ 5,788,758.36
2005	\$ 800,410	\$ 5,115,302	\$ 800,410	\$ 4,560,270	\$ 9,675,572	\$ 637,878.07	\$ 3,809,773.27	\$ 637,878.05	\$ 3,254,741.21	\$ 1,275,756.12	\$ 7,064,514.48
2006	\$ 830,310	\$ 5,945,612	\$ 830,310	\$ 5,390,580	\$ 11,336,192	\$ 559,345.80	\$ 4,369,119.07	\$ 517,781.50	\$ 3,772,522.71	\$ 1,077,127.30	\$ 8,141,641.78
2007	\$ 694,374	\$ 6,639,986	\$ 828,550	\$ 6,219,130	\$ 12,859,116	\$ 456,522.33	\$ 4,825,641.40	\$ 456,522.30	\$ 4,229,045.01	\$ 913,044.63	\$ 9,054,686.41
2008	\$ 822,930	\$ 7,462,916	\$ 780,870	\$ 7,000,000	\$ 14,462,916	\$ 613,841.35	\$ 5,439,482.75	\$ 613,822.96	\$ 4,842,867.97	\$ 1,227,664.31	\$ 10,282,350.72
2009	\$ 411,450	\$ 7,874,366	\$ 411,450	\$ 7,411,450	\$ 15,285,816	\$ 889,982.03	\$ 6,329,464.78	\$ 755,719.48	\$ 5,598,587.45	\$ 1,645,701.51	\$ 11,928,052.23
2010	\$ 814,600	\$ 8,688,966	\$ 814,600	\$ 8,226,050	\$ 16,915,016	\$ 1,148,335.41	\$ 7,477,800.19	\$ 1,148,335.41	\$ 6,746,922.86	\$ 2,296,670.82	\$ 14,224,723.05
2011	\$ 1,297,010	\$ 9,985,976	\$ 873,950	\$ 9,100,000	\$ 19,085,976	\$ 1,554,586.22	\$ 9,032,386.41	\$ 1,197,087.26	\$ 7,944,010.12	\$ 2,751,673.48	\$ 16,976,396.53
2012	\$ 901,258	\$ 10,887,234	\$ 700,000	\$ 9,800,000	\$ 20,687,234	\$ 1,031,202.37	\$ 10,063,588.78	\$ 991,644.12	\$ 8,935,654.24	\$ 2,022,846.49	\$ 18,999,243.02
2013	\$ 897,500	\$ 11,784,734	\$ 700,000	\$ 10,500,000	\$ 22,284,734	\$ 816,017.69	\$ 10,879,606.47	\$ 621,339.18	\$ 9,556,993.42	\$ 1,437,356.87	\$ 20,436,599.89
2014	\$ 842,100	\$ 12,626,834	\$ 700,000	\$ 11,200,000	\$ 23,826,834	\$ 732,637.51	\$ 11,612,243.98	\$ 559,358.95	\$ 10,116,352.37	\$ 1,291,996.46	\$ 21,728,596.35
2015	\$ 442,250	\$ 13,069,084	\$ 442,250	\$ 11,642,250	\$ 24,711,334	\$ 851,963.40	\$ 12,464,207.38	\$ 716,239.90	\$ 10,832,592.27	\$ 1,568,203.30	\$ 23,296,799.65
2016	\$ 1,270,550	\$ 14,339,634	\$ 439,350	\$ 12,081,600	\$ 26,421,234	\$ 886,429.16	\$ 13,350,636.54	\$ 784,306.20	\$ 11,616,898.47	\$ 1,670,735.36	\$ 24,967,535.01
2017	\$ -	\$ 14,339,634	\$ 647,500	\$ 12,729,100	\$ 27,068,734	\$ 892,890.49	\$ 14,276,527.03	\$ 789,790.10	\$ 12,406,688.57	\$ 1,715,680.59	\$ 26,683,215.60
2018	\$ 1,302,532	\$ 15,642,166	\$ 747,500	\$ 13,476,600	\$ 29,118,766	\$ 1,349,828.62	\$ 15,626,355.65	\$ 732,977.17	\$ 13,139,665.74	\$ 2,082,805.79	\$ 28,766,021.39

Note: Awards do not include In-Kind Services for Program Management support. The SFY2015 federal and state annual award was reduced by \$250 each to correct the previous postings in prior reports.

1)Public Water Supply Supervision (PWSS) Program

Program funding assisted the Data Management Unit in providing staff positions to input data management information. These funds were also used to continue the contract with Global Environmental Consultants to assist with the upgrading and

implementation of SDWIS.

Funding was also utilized in the OEHS District Offices to conduct sanitary surveys, construction inspections, and to provide technical assistance.

2) Capacity Development

During SFY 2018, the OEHS conducted 14 assessments. The Capacity Development unit conducts assessments, when assistance is needed for the following reasons:

- For those systems requesting an assessment to improve their capacity;
- For systems likely to receive DWTRF funding;
- Systems identified by staff as needing capacity improvement;
- Systems identified by other governmental agencies as needing assistance; and,
- Systems rated marginal or failing on the state baseline report.

The Capacity Development Annual report for FFY 2017 was submitted to the EPA in November 2017 and is available for review. The Capacity Development Report to the Governor was submitted in September 2017 and is available for review. Capacity Development staff participates in numerous training seminars and workshops. In addition, our staff provides water system's with resources, tools, templates and guidance to aid systems in boosting both their capacities and their sustainability.

3) Operator Certification

During SFY 2018, the Certification and Training Program:

- Received approval by EPA on the WV Operator Certification Program Annual on September 15, 2017;
- Submitted the current Annual Program Report to EPA on June 25, 2018;
- Reviewed and revised the website as needed to provide operators additional access to forms, certification information, training schedules, study materials, exam dates, regulations, and continuing education information;
- Supported stakeholder newsletters (i.e. *Mountain State Water Line* by WV RWA and *The Pipeline* by WV PSC) with articles regularly;
- Chaired the CEH committee, which reviewed a total of 350 CEH courses for water operators; and,
- Continued participation with the Drinking Water Exam Review Committee (DWERC), comprised of state regulators, educators (WVETC and WVRWA) and higher classification water operators to regularly review and revise operator certification exams to increase training and testing relevance and comply with US EPA requirements. This committee meets monthly. The DWERC continues to work towards at least three (3) current versions of each classification exam with

references, organized by content areas based on Need-to-Know criteria. Priority is given to any individual exam related concerns that arise during administration for the DWERC to resolve immediately since they may affect an operator certification decision and also support continued overall exam improvements.

- Administered the following exams (469 total) during the reporting period:
 - 155 1D exams
 - 94 Water Distribution exams
 - 116 Class I exams
 - 67 Class II exams
 - 25 Class III exams
 - 12 Class IV exams
- Processed the following certifications:

Number of Operators	Classification
408	1D
188	OIT
130	WD
169	Class I
187	Class II
77	Class III
68	Class IV
1,227	Total water operators certified or renewed

- Led the OEHS staff-taught Class I (August 21-25, 2017 and April 30-May 4, 2018) required water operator certification courses (34 students total trained). The Class II water operator certification course was taught by OEHS staff October 9-13, 2017 and June 4-8, 2018 (24 students total trained). *OEHS uses the 2% State Revolving Fund Set-aside funding to provide additional water operator certification training courses through WVRWA. These courses are in addition to the OEHS courses and are not included in the above totals, but are listed separately.
- Provided an exhibit, presentation and/or program representation at the following conferences and training:
 - WV RWA September 2017
 - WV Expo March 2018

- WV AWWA/WEA May 2018
- Presented as part of the WV Public Service Commission Board Member Seminars on July 19, 2017, September 22, 2017, and April 13, 2018.
- Nominated operators in the spring of 2018 for the WV AWWA Perkins Boyton Award.
- A total of 168 BPAITs certified or recertified and certificates were issued during this reporting period. There are approximately 548 certified BPAITs.
- Maintaining a website with currently certified BPAITs in WV at: www.wvdhhr.org/oehs/backflow/default.aspx.

d. Local Assistance and Other State Programs

West Virginia utilized local assistance set-aside funds for source water delineation, assessment, and wellhead protection activities.

Figure 8 shows the cumulative grant awards and disbursements through the end of the fiscal year.

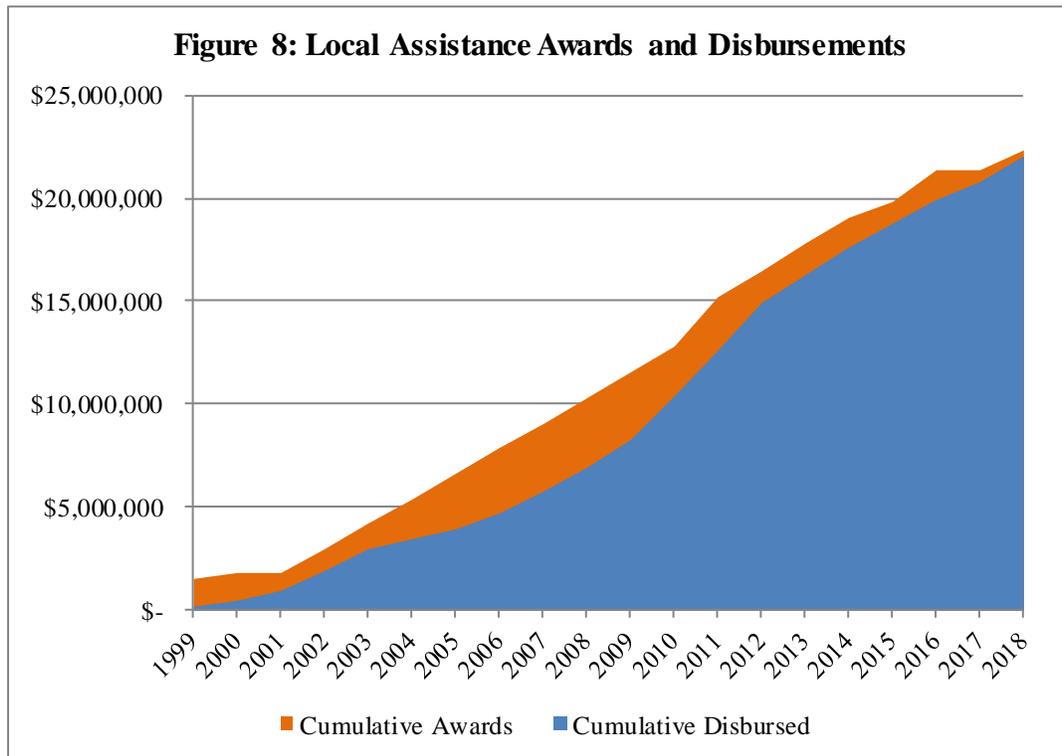


Table 25 shows the annual and cumulative awards and disbursement for the local assistance set-aside.

Table 25: Local Assistance Awards and Disbursements

SFY	Annual Awards	Cumulative Awards	Annual Disbursed	Cumulative Disbursed
1999	\$ 1,486,482	\$ 1,486,482	\$ 188,416.86	\$ 188,416.86
2000	\$ 343,404	\$ 1,829,886	\$ 297,993.93	\$ 486,410.79
2001		\$ 1,829,886	\$ 413,014.89	\$ 899,425.68
2002	\$ 1,163,550	\$ 2,993,436	\$ 957,156.97	\$ 1,856,582.65
2003	\$ 1,168,365	\$ 4,161,801	\$ 1,107,979.46	\$ 2,964,562.11
2004	\$ 1,207,875	\$ 5,369,676	\$ 481,094.91	\$ 3,445,657.02
2005	\$ 1,200,615	\$ 6,570,291	\$ 436,304.95	\$ 3,881,961.97
2006	\$ 1,245,465	\$ 7,815,756	\$ 847,223.24	\$ 4,729,185.21
2007	\$ 1,242,825	\$ 9,058,581	\$ 986,555.79	\$ 5,715,741.00
2008	\$ 1,234,395	\$ 10,292,976	\$ 1,154,174.48	\$ 6,869,915.48
2009	\$ 1,234,350	\$ 11,527,326	\$ 1,384,277.80	\$ 8,254,193.28
2010	\$ 1,221,900	\$ 12,749,226	\$ 2,107,952.20	\$ 10,362,145.48
2011	\$ 2,432,704	\$ 15,181,930	\$ 2,223,153.37	\$ 12,585,298.85
2012	\$ 1,290,200	\$ 16,472,130	\$ 2,304,169.76	\$ 14,889,468.61
2013	\$ 1,326,250	\$ 17,798,380	\$ 1,388,833.16	\$ 16,278,301.77
2014	\$ 1,263,150	\$ 19,061,530	\$ 1,270,342.29	\$ 17,548,644.06
2015	\$ 726,750	\$ 19,788,280	\$ 1,156,620.92	\$ 18,705,264.98
2016	\$ 1,573,550	\$ 21,361,830	\$ 1,190,963.89	\$ 19,896,228.87
2017	\$ -	\$ 21,361,830	\$ 884,989.05	\$ 20,781,217.92
2018	\$ 925,076	\$ 22,286,906	\$ 1,207,089.76	\$ 21,988,307.68

1) Source Water Assessment and Protection (SWAP) Program

West Virginia used set-aside funds for the SWAP Program. EPA granted final approval of the state program on November 6, 1999. The SWAP program has completed assessments for 100% (delineation through public availability) of the community and non-community public water supply systems.

OEHS continues to complete SWAP studies for new PWS systems within the state and continues to participate and build SWAP protection efforts by prioritizing efforts, program resources, education and outreach efforts in developing and implementing protection measures. Implementation of the SWAP builds on other environmental assessment and protection programs and requires integrated linkage and cooperation of the WV Wellhead Protection Program (WHPP), the WV Department of Environmental Protection (WVDEP) Watershed Management Framework (WMF) program, and other associated entities.

2) Ground Water Systems

EPA approved the West Virginia Well Head Protection Plan (WHPP) in 1992 and OEHS staff has been working with ground water systems since that time. The WHPP includes public participation, source delineations, the potential contaminant survey,

and management directives complementing SWAP. New ground water systems must have a completed WHPP and SWAP program.

3) *Surface Water Systems*

All new systems are subject to the complete SWAP process. The WVDEP's Watershed Assessment Branch has been implemented to systematically evaluate every watershed within the state. SWAP builds upon this watershed approach.

4) *Highlights during this reporting period:*

- The Source Water Protection Program Annual Report has been completed for the July 1, 2016 – June 30, 2017 period summarizing public community water systems that have obtained substantial implementation within West Virginia. This report was submitted to the EPA Region III source water protection program. The report indicates 80% of the community water supplies and 96% of the population within West Virginia has obtained substantial implementation. Continue to update the source water protection-tracking database, revisions, protection activities and enhancements to the SWAP/WHPP assessments (implemented and/or have substantial implementation status determination) are entered into this database. The report for FY 2017-2018 will be completed in the next few months.
- SWAP staff continues to work with 126 PWSSs on updating or completing new source water protection plans required by West Virginia Senate Bill (SB) 373, passed in 2014. The primary assistance has been provided to PWSSs with source water protection plan development and holding public hearings before final approval. As of December 31, 2017, 126 updated or new plans have been approved.
- Provided grants through Source Water Protection Grants Program to surface water and groundwater community PWSs to establish and implement water protection programs:
 - The 2017- 2018 Source Water Grant Program totaled approximately \$.5 million in grant awards to twelve (12) West Virginia, mainly to surface water PWS's using largely state funding. The grant awards, administered by the Bureau for Public Health, Environmental Engineering Division, will enable water suppliers to protect existing surface drinking water supply systems, such as reservoirs and other water bodies.
- Evaluation of new Public Water Supply (PWS) water wells or intakes to assure they are in areas where contamination threats are minimal is ongoing. Permits for new public water wells now require an initial survey for potential sources of contamination within 2,000-feet of proposed well location with site-specific information used when available. New potable public water supply water well permits: seven (17) new permits for wells issued for seven (7) new wells.

- Provided source water protection signage to be posted along state highways along the perimeter of the source water protection areas. Note: WV Department of Transportation (DOT) Division of Highways (DOH) continues to deny posting of these signs in DOH rights-of-way. Systems receiving signs are advised that they should not be posted in DOH rights-of-way, but can be along city streets, county roads, hiking trails, railroads etc.
- Provided funding and participated in the Potomac River Basin Drinking Water Source Protection Partnership (Interstate Commission on the Potomac River Basin (ICPRB)). This partnership is composed of water utilities and the various governmental agencies responsible for drinking water protection in the Potomac River Basin. Staff has attended various meetings in Rockville, MD.
- Public Education/Outreach Activities during this reporting period were:
 - The OEHS website at <http://www.wvdhhr.org/oehs/eed/swap> continues to provide information for the SWAP programs and guide municipalities, water suppliers, or other groups through developing a local SWAP program. Also, the website at <http://www.wvdhhr.org/oehs/eed/swap/Bill.asp> contains links to an overview of the West Virginia Senate Bill (SB) 373 Source Water Protection Program, its implementation, revised template with instructions, SWAP posters and other general information. The SWAP website is regularly reviewed and updated, which provides PWSSs and the public additional access to information.
 - Continuing to implement the current Source Water Protection GIS website (<http://oehsportal.wvdhhr.org/WebPortal/Default.aspx>) with a newer GIS Arc Server model to enhance and make more reliable SWAP data management. This website disseminates relevant source water information to public water supplies, state agencies, federal agencies, and local governments too further source water protection. The public GIS informational website is located at <https://oehsportal.wvdhhr.org/wvswap/index.html> and a GIS secure website is located at <http://oehsportal.wvdhhr.org/WebPortal/Default.aspx> where you must request access to the application. Currently coordinate a data exchange with the DEP to prevent duplication of efforts and provide more reliable data.
 - Provide educational materials, posters and brochures concerning the SWAP program.
 - The SWAP program offers an educational loan program of groundwater models to schools or watershed groups that complete the Project WET training or are interested in groundwater protection. Information about this program is available on the SWAP website at <https://www.wvdhhr.org/oehs/eed/swap/documents/Groundwater%20flow%20model%20website.pdf>. The program has loaned out 8 models. No models were loaned out during this reporting period.
 - The West Virginia Rivers Coalition led a project called the “Safe Water for WV” that included a series of public forums, educational tools, local partner

network building and technical assistance to provide citizens with information on source water planning and their role in the process. A key activity was the development of a “Citizen’s Guide to Drinking Water Protection.” This project was funded partly by the WV Department of Health and Human Resources and the WV DEP. As a follow up to the “Safe Water for WV” initiative, WV Rivers Coalition is leading a project, at several designated areas, to help:

- Integrate source water protection planning with ongoing Watershed protection efforts;
 - Provide targeted outreach, education and technical assistance to watershed organizations and citizen groups to encourage meaningful participation in management strategy implementation;
 - Develop and disseminate a “Management Strategies for Source Water Protection Guide”.
- Staff has attended, presented and participated at various source water protection and private water well events across West Virginia and out of state.

Highlighted Meetings;

Potomac Drinking Water Source Protection Partnership 8-17-17

EPA Region III Table Top Exercise, Gettysburg, PA – 9-12-17

RAIN meeting, Morgantown – 10/13/17

EPA Region III Source Water Protection Leadership Forum Philadelphia, PA 3/6/18 – 3/7/18.

WV Water Well Drillers Association Spring Conference, Flatwoods – 4/10/18 - 4/11/18

EPA Region III Source Water Protection Meeting Charlottesville, VA 6/6/18 – 6/7/18

- Developing, through a local contractor, an online application <https://apps.wv.gov/Accounts/Login.aspx?ReturnUrl=%2faccounts%2f> to enable public water supplies to submit a source water protection plan electronically to OEHS. The application shall also provide administrative features that will enable OEHS to review, process and report on the source water protection plan information.
 - Continued to implement and enforce the revised regulations and design standards for private water wells within WV, approved on April 2, 2008, for the protection of groundwater.
- a. Continued participation in the WV Alternative Monitoring Strategy Program (AMSP), determining future monitoring frequency reductions and is dependent on having a SWAP/WHP program in place.

- b. Office has five technical professionals and a manager to assist in the source water protection program to provide technical assistance to public water utilities, review the protection plans when received, participate in the required public and hearing meetings, administer the sub-recipient grants that are provided and other duties to assist in the completion of the source water protection plans.

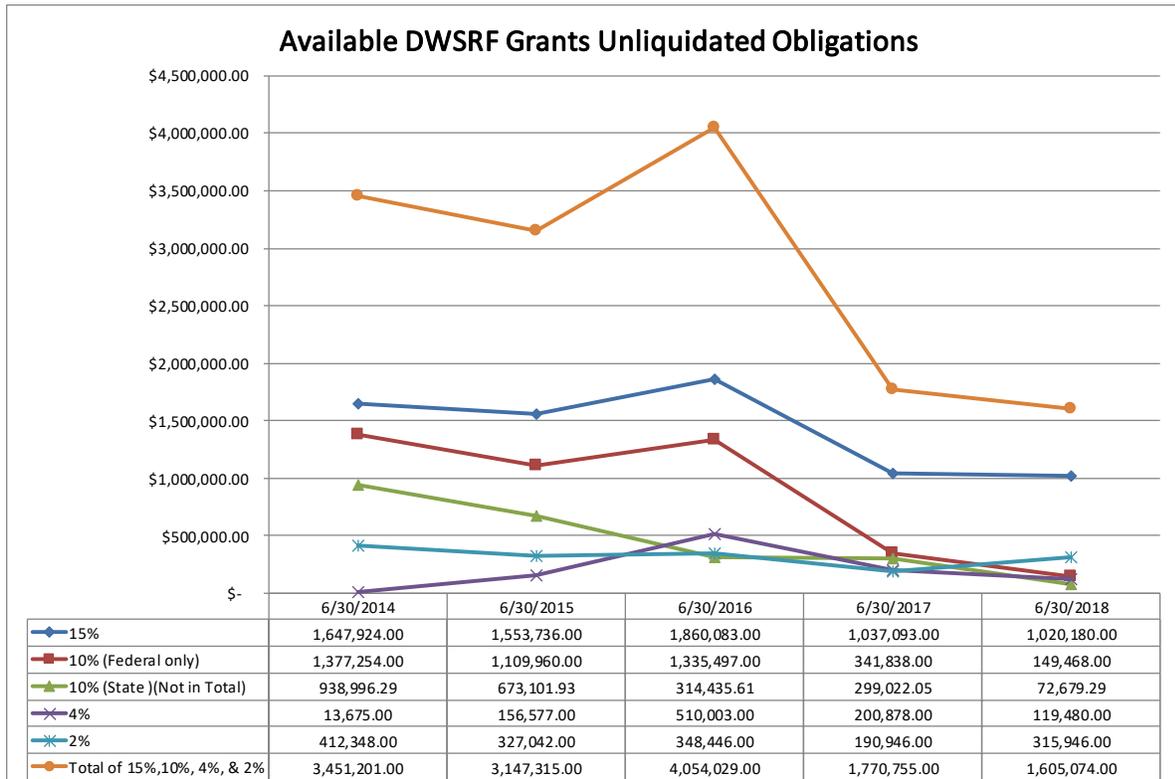
5) Wellhead Protection Activities

Funding from this set-aside supported WHPP activity includes the delineation of recharge areas around public ground water wells, springs, and in some instances mines, as a source of drinking water. Local volunteers survey for potential sources of contamination and land use activities which may have generated past contamination or may generate future contamination. Results of the potential sources of contamination survey are utilized to develop source water protection plans.

e. Set-Aside Unliquidated Obligations (ULO)

The 2017 Capitalization Grant was awarded to the state during the SFY 2018. Figure 9 graphically show the progress of the program to reduce federal grant balances along with the table of ULOs. For the reporting year the ULOs have been reduced by about \$165,000 dollars from the previous year's balance. The program has achieved the goal of reducing ULOs down to a half a year's allocation amount before the next grant is awarded.

Figure 9: Grant Balances (Unliquidated Balances)



IV. FINANCIAL SUMMARY

The following discussion provides additional details on the DWTRF financial management activities.

A. Status of Loans

The DWTRF has closed 136 loans (a total of \$246,183,449) through SFY 2018. Appendix A-1 shows the terms and dates of all DWTRF loans through the end of this reporting period. The information includes the following: loan amount, interest rate, term, cumulative disbursements, and schedule of principal and interest payments.

B. Loan Disbursements – Cash Draw Proportionality

We have disbursed \$227,350,456 for water projects since the program’s inception. Appendix C-1 lists each loan-related federal Automated Clearing House (ACH) cash draw, state draws (payments), and disbursements from cash draw activities during SFY 2018. We are using the grant-specific method to determine federal /state proportionality as defined in

the Guide to Using EPA's Automated Clearing House for the Drinking Water State Revolving Fund Program (EPA-832-B98-003).

C. Set-Aside Disbursements – Cash Draw Proportionality

We have disbursed \$46,766,007 of federal set-aside funds since the program's inception as seen in Table 13. Tables 22, 23, 24, and 25 list a cumulative total of set-aside-related disbursements for each set-aside. This amount does not include any in-kind services or state match. Set-Aside ULOs are shown in Figure 9.

D. Annual Repayment/Aging of Accounts

The DWTRF program has received a cumulative total of \$52,563,591 in scheduled loan repayments through this reporting period as shown in Table 8.

E. Loan Portfolio Analysis

The WDA conducts a monthly review of the DWTRF loan portfolio of repayments from the Municipal Bond Commission and identify any potential problems with repayment or reserve accounts. WDA contacts OEHS and we jointly decide what action to take to encourage the water system to reduce any deficiencies.

Letters may be written to the water system owners or a complaint may be made with the PSC. This year's review is stated in the Long Term Goals item 5.c. at the front of this report. Appendix E has a more detailed description of the loan program review process.

F. Investments

The DWTRF has earned a total of \$3,494,618 in investment interest (not including Administrative Fee investment interest or repayment loan interest) by the end of the year as shown in Table 7. The WDA manages these funds in compliance with state investment practices. The OEHS monitors DWTRF investments quarterly to confirm the interest is credited to the DWTRF account in a timely fashion. Management reports from the statewide Financial Management System (FMS) documenting the DWTRF investment earnings are on file at the WDA's office.

G. Financial Statements

A DWTRF audit report for SFY 2018, including financial statements, has not been finalized and will be sent as an addendum to this annual report. The audited financial statements will be current through the DWTRF SFY 2018 operation.

The next audit of the set-asides for SFY2018 is currently being solicited for accounting firms.

V. COMPLIANCE WITH OPERATING AGREEMENT AND GRANT CONDITIONS

West Virginia has complied with the conditions of the DWSRF operating agreement. We have met and continue to be in compliance with the following conditions described in the operating agreement. The EPA and OEHS completed the update of the operating agreement with a new format. The operating agreement was reviewed during the annual EPA site visit and it was determined that no revisions were needed. The updated operating agreement contains the following key elements:

A. Operating Agreement Assurances and Certifications

1. West Virginia has the authority to establish and operate a fund in accordance with the SDWA. The State of West Virginia established a Drinking Water Treatment Revolving Fund under new legislation during the 1997 legislative session entitled “Drinking Water Treatment Revolving Fund” Article 13C, §16-13C-1. The West Virginia Attorney General’s Office concurs with the authority establishing the DWSRF program and the powers it confers are consistent with state law and that the OEHS may legally bind itself to the terms of the capitalization agreement.

The Attorney General also assures that the program will be administered by the OEHS which is authorized to (1) enter into capitalization grant agreements with the EPA, (2) accept capitalization grant awards made under section 1452(a)(1)(A) of the SDWA, and (3) manage the fund in accordance with the requirements and objectives of the SDWA.

2. West Virginia complies with state statutes and regulations.

The DWSRF has complied with all applicable state laws, regulations, procedures, and policies.

3. West Virginia has the technical capability to operate the program.

The OEHS has primacy for the SDWA for the State of West Virginia. The OEHS administers the DWSRF program including both construction and set-aside activities.

4. West Virginia will accept the capitalization grant funds in accordance with a payment schedule.

The OEHS included in its annual DWSRF grant application a proposed payment schedule which includes both set-aside and construction portions of the DWSRF.

These payment schedules will be supported by the annual IUP. The state accepts grant payments in accordance with the negotiated payment schedule consistent with the IUP.

5. West Virginia deposits all capitalization grant funds in the DWSRF.

The OEHS deposits all capitalization grant funds to the appropriate DWSRF accounts which include the set-aside and construction accounts. The OEHS maintains identifiable and

separate accounts for the set-aside portions of the federal capitalization grant.

6. West Virginia will deposit at least 20% of the capitalization grant from the WVIJDC Fund.

The WVIJDC provided \$36,537,757 as the required 20% state match. The state match data is listed in section III.A.2 Table 6 of this report.

7. West Virginia deposits a dollar-for-dollar match for the 2017 Capitalization Grant, up to ten percent of funds the state uses for set-asides. However, this match is no longer required for subsequent Capitalization Grants.

The West Virginia legislature appropriates an annual amount of \$647,500 as a cash match against future grant awards. The OEHS has provided \$13,476,600 in cash match for the State Program Management set aside as shown in Table 6. \$555,032 from the 1993 PWSS overmatch is available each year as a non-cash match (Gift) for the State Program Management set aside. Table 6 shows the non-cash matches and the cash match for the 1:1 ratio.

8. West Virginia deposits all proceeds into the fund.

The OEHS deposits all principal and interest payments, net bond proceeds, and returns on investment into the DWTRF per the Code of West Virginia (§16-13C-3).

9. West Virginia Uses Generally Accepted Accounting Principles (GAAP).

The annual report is prepared using cash basis in accordance with our state accounting system.

10. West Virginia had the annual DWTRF funds and DWSRF set-aside funds audited annually and tri-annually respectively in accordance with GAGAS.

The accounting firm of Brown Edwards, CPA's is conducting an annual audit of the DWTRF but the report has not been finalized at the time of this annual report. The DWTRF audit will address all funding activity from the construction loan account and the administration fee account. The audit of DWTRF construction accounts will be issued as an addendum to this annual report. The set-aside funds are audited once every three years and will be completed for SFY2018.

11. West Virginia adopted policies and procedures to assure that borrowers have a dedicated source of repayment.

Applicants/recipients must furnish financial summaries, including current debts, method of re-payment for debt incurred through participation in the DWTRF program. All financial summaries are reviewed by the PSC as a requirement for construction projects involving public utilities in WV. The OEHS also conducts CDA's to assist communities that have or will receive a DWTRF loan in their financial, managerial, and technical capabilities.

12. West Virginia commits and expends funds as efficiently as possible and in an expeditious and timely manner.

West Virginia has committed 98% of available loan funds from all appropriated capitalization grants including the 20% state match and loan repayments. Two letters of binding commitment are outstanding as shown in Appendix A-2. An additional \$26,184,296 in projects has been earmarked for projects nearing the construction stage or projects having a design loan. PWS's with binding commitments have moved in an expeditious and timely manner to start construction. The OEHS will be monitoring construction progress to ensure that operations are initiated according to schedule.

The set-aside funds continue to reduce ULOs for the year. Current balances are at the goal level of a half year's funding.

13. Funds are used in Accordance with the Intended Use Plan.

OEHS prepared an annual IUP, which was included with the annual capitalization grant application. The projects are funded or bypassed in the order as stated in the respective IUP's. Projects on a specific IUP may be active for two or more years before a loan closing is achieved.

14. WV will provide US EPA with a Biennial Report and Annual Audit.

The submission of this document on an annual basis, although not required by the EPA/State Operating Agreement, is intended to provide a current evaluation of the DWSRF.

15. West Virginia complies with all federal cross cutting authorities.

The OEHS and all of its assistance recipients have complied with all applicable federal cross-cutting authorities.

B. Construction

Appendix C-3 shows the 2018 report for the construction funds based on loans closed during this reporting period and their respective Disadvantaged Business Enterprises (DBE) – MBE, WBE, and Small contracts awarded. The OEHS also assists the loan recipient by going to pre-bid and pre-construction meetings to discuss the six-affirmative steps as well as assisting in providing DBE data base information.

As part of the semi-annual reporting requirements, OEHS identifies the closed construction loans and obtains quarterly reports from the loan recipients identifying (sub) contracts awarded.

C. Set-Asides

During SFY 2018, West Virginia has tracked the set-aside expenditures and DBE expenditures for the appropriated capitalization set-aside funds utilizing spreadsheets as shown in Appendix C-2 and C-3.

As part of the quarterly reporting requirements, OEHS identifies the set-aside expenditures and identifies the DBE's for all set-asides except the 2% technical assistance which is a sub-recipient grant agreement with a third party.

APPENDIX A

APPENDIX A-1: SRF Construction Loan Closings

APPENDIX A-2: SRF Construction Loan Letters of Commitment

APPENDIX A-3: Comprehensive Funding List Summary

APPENDIX A-4: By-Passed Project List

APPENDIX A-5: Green Project Reserve Cumulative Listing

APPENDIX A-1

SRF CONSTRUCTION LOAN CLOSINGS (BINDING COMMITMENTS)						
Loan Receipt	Project No.	Amount	Closing Date	Loan Rate	Admin. Fee	Years
Town of Marlinton	98DWTRF003	\$705,400	11/20/1998	0.0%	1.0%	30
Town of Fort Gay	98DWTRF008	\$305,000	7/19/1999	0.0%	1.0%	30
New Haven PSD	98DWTRF010	\$1,241,000	3/2/2000	0.0%	1.0%	30
Mason County PSD (Lakin)*	98DWTRF007	\$960,000	6/28/2000	2.0%	1.0%	20
New Haven PSD II	98DWTRF010-A	\$767,354	9/21/2000	0.0%	1.0%	30
City of Martinsburg*	98DWTRF009	\$7,564,000	9/26/2000	2.0%	1.0%	20
New Haven PSD III	98DWTRF010-B	\$732,646	3/29/2001	0.0%	1.0%	30
Town of Mason*	98DWTRF006	\$650,000	5/10/2001	2.0%	1.0%	20
Danville PSD (Boone County)	99DWTRF006	\$2,130,000	4/26/2000	0.0%	1.0%	30
Grandview-Doolin PSD	99DWTRF007	\$1,483,979	5/2/2000	0.0%	1.0%	30
City of Gary	99DWTRF010	\$1,786,911	8/1/2000	0.0%	0.5%	30
Bluewell PSD	99DWTRF003	\$1,275,000	8/29/2000	0.0%	1.0%	30
Clarksburg Water Board*	99DWTRF025	\$2,383,850	4/23/2001	2.0%	1.0%	20
Town of Delbarton	99DWTRF005	\$258,000	7/18/2001	0.0%	1.0%	30
River Road PSD*	99DWTRF020	\$1,068,500	10/25/2001	2.0%	1.0%	20
Eastern Wyoming PSD	99DWTRF001	\$360,000	10/16/2001	0.0%	1.0%	30
City of Summersville	99DWTRF008	\$2,388,495	12/18/2002	0.0%	1.0%	30
Hamrick PSD	99DWTRF009	\$760,000	3/31/2003	0.0%	1.0%	30
Mason County PSD (Camp Conley)*	99DWTRF018	\$602,000	6/8/2004	2.0%	1.0%	20
Town of Bath	00DWTRF004	\$1,150,000	12/3/2002	0.0%	1.0%	30
Corp. of Shepherdstown*	00DWTRF012	\$1,300,541	6/13/2003	2.0%	1.0%	20
Corp. of Shepherdstown	00DWTRF012	\$699,459	6/13/2003	0.0%	1.0%	30
Town of Franklin	00DWTRF030	\$2,528,623	12/17/2003	0.0%	1.0%	30
Eastern Wyoming PSD	99DWTRF001	\$570,000	8/24/04	0.0%	1.0%	30
Town of Wayne	00DWTRF010	\$1,925,000	10/21/04	0.0%	1.0%	30
Cowen PSD*	00DWTRF022	\$800,000	12/29/04	2.0%	1.0%	20
Cowen PSD	00DWTRF022	\$400,000	12/29/04	0.0%	1.0%	30
Gilmer County PSD	01DWTRF012	\$1,639,000	4/19/05	0.0%	1.0%	30
City of Kenova	03DWTRF028	\$9,986,213	9/27/2005	0.0%	1.0%	30
Eastern Wyoming PSD-Gulf Project	01DWTRF002	\$2,570,000	1/12/2006	0.0%	1.0%	30
City of Wierion (Bellevue tank)	04DWTRF038	\$2,555,000	4/25/2006	2.0%	1.0%	20
Town of Bath II (Dist waterline)	01DWTRF018	\$1,250,000	8/29/06	0.0%	1.0%	30
Town of Masontown	05DWTRFA003	\$635,500	3/12/07	0.0%	1.0%	30
Town of Ceredo	04DWTRF006	\$2,700,000	6/14/07	0.0%	1.0%	30
Preston County #1	05DWTRFA013	\$806,838	7/12/07	0.0%	1.0%	30
Marshall County PSD #4	05DWTRFA014	\$1,225,000	9/26/07	0.0%	1.0%	30
City of Fairmont	05DWTRFA004	\$2,750,000	6/26/08	0.0%	1.0%	30
City of Ronceverte	03DWTRF027	\$2,000,000	9/5/08	0.0%	1.0%	30
Town of Wardensville	05DWTRFA002	\$1,550,000	12/10/08	0.0%	1.0%	30
City of Petersburg (A Bonds)	05DWTRFA009	\$2,700,000	4/16/09	2.0%	1.0%	20
City of Petersburg (C Bonds)	05DWTRFA009	\$2,500,000	4/16/09-8/13/2009	0.0%	0.0%	30
City of Petersburg (B Bonds ARRA)	05DWTRFA010	\$2,915,000	4/16/09-8/13/2009	PF	0.0%	10
City of White Sulphur Springs Design Lo	07DWTRFA001	\$625,000	6/12/09	2.0%	1.0%	20
Jane Lew PSD (ARRA)	09DWTRFA026	\$429,399	10/23/2009	PF	0.0%	10
Jane Lew PSD	09DWTRFA026	\$429,399	10/23/2009	0.0%	0.0%	30
Town of Bath III (ARRA)	07DWTRFA002	\$2,193,910	10/29/2009	PF	0.0%	10
Town of Bath III	07DWTRFA002	\$2,193,910	10/29/2009	0.0%	0.0%	30
City of Weirton	06DWTRFA003	\$2,496,208	11/19/2009	2.0%	1.0%	20
Putnam PSD (ARRA)	09DWTRFA096	\$100,000	12/4/2009	2.0%	0.0%	20
Putnam PSD	09DWTRFA096	\$627,000	12/4/2009	2.0%	0.0%	20
City of Welch (ARRA)	07DWTRFA003	\$625,000	12/18/2009	PF	0.0%	10

APPENDIX A-1

SRF CONSTRUCTION LOAN CLOSINGS (BINDING COMMITMENTS)						
Loan Receipt	Project No.	Amount	Closing Date	Loan Rate	Admin. Fee	Years
City of Welch	07DWTRFA003	\$625,000	12/18/2009	0.0%	0.0%	30
Sun Valley PSD	05DWTRFA001	\$300,000	1/14/2010	0.0%	0.0%	30
Sun Valley PSD (ARRA)	05DWTRFA001	\$1,773,000	1/14/2010	PF	0.0%	10
City of Salem	05DWTRFA001	\$900,000	1/14/2010	0.0%	0.0%	30
City of Salem(ARRA)	05DWTRFA001	\$927,000	1/14/2010	PF	0.0%	10
Coons Run PSD (ARRA)	09DWTRFA008	\$1,200,000	1/27/2010	PF	0.0%	10
Coons Run PSD	09DWTRFA008	\$1,200,000	1/27/2010	0.0%	0.0%	30
Charles Town, City of (ARRA)	09DWTRFA066	\$100,000	1/13/2010	2.0%	0.0%	20
Charles Town, City of	09DWTRFA066	\$912,458	1/13/2010	2.0%	0.0%	20
Sugar Creek PSD (ARRA)	09DWTRFA035	\$396,500	1/7/2010	PF	0.0%	10
Sugar Creek PSD	09DWTRFA035	\$312,500	1/7/2010	0.0%	0.0%	30
Whitmer Water Association (ARRA)	09DWTRFA001	\$2,117,573	1/21/2010	PF	0.0%	10
Whitmer Water Association	09DWTRFA001	\$370,000	1/21/2010	0.0%	0.0%	30
WVAWC Fayette (ARRA)	09DWTRFA089	\$1,925,000	1/28/2010	PF	0.0%	10
WVAWC Fayette	09DWTRFA089	\$1,925,000	1/28/2010	0.0%	0.0%	20
City of Fairmont (ARRA)	09DWTRFA004	\$4,447,618	1/21/2010	PF	0.0%	10
City of Fairmont	09DWTRFA004	\$4,447,618	1/21/2010	0.0%	0.0%	30
Morgantown Utility Board (ARRA)	09DWTRFA063	\$100,000	1/28/2010	2.0%	0.0%	20
Morgantown Utility Board	09DWTRFA063	\$9,317,286	1/28/2010	2.0%	0.0%	20
Southwestern PSD	06DWTRFA004	\$6,100,000	3/12/2010	0.0%	1.0%	30
City of Wellsburg	10DWTRFB016	\$215,000	10/27/2010	2.0%	1.0%	20
Nettie-Leivasy PSD	06DWTRFA009	\$3,073,000	3/3/2011	0.0%	1.0%	30
Parkersburg, City of	10DWTRFA023	\$5,800,000	3/16/2011	2.0%	1.0%	20
White Sulphur Springs, City of	10DWTRFA002	\$8,000,000	4/14/2011	0.0%	1.0%	30
White Sulphur Springs, City of	10DWTRFA002	\$4,252,750	4/14/2011	PF	-	-
St. Mary's, City of	10DWTRFB018	\$4,203,500	1/5/2012	2.0%	1.0%	20
Wellsburg, City of	10DWTRFB016C	\$2,435,000	3/1/2012	2.0%	1.0%	20
Oakland PSD	10DWTRFB017	\$3,014,455	5/24/2012	0.0%	1.0%	30
Oakland PSD	10DWTRFB017	\$1,367,839	5/24/2012	PF	-	-
Huttonsville PSD (Design Loan)	11DWTRFA016	\$244,500	8/7/2012	0.0%	1.0%	30
Morgantown - Quarry Run Ext	11DWTRFB011	\$570,000	8/24/2012	0.5%	0.5%	30
Morgantown - Quarry Run Ext	11DWTRFB011	\$444,835	8/24/2012	PF	-	-
Beverly, Town of	10DWTRFB005	\$3,800,000	8/29/2012	0.0%	1.0%	30
Beverly, Town of	10DWTRFB005	\$50,000	8/29/2012	PF	-	-
Preston County PSD #4	12DWTRFA004	\$3,903,853	11/21/2012	0.5%	0.5%	30
Preston County PSD #4	12DWTRFA004	\$605,000	11/21/2012	PF	-	-
Fairmont, City of (AMR Project)	11DWTRFA024	\$3,780,000	2/1/2013	0.5%	0.5%	20
Southern Jackson PSD	11DWTRFB008	\$3,140,000	2/14/2013	0.0%	1.0%	30
Camden on Gauley PSD	11DWTRFA008	\$880,500	5/24/2013	0.0%	1.0%	30
Camden on Gauley PSD	11DWTRFA008	\$1,080,500	5/24/2013	PF	-	-
Gilmer County PSD	11DWTRFA009	\$1,725,000	5/24/2013	0.0%	1.0%	30
Cowen PSD	12DWTRFA003	\$210,000	6/25/2013	0.5%	0.5%	30
Cowen PSD	12DWTRFA003	\$746,027	6/25/2013	PF	-	-
Capon Bridge, Town of	11DWTRFA010	\$1,989,000	10/2/2013	0.0%	1.0%	30
Capon Bridge, Town of	11DWTRFA010	\$450,814	10/2/2013	PF	-	-
Cowen PSD (Erbacon Design)	14DWTRFA005D	\$160,000	11/21/2013	PF	-	-
Wilderness PSD (Design Loan)	14DWTRFA009D	\$143,924	1/31/2014	PF	-	-
City of Welch (Design Loan)	14DWTRFA007D	\$310,000	2/20/2014	0.5%	0.5%	30
Town of Stonewood	13DWTRFA005	\$2,250,000	3/19/2014	0.0%	1.0%	30
Town of Stonewood	13DWTRFA005	\$1,052,543	3/19/2014	PF	-	-
Jefferson County PSD	13DWTRFA004	\$985,350	4/17/2014	0.0%	1.0%	30

APPENDIX A-1

SRF CONSTRUCTION LOAN CLOSINGS (BINDING COMMITMENTS)						
Loan Receipt	Project No.	Amount	Closing Date	Loan Rate	Admin. Fee	Years
Jefferson County PSD	13DWTRFA004	\$1,073,246	4/17/2014	PF	-	-
Chapmanville, Town of	12DWTRFB012	\$1,505,000	5/22/2014	0.5%	0.5%	30
Fenwick Mountain PSD	14DWTRFA001	\$1,059,000	9/17/2014	0.5%	0.5%	30
Fenwick Mountain PSD	14DWTRFA001	\$400,000	9/17/2014	PF	-	-
Page Kincaid PSD	14DWTRFA004	\$600,000	1/29/2015	0.5%	0.5%	30
Page Kincaid PSD	14DWTRFA004	\$750,000	1/29/2015	PF	-	-
Huttonsville PSD	11DWTRFA016D	\$3,655,500	6/5/2015	0.0%	1.0%	30
Welch, City of (WTP)	14DWTRFA007D	\$3,540,088	6/17/2015	0.5%	0.5%	30
Clay Battelle PSD	14DWTRFA003	\$1,500,000	7/22/2015	2.5%	0.5%	20
Clay Battelle PSD	14DWTRFA003	\$3,879,958	7/22/2015	0.5%	0.5%	30
Wilderness PSD	14DWTRFA009	\$1,905,856	8/12/2015	0.5%	0.5%	30
Wilderness PSD	14DWTRFA009	\$464,715	8/12/2015	PF		
Hartford, Town of (Design)	15WTRFA008D	\$207,136	8/18/2015	0.5%	0.5%	30
New Haven, Town of (Design)	15WTRFA010D	\$337,415	8/27/2015	0.5%	0.5%	30
Lubeck PSD (Design Loan)	15DWTRFA007D	\$242,633	9/10/2015	PF		
Bluewell PSD (Pocahontas)	14DWTRFB016	\$420,000	10/29/2015	PF		
Cowen PSD (Erbacon)	14DWTRFA005	\$2,892,500	1/21/2016	0.5%	0.5%	30
Claywood Park PSD	15DWTRFA002	\$4,343,944	6/2/2016	0.5%	0.5%	30
Claywood Park PSD	15DWTRFA002	\$700,000	6/2/2016	PF		
Mason, Town of	15DWTRFA011	\$2,291,493	6/3/2016	0.5%	0.5%	30
River Road PSD	16DWTRFA005	\$2,546,000	8/11/2016	0.5%	0.5%	30
Lubeck PSD	15DWTRFA007	\$3,273,000	9/22/2016	0.5%	None	30
Lubeck PSD	15DWTRFA007	\$407,367	9/22/2016	PF		
Weirton, City of	16DWTRFA009	\$4,000,000	10/22/2016	2.5%	0.5%	20
Preston County PSD #4	16DWTRFA008	\$1,932,071	12/15/2016	2.5%	0.5%	20
Oceana, Town of (Design)	17DWTRFB008D	\$300,000	12/6/2017	0.8%	0.5%	30
Chapmanville, Town of (Line Replace)	16DWTRFA007	\$984,000	5/31/2018	0.5%	0.5%	30
Greenbrier County PSD #2	16DWTRFA003	\$6,015,000	5/31/2018	0.5%	0.5%	30
Greenbrier County PSD #2	16DWTRFA003	\$1,200,000	5/31/2018	PF		
New Haven, Town of	15DWTRFA010	\$5,456,585	6/27/2018	0.5%	0.5%	30
New Haven, Town of	15DWTRFA010	\$1,000,000	6/27/2018	PF		
Hartford, Town of	17DWTRFA008	\$1,425,864	6/27/2018	0.5%	0.5%	30
Hartford, Town of	17DWTRFA008	\$797,000	6/27/2018	PF		
Tomlinson PSD (Design)	18DWTRFA010D	\$500,000	6/27/2018	0.8%	0.5%	30
Total		\$246,183,449				

PF indicates Principal Forgiveness Loan with no repayment

Yellow highlight indicates projects that closed loans in the reporting period.

APPENDIX A-2

2018 SRF CONSTRUCTION BINDING COMMITMENT AND PLANNED COMMITMENTS

County	Loan Recipient	DWTRF Project No.	LIDC Project No.	Binding Commitment Letter Date	Total Funding Amount	Loan Rate	Years	Admin Fee Rate (Loan Only)	Principal Forgiveness	Projected Loan Closing Date
Wyoming	Oceana, Town of (Part A)	17DWTRFB008A	2017W-1675	2/26/2018	\$450,000	0.75%	30	0.50%	\$0	9/26/2018
Mercer	Lashmeet PSD (Part A)	18DWTRFA002A	2018W-1729	5/30/2018	\$183,704				\$183,704	8/14/2018
	TOTAL BINDING COMMITMENTS				\$633,704					
	PLANNED BINDING COMMITMENTS FOR SFY2019									
Mercer	Lashmeet PSD (Part B)	18DWTRFA002B	2018W-1729	TBD	\$132,296				\$132,296	2/1/2019
Wyoming	Oceana, Town of (Part B)	17DWTRFB008B	2017W-1675	TBD	\$4,550,000	0.75%	30	0.50%	\$800,000	3/15/2019
Hancock	Tomlinson PSD	18DWTRFA010	2018W-1731	TBD	\$6,042,000	0.75%	30	0.50%	\$0	4/15/2019
Nicholas	Richwood, City of	16DWTRFA006	2014W-1529	TBD	\$3,185,000	0.50%	30	0.50%	\$500,000	6/30/2019
McDowell	McDowell County PSD	17DWTRFA001	2014W-1513	TBD	\$650,000				\$650,000	6/30/2019
Cabell	Salt Rock PSD	18DWTRFA011	2017W-1714	TBD	\$3,100,000	0.75%	30	0.50%	\$775,000	5/30/2019
Hampshire	Central Hampshire PSD	18DWTRFA005	2017W-1710	TBD	\$1,225,000	0.75%	30	0.50%	\$555,000	5/30/2019
Brooke	City of Follansbee	18DWTRFA012	TBD	TBD	\$4,000,000	1.00%	30	0.25%	\$0	5/30/2019
Greenbrier	City of Ronceverte (PHI)	18DWTRFA004	2017W-1740	TBD	\$3,300,000	0.75%	30	0.50%	\$800,000	5/30/2019
	TOTAL PLANNED BC's				\$26,184,296					
	TOTAL BC's AND PLANNED BC's				\$26,818,000					

APPENDIX A-3 COMPREHENSIVE PROJECT PRIORITY LIST 2015A

WEST VIRGINIA 15DWTRFA PROJECT PRIORITY LIST (PPL)/COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST
1	Elkins Road PSD	Upshur	Phase 3 - Water System Extension and Improvements	This project will make improvements to the Elkins Road PSD's existing water distribution system and extend potable water to Beech Run, Hawkins Road, Upper Childers Run, Jackson Road/Wintery Road, Wolfe Ridge Road, Fortney/Snyder Road, Audra Road/Braddock Lane, Radabaugh Ridge/Handy Camp Road, Kedron Road and Osbomer Run Road.	Yes	2,765	\$2,450,000	\$6,488,000
2	Claywood Park PSD	Wood	Water System Improvements	Consists of misc. water system improvements to enhance hydraulic capacity in 2 separate parts of the system; provide emergency preparedness through addition of power generation and additional storage; replacement of old lines; repainting of 3 tanks and replacement of 2 tanks; small waterline extension to serve 11 new customers; new equipment at 2 booster stations	Yes	15,358	\$2,522,000	\$5,044,000
3	Cameron, City of	Marshall	Water System Improvements	This project is to replace deteriorated water line within the City of Cameron and to extend water service to 52 new customers along County Route 25 to the Pennsylvania border. The project will consist of approximately 3.3 miles of water line (5,500 LF of 2", 10,300 LF of 6" and 1,700 LF of 8" water line), 16 fire hydrants, painting of the existing 500,000 gallon water storage tank, new radio read system and all necessary valves and appurtenances. The extension would provide the new customers, currently served by private water wells, with not only a safe and reliable source of potable water, but also provide them with fire protection.	Yes	1,164	\$404,361	\$1,710,951
4	Greenbrier County PSD #2	Greenbrier	Sam Black Church Waterline Extension	This project will upgrade the Greenbrier County PSD #2 WTP to 700 GPM and to serve 405 new customers in the Sam Black Church area. It will consist of approx. 17 miles of waterline, 58 fire hydrants, one 125,000 gallon storage tank. It will also include an interconnection with the Town of Rupert	Yes	2,167	\$6,000,000	\$10,086,000
5	Salt Rock PSD	Cabell	Miscellaneous Waterline Extension Projects	This project will extend water to 84 new customers in the Upper Tom's Creek, Big Cabell Creek, Lower Heath Creek, Raecoon Creek, and the Dale Woodrum/Jack Chapman areas. Project will consist of approx. 8 miles of waterline, 23 fire hydrants and all necessary valves and appurtenances	Yes	9,062	\$1,988,000	\$2,271,000
6	Richwood, City of	Nicholas	City of Richwood - Hinkle Mountain/Laurel Creek Water Expansion	This project will extend water service to approx. 152 residents of Hinkle Mountain and Little Laurel Creek. To do this, the Richwood WTP and distribution will need to be repaired and/or refurbished. Project will consist of replacement of settling tubes, flocculators and filter media at the WTP. All storage tanks will be inspected including telemetry. Tanks will be painted and fenced. Installation of approx. 10 miles of waterline, one booster station, and on 100,000 gallon elevated storage tank.	Yes	3,070	\$3,364,500	\$6,464,500

APPENDIX A-3 COMPREHENSIVE PROJECT PRIORITY LIST 2015A

WEST VIRGINIA 15DWTRFA PROJECT PRIORITY LIST (PPL)/COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST
7	Lubeck PSD	Wood	Belleville Waterline Extension Project	This project will extend water service to approximately 207 new customers currently residing in Belleville area of Wood County. The proposed extension will consist of approximately 19.5 miles (103,400 LF) of 6-inch water line along WV68 and County Routes 11, 17, 17/1, 17/4, 17/5, 9/24, 68/3, and 68/4.	Yes	10,973	\$3,923,000	\$3,923,000
8	Hartford, Town of	Mason	Water Distribution System Improvements Project	This project proposes to replace the entire Town of Hartford's water distribution system (constructed in 1964) and abandon their existing water treatment plant including their Sliding Hill Creek Storage Tank and California Street groundwater well and begin purchasing water from the Town of New Haven. The project will consist of the replacement of approximately 10 miles (51,400 LF) of 8-inch and smaller diameter waterline, 22 fire hydrants, 59 gate valves, one master meter and vault, 336 new touch read meters and settings.	Yes	612	\$2,133,000	\$3,133,000
9	*Cedar Grove, Town of	Kanawha	Water Treatment Plant Rehabilitation and Water Distribution Improvements Project	The project will consist of the rehabilitation of the existing WTP and water storage tanks site, construct a new 300,000 gallon storage tank and replacement of old and deteriorated distribution system	Yes	3,120	\$4,000,000	\$8,178,060
10	New Haven, Town of	Mason	Waterline Upgrade and Replacement Project	This project will include the replacement of the entire distribution system and storage tanks and installing an interconnection for the Town of Hartford. The project will consist of a new booster pump station, approximately eleven (11) miles of 2", 6" & 8" water line, demolition of two (2) 150,000 gallon water storage tanks (Downtown Tank (1936) and Haven Heights Tank (1962) which were both painted in 2004), a 500,000 gallon water storage tank, forty-six (46) fire hydrants, twenty-five (25) blow-off assemblies and all necessary service lines, flow meters, telemetry, valves and appurtenances.	Yes	1615	\$5,794,000	\$6,294,000
11	*Mason, Town of	Mason	Water Distribution System Improvements Project	Replace old, undersized water lines throughout the Town's service boundaries, rehabilitate the water storage tank, and make improvements to pumping facilities.	Yes	1,956	\$2,488,500	\$2,488,500
12	Chapmanville Municipal Water Works	Logan	Phase 2 - Distribution Line Improvements	The project will replace 3 miles of deteriorated leaking water mains, install fire hydrants and any necessary valves and appurtenances in an effort to improve the system's high unaccounted for water losses and increase the reliability of providing clean drinking water to customers.	Yes	2,311	\$984,000	\$2,529,000

APPENDIX A-3 COMPREHENSIVE PROJECT PRIORITY LIST 2016A

WEST VIRGINIA 16DWTRFA PROJECT PRIORITY LIST (PPL)/COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST
1	Elkins Road PSD	Upshur	Phase 3 - Water System Extension and Improvements	This project will make improvements to the Elkins Road PSD's existing water distribution system and extend potable water to Beech Run, Hawkins Road, Upper Childers Run, Jackson Road/Winery Road, Wolfe Ridge Road, Forney/Snyder Road, Audra Road/Braddock Lane, Radabaugh Ridge/Handy Camp Road, Kedron Road and Osbomer Run Road.	Yes	2,765	\$2,450,000	\$6,488,000
2	Cameron, City of	Marshall	Water System Improvements	This project is to replace deteriorated water line within the City of Cameron and to extend water service to 52 new customers along County Route 25 to the Pennsylvania border. The project will consist of approximately 3.3 miles of water line (5,500 LF of 2" 10,300 LF of 6" and 1,700 LF of 8" water line), 16 fire hydrants, painting of the existing 500,000 gallon water storage tank, new radio read system and all necessary valves and appurtenances. The extension would provide the new customers, currently served by private water wells, with not only a safe and reliable source of potable water, but also provide them with fire protection.	Yes	1,164	\$404,361	\$1,710,951
3	Greenbrier County PSD #2	Greenbrier	Sam Black Church Waterline Extension	This project will upgrade the Greenbrier County PSD #2 WTP to 700 GPM and to serve 405 new customers in the Sam Black Church area. It will consist of approx. 17 miles of waterline, 58 fire hydrants, one 125,000 gallon storage tank. It will also include an interconnection with the Town of Rupert.	Yes	2,167	\$6,000,000	\$10,086,000
4	Salt Rock PSD	Cabell	Miscellaneous Waterline Extension Projects	This project will extend water to 84 new customers in the Upper Tom's Creek, Big Cabell Creek, Lower Heath Creek, Racoon Creek, and the Dale Woodrum/Jack Chapman areas. Project will consist of approx. 8 miles of waterline, 23 fire hydrants and all necessary valves and appurtenances.	Yes	9,062	\$1,988,000	\$2,271,000
5	*River Road PSD	Monongalia	Water System Improvements and Upgrades Project	This proposed project will consist of demolishing the existing Harmony Grove Tank (late 1950's) and replace it with a new 132,000 gallon tank on the same site including a new foundation and new valve vault and reuse the telemetry system from old tank, upgrade the existing booster pump station, install control system to improve the operation of the Hildebrand Tank, replace approximately 4.7 miles (25,000 LF) of waterline with 6-inch and 4-inch water main including any valves, hydrants, service tees, and other necessary appurtenances.	Yes	1,500	\$2,546,000	\$2,546,000
6	Richwood, City of	Nicholas	City of Richwood - Hinkle Mountain/Laurel Creek Water Expansion	This project will extend water service to approx. 152 residents of Hinkle Mountain and Little Laurel Creek. To do this, the Richwood WTP and distribution will need to be repaired and/or refurbished. Project will consist of replacement of settling tubes, flocculators and filter media at the WTP. All storage tanks will be inspected including telemetry. Tanks will be painted and fenced. Installation of approx. 10 miles of waterline, one booster station, and on 100,000 gallon elevated storage tank.	Yes	3,070	\$3,364,500	\$6,464,500
7	Chapmanville Municipal Water Works	Logan	Phase 2 - Distribution Line Improvements	The project will replace 3 miles of deteriorated leaking water mains, install fire hydrants and any necessary valves and appurtenances in an effort to improve the system's high unaccounted for water losses and increase the reliability of providing clean drinking water to customers.	Yes	2,311	\$984,000	\$2,529,000

APPENDIX A-3 COMPREHENSIVE PROJECT PRIORITY LIST 2016A

WEST VIRGINIA 16DWTRFA PROJECT PRIORITY LIST (PPL)/COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST
8	*Preston County PSD #4	Preston	Hudson to StateLine Waterline Extension	This proposed project will construct approximately 62 miles of new waterline (79,735 LF of 2", 8,872 LF of 4", 177,868 LF of 6" and 60,245 LF of 8"), four (4) water storage tanks, three (3) 225 GPM booster stations and 70 fire hydrants.	No	5,110	\$1,934,084	\$19,141,878
9	*City of Weirton	Hancock	Water Systems Improvement Project - Phase II	This proposed project will consist of water treatment plant and line improvements to prevent loss of water service due to main line disruption.	No	22,694	\$4,000,000	\$6,900,000

APPENDIX A-3 COMPREHENSIVE PROJECT PRIORITY LIST 2017A

WEST VIRGINIA 17DWTRFA PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	DWTRF FUNDING REQUESTED	TOTAL COST
1	McDowell County PSD	McDowell	Elkhorn Creek Water Project Phase II	This project will replace the existing water system serving Upland, Powhatan, Kyle, Northfork and Keystone communities and provide a second source for the Maybeury WTP. It will consist of approx. 13 miles of waterline, 42 fire hydrants, an emergency water intake and all necessary water meters, service lines and appurtenances.	Yes	\$500,000	\$6,000,000
2	*Elkins Road PSD	Upshur	Phase 3 - Water System Extension and Improvements	This project will make improvements to the Elkins Road PSD's existing water distribution system and extend potable water to Beech Run, Hawkins Road, Upper Childers Run, Jackson Road/Winery Road, Wolfe Ridge Road, Fortney/Snyder Road, Audra Road/Braddock Lane, Radabaugh Ridge/Handy Camp Road, Kedron Road and Osbornier Run Road.	Yes	\$0	\$6,500,000
3	Cameron, City of	Marshall	Water System Improvements	This project is to replace deteriorated water line within the City of Cameron and to extend water service to 52 new customers along County Route 25 to the Pennsylvania border. The project will consist of approximately 3.3 miles of water line (5,500 LF of 2" 10,300 LF of 6" and 1,700 LF of 8" water line), 16 fire hydrants, painting of the existing 500,000 gallon water storage tank, new radio read system and all necessary valves and appurtenances. The extension would provide the new customers, currently served by private water wells, with not only a safe and reliable source of potable water, but also provide them with fire protection.	Yes	\$404,361	\$1,710,951
4	Salt Rock PSD	Cabell	Miscellaneous Waterline Extension Projects	This project will extend water to 84 new customers in the Upper Tom's Creek, Big Cabell Creek, Lower Heath Creek, Raccoon Creek, and the Dale Woodrum/Jack Chapman areas. Project will consist of approx. 8 miles of waterline, 23 fire hydrants and all necessary valves and appurtenances.	Yes	\$1,988,000	\$2,271,000
5	Town of Hartford	Mason	Water Distribution System Improvements Project	This project proposes to replace the entire Town of Hartford's water distribution system (constructed in 1964) and abandon their existing water treatment plant including their Sliding Hill Creek Storage Tank and California Street groundwater well and begin purchasing water from the Town of New Haven. The project will consist of the replacement of approximately 10 miles (51,400 LF) of 8-inch and smaller diameter waterline, 22 fire hydrants, 59 gate valves, one master meter and vault, 336 new touch read meters and settings.	Yes	\$2,430,000	\$3,430,000
6	*Tomlinson PSD	Hancock	New Water Treatment Plant and Distribution System Upgrades	This project proposes to build a new 640 GPM water treatment plant. The project will include a 250,000 gallon water storage tank, a 100,000 gallon water storage tank, 2 new booster pump stations, approximately 44,000 LF of 8-inch and smaller water line, and miscellaneous fire hydrants, valves and other appurtenances	Yes	\$8,316,000	\$8,316,000

APPENDIX A-3 COMPREHENSIVE PROJECT PRIORITY LIST 2017A

WEST VIRGINIA 17DWT/RA PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	DWTRF FUNDING REQUESTED	TOTAL COST
7	Chapmanville Municipal Water Works	Logan	Phase 2 - Distribution Line Improvements	The project will replace 3 miles of deteriorated leaking water mains, install fire hydrants and any necessary valves and appurtenances in an effort to improve the system's high unaccounted for water losses and increase the reliability of providing clean drinking water to customers.	Yes	\$984,000	\$2,529,000
8	*City of Follansbee	Brooke	Water Treatment Plant and Distribution System Upgrades	This project proposes to make improvements to the Hooverson Heights water treatment plant including the raw water intake. Portions of the distribution system of both the Hooverson Heights and Follansbee systems will be replaced to help reduce the high unaccounted water loss. Four existing tanks need to be cleaned and two others tanks will need to be painted, as well as correct any identified deficiencies in the latest Sanitary Survey.	Yes	\$4,500,000	\$4,500,000
9	Town of New Haven	Mason	Waterline Upgrade and Replacement Project	This project will include the replacement of the entire distribution system and storage tanks and installing an interconnection for the Town of Hartford. The project will consist of a new booster pump station, approximately eleven (11) miles of 2", 6" & 8" water line, demolition of two (2) 150,000 gallon water storage tanks [Downtown Tank (1936) and Haven Heights Tank (1962) which were both painted in 2004], a 500,000 gallon water storage tank, forty-six (46) fire hydrants, twenty-five (25) blow-off assemblies and all necessary service lines, flow meters, telemetry, valves and appurtenances.	Yes	\$5,794,000	\$6,643,000

APPENDIX A-3 COMPREHENSIVE PROJECT PRIORITY LIST 2017B

WEST VIRGINIA 17DWTRFB PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST
1	McDowell County PSD	McDowell	Elkhorn Creek Water Project Phase II	This project will replace the existing water system serving Upland, Powhatan, Kyle, Northfork and Keystone communities and provide a second source for the Maybeury WTP. It will consist of approx. 13 miles of waterline, 42 fire hydrants, an emergency water intake and all necessary water meters, service lines and appurtenances.	Yes	962	\$500,000	\$6,000,000
2	*Boone County PSD (Prenter Water Company)	Boone	Prenter Road Phase II Waterline Extension Project	This project will extend water service to approximately 48 customers in the Prenter Area of Boone County. The project will consist of approximately 7 miles (35,000 LF) of water line, a booster pump station and a small water storage tank.	Yes	60	\$600,000	\$2,150,000
3	*Central Hampshire PSD	Hampshire	Water System Improvements	Green Spring Water Treatment Plant - A partial upgrade which includes a 14'x32' addition to the existing building to house new high service pumping, a Clearwell and future space for an additional filter membrane, a new rest room and sanitary sewer pressure service grinder pump and service line to the existing public gravity collection system, and cellular based telemetry upgrades to add on to existing cellular telemetry system. Springfield Rehabilitation - This portion of the project will include the rehabilitation of the Raven Rock pump house, the rehabilitation of the Route 28 booster station, and the replacement of approximately 12,810 LF of existing waterline within the Springfield area. The existing 3-inch mainline will be replaced with 6-inch mainline to facilitate future southern extensions, which will require 29 reconns. Also, 100 LF of 12-inch line will be installed at a nearby gravel road side pull over area in order to meet virus inactivation. Five (5) fire hydrants and all necessary valves	Yes	1,046	\$1,250,000	\$3,005,000
4	*Elkins Road PSD	Upshur	Phase 3 - Water System Extension and Improvements	This project will make improvements to the Elkins Road PSD's existing water distribution system and extend potable water to Beech Run, Hawkins Road, Upper Childers Run, Jackson Road/Wintery Road, Wolfe Ridge Road, Forney/Snyder Road, Audra Road/Braddock Lane, Radabaugh Ridge/Handy Camp Road, Kedron Road and Osbomer Run Road.	Yes	2,765	\$0	\$6,500,000
5	Cameron, City of	Marshall	Water System Improvements	This project is to replace deteriorated water line within the City of Cameron and to extend water service to 52 new customers along County Route 25 to the Pennsylvania border. The project will consist of approximately 3.3 miles of water line (5,500 LF of 2" 10,300 LF of 6" and 1,700 LF of 8" water line), 16 fire hydrants, painting of the existing 500,000 gallon water storage tank, new radio read system and all necessary valves and appurtenances. The extension would provide the new customers, currently served by private water wells, with not only a safe and reliable source of potable water, but also provide them with fire protection.	Yes	1,164	\$404,361	\$1,710,951
6	*Tomlinson PSD	Hancock	New Water Treatment Plant and Distribution System Upgrades	This project proposes to build a new 640 GPM water treatment plant. The project will include a 250,000 gallon water storage tank, a 100,000 gallon water storage tank, 2 new booster pump stations, approximately 44,000 LF of 8-inch and smaller water line, and miscellaneous fire hydrants, valves and other appurtenances	Yes	2,012	\$8,316,000	\$8,316,000
7	*Salt Rock PSD	Cabell	Waterline Extension Project	This project will extend water service to 106 new customers in the Upper Tom's Creek, Big Cabell Creek, Lower Heath Creek, Raccoon Creek, Cavill Creek and Frontage Road areas of Cabell County. The project will consist of approximately twelve (12) miles of 1" through 8" water line, one hundred and six (106) meter settings, twenty-eight (28) fire hydrants and all necessary valves and appurtenances.	Yes	9,062	\$3,294,840	\$3,660,000

APPENDIX A-3 COMPREHENSIVE PROJECT PRIORITY LIST 2017B

WEST VIRGINIA 17DWTRFB PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST
8	Town of Hartford	Mason	Water Distribution System Improvements Project	This project proposes to replace the entire Town of Hartford's water distribution system (constructed in 1964) and abandon their existing water treatment plant including their Sliding Hill Creek Storage Tank and California Street groundwater well and begin purchasing water from the Town of New Haven. The project will consist of the replacement of approximately 10 miles (\$1,400 LF) of 8-inch and smaller diameter waterline, 22 fire hydrants, 59 gate valves, one master meter and vault, 336 new touch read meters and settings.	Yes	612	\$2,430,000	\$3,430,000
9	Chapmanville Municipal Water Works	Logan	Phase 2 - Distribution Line Improvements	The project will replace 3 miles of deteriorated leaking water mains, install fire hydrants and any necessary valves and appurtenances in an effort to improve the system's high unaccounted for water losses and increase the reliability of providing clean drinking water to customers.	Yes	2,311	\$984,000	\$2,529,000
10	*Town of Oceana	Wyoming	Water System Improvements	This project will replace waterlines along Route 10 and Route 85, replace three (3) storage tanks, and make WTP upgrades that include replacing high service pumps, replacing raw water pumps, install VFDs on backwash pumps, replace filter media, install telemetry, and install an emergency generator.	Yes	2,672	\$5,333,000	\$7,000,000
11	*City of Follansbee	Brooke	Water Treatment Plant and Distribution System Upgrades	This project proposes to make improvements to the Hooverson Heights water treatment plant including the raw water intake. Portions of the distribution system of both the Hooverson Heights and Follansbee systems will be replaced to help reduce the high unaccounted water loss. Four existing tanks need to be cleaned and two others tanks will need to be painted, as well as correct any identified deficiencies in the latest Sanitary Survey.	Yes	4,970	\$4,500,000	\$4,500,000
12	Town of New Haven	Mason	Waterline Upgrade and Replacement Project	This project will include the replacement of the entire distribution system and storage tanks and installing an interconnection for the Town of Hartford. The project will consist of a new booster pump station, approximately eleven (11) miles of 2", 6" & 8" water line, demolition of two (2) 150,000 gallon water storage tanks [Downtown Tank (1936) and Haven Heights Tank (1962) which were both painted in 2004], a 500,000 gallon water storage tank, forty-six (46) fire hydrants, twenty-five (25) blow-off assemblies and all necessary service lines, flow meters, telemetry, valves and appurtenances.	Yes	1,615	\$5,794,000	\$6,643,000
13	*Mineral Wells PSD	Wood	Waterline Upgrade and Replacement Project	This project will install mixing equipment in six (6) water storage tanks, install one (1) electrical service and one (1) site gauge to the Windy Tank, improve access roads at three (3) water tanks, improve fencing at the Wolf Run Tank, install four (4) automatic flush valves, replace 2,850 ft. of 10-inch transmission main, install \$25 ft. of 12 inch standby river crossing, install SCADA at river crossing and Pettyville booster station, install fencing and emergency generators at three (3) booster stations, improve grading/drainage at Limestone booster station, install emergency generator at office complex, replace 2,125 - 5/8 inch, 9 - 1 inch, 2 - 1-1/2 inch, 17 - 2 inch, 2 - 3 inch and 4 - 4 inch water meters with radio read water meters, replace 5,720 ft. of undersized water main with 6 inch water main, install 13 fire hydrants, replace 25 fire hydrants, abandon 4 inch service line to old I-77 rest area and all necessary valves and appurtenances.	Yes	5,674	\$3,311,000	\$3,311,000
14	*City of Sistersville	Tyler	Water System Improvements	This project will include a connection to the Tyler PSD. The distribution system and meters within the City of Sistersville will be replaced.	Yes	1,892	\$4,550,000	\$4,550,000

APPENDIX A-3 COMPREHENSIVE PROJECT PRIORITY LIST 2018A

WEST VIRGINIA 18DWTRFA PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST
1	McDowell County PSD	McDowell	Elkhorn Creek Water Project Phase II	This project will replace the existing water system serving Upland, Powhatan, Kyle, Northfork and Keystone communities and provide a second source for the Mayberry WTP. It will consist of approx. 13 miles of waterline, 42 fire hydrants, an emergency water intake and all necessary water meters, service lines and appurtenances.	Yes	962	\$500,000	\$6,000,000
2	Lashmeet PSD (WVAWC)	Mercer	Water Service to Matoaka	This project will provide a mainline from the Lashmeet PSD system and tie into the Town of Matoaka water system. The Matoaka water plant will be taken offline.	Yes	12,400	\$315,714	\$1,066,000
3	*Boone County PSD (Prenter Water Company)	Boone	Prenter Road Phase II Waterline Extension Project	This project will extend water service to approximately 48 customers in the Prenter Area of Boone County. The project will consist of approximately 7 miles (35,000 LF) of water line, a booster pump station and a small water storage tank.	Yes	60	\$600,000	\$2,150,000
4	City of Roncoverte	Greenbrier	Water system upgrade-Phase I	The project will replace the 250,000-gal West End Tank and the 239,000-gal Briar Hill Tank. 2.3 miles of water main will be replaced to reduce water loss.	Yes	960	\$3,300,000	\$4,000,000
5	*Central Hampshire PSD	Hampshire	Water System Improvements	Green Spring Water Treatment Plant - A partial upgrade which includes a 14'x32' addition to the existing building to house new high service pumping, a clearwell and future space for an additional filter membrane, a new rest room and sanitary sewer pressure service grinder pump and service line to the existing public gravity collection system. Springfield Rehabilitation - This portion of the project will include the rehabilitation of the Raven Rock pump house, the rehabilitation of the Route 28 booster station, and the replacement of approximately 12,810 LF of existing waterline within the Springfield area. Graces Cabin Extension - This portion of the project will include the installation of 4,300 LF of 6-inch mainline across the railroad right of way to provide service to a potential of 10 customers and open up this area for future development.	Yes	1,046	\$1,250,000	\$3,005,000
6	Nettie-Leviary PSD	Nicholas	Raw water line replacement and McCue Road extension	Raw water line replacement and McCue Road extension for 13 new customers	Yes	1413	\$1,800,000	\$2,192,190
7	Camden On Gauley	Webster	Cranberry Ridge & Gauley Mills Extension	This project will extend water service to 84 new customers in the areas of Cranberry Ridge and Gauley Mills. The project will include approximately 3.3 miles (17,500 LF) of 6" and 2" water mains, (1) booster pump station, (4) fire hydrants, and all necessary valves and appurtenances.	Yes	701	\$400,000	\$1,388,000
8	*Tomlinson PSD	Hancock	New Water Treatment Plant and Distribution System Upgrades	This project proposes to build a new 640 GPM water treatment plant. The project will include a 250,000 gallon water storage tank, a 100,000 gallon water storage tank, 2 new booster pump stations, approximately 44,000 LF of 8-inch and smaller water line, and miscellaneous fire hydrants, valves and other appurtenances	Yes	2,012	\$6,542,000	\$6,542,000

APPENDIX A-3 COMPREHENSIVE PROJECT PRIORITY LIST 2018A

WEST VIRGINIA 18DWTRFA PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST
9	Town of Elizabeth	Wirt	Munday Extension	This project extends water service to approximately 100 new customers in the Munday Road, Fish Hatchery Road, Enterprise Road and the Creston areas. The project includes approximately 10 miles (53,000 feet) of 6-inch distribution line, one (1) - 40 GPM booster pump station, 41 gate valves, 37 fire hydrants and other appurtenances.	Yes	2,261	\$3,000,000	\$3,600,000
10	*Town of Oceana	Wyoming	Water System Improvements	This project will replace waterlines along Route 10 and Route 85, replace three (3) storage tanks, and make WTP upgrades that include replacing high service pumps, replacing raw water pumps, install VFD's on backwash pumps, replace filter media, install telemetry, and install an emergency generator.	Yes	2,672	\$5,333,000	\$7,000,000
11	*Salt Rock PSD (WVAWC)	Cabell	Waterline Extension Project	This project will extend water service to 106 new customers in the Upper Tom's Creek, Big Cabell Creek, Lower Heath Creek, Raccoon Creek, Cavill Creek and Frontage Road areas of Cabell County. The project will consist of approximately twelve (12) miles of 1" through 8" water line, one hundred and six (106) meter settings, twenty-eight (28) fire hydrants and all necessary valves and appurtenances.	Yes	84,350	\$3,294,840	\$3,660,000
12	Greenbrier County PSD #2	Greenbrier	Charmco to Rainelle Extension	This project extends water service to approximately 110 new customers from Charmco to Rainelle. The project includes approximately 4.5 miles (23,600 feet) of 2-inch to 8-inch distribution line, one (1) - pressure reducing station, one (1) 50,000-gallon water storage tank, 18 gate valves, 15 fire hydrants, 10 flushing hydrants and other appurtenances.	Yes	1,390	\$2,250,000	\$2,250,000
13	Craigsville PSD	Nicholas	Water Treatment Plant and Distribution System Upgrades	This project will upgrade the existing water treatment plant to 900 gpm and installing a dedicated waterline from the water treatment plant to existing elevated water storage tanks. The project will consist of a new raw water intake screen and hydroburst system, raw water pump station, flocculator, sedimentation basin, filter equipment, backwash solids pump station, chemical feed system, painting four (4) existing water tanks, approximately 4 miles of 10" water line, and all necessary appurtenances.	Yes	1,813	\$2,318,000	\$8,086,000
14	*City of Follansbee	Brooke	Water Treatment Plant and Distribution System Upgrades	This project proposes to make improvements to the Hooverson Heights water treatment plant including the raw water intake. Portions of the distribution system of both the Hooverson Heights and Follansbee systems will be replaced to help reduce the high unaccounted water loss. Four existing tanks need to be cleaned and two others tanks will need to be painted, as well as correct any identified deficiencies in the latest Sanitary Survey.	Yes	4,970	\$4,500,000	\$4,500,000
15	*City of Sistersville	Tyler	Water System Improvements	This project will include a connection to the Tyler PSD. The distribution system and meters within the City of Sistersville will be replaced.	Yes	1,892	\$4,550,000	\$4,550,000

**APPENDIX A-4 BY-PASSED PROJECT LIST 15DWTFRFA
WEST VIRGINIA 15DWTFRFA PROJECT PRIORITY LIST (PPL)/COMPREHENSIVE LIST**

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST	BYPASS RATIONALE
1	Elkins Road PSD	Upshur	Phase 3 - Water System Extension and Improvements	This project will make improvements to the Elkins Road PSD's existing water distribution system and extend potable water to Beech Run, Hawkins Road, Upper Childers Run, Jackson Road/Winery Road, Wolfe Ridge Road, Fortney/Snyder Road, Andra Road/Bradcock Lane, Radabaugh Ridge/Handy Camp Road, Kedron Road and Osbomer Run Road.	Yes	2,765	\$2,450,000	\$6,488,000	Project Withdrew From DWTRF Funding
2	Claywood Park PSD	Wood	Water System Improvements	Consists of misc. water system improvements to enhance hydraulic capacity in 2 separate parts of the system; provide emergency preparedness through addition of power generation and additional storage; replacement of old lines; repainting of 3 tanks and replacement of 2 tanks; small waterline extension to serve 11 new customers; new equipment at 2 booster stations	Yes	15,358	\$2,522,000	\$5,044,000	Funded
3	Cameron, City of	Marshall	Water System Improvements	This project is to replace deteriorated water line within the City of Cameron and to extend water service to 52 new customers along County Route 25 to the Pennsylvania border. The project will consist of approximately 3.3 miles of water line (5,500 LF of 2" 10,300 LF of 6" and 1,700 LF of 8" water line), 16 fire hydrants, painting of the existing 500,000 gallon water storage tank, new radio read system and all necessary valves and appurtenances. The extension would provide the new customers, currently served by private water wells, with not only a safe and reliable source of potable water, but also provide them with fire protection.	Yes	1,164	\$404,361	\$1,710,951	Project Withdrew DWTRF Request For Funding
4	Greenbrier County PSD #2	Greenbrier	Sam Black Church Waterline Extension	This project will upgrade the Greenbrier County PSD #2 WTP to 700 GPM and to serve 405 new customers in the Sam Black Church area. It will consist of appox. 17 miles of waterline, 58 fire hydrants, one 125,000 gallon storage tank. It will also include an interconnection with the Town of Rupert	Yes	2,167	\$6,000,000	\$10,086,000	Funded
5	Salt Rock PSD	Cabell	Miscellaneous Waterline Extension Projects	This project will extend water to 84 new customers in the Upper Tom's Creek, Big Cabell Creek, Lower Heath Creek, Raccoon Creek, and the Dale Woodrum/Jack Chapman areas. Project will consist of approx. 8 miles of waterline, 23 fire hydrants, and all necessary valves and appurtenances	Yes	9,062	\$1,988,000	\$2,271,000	Project not started
6	Richwood, City of	Nicholas	City of Richwood - Hinkle Mountain/Laurel Creek Water Expansion	This project will extend water service to approx. 152 residents of Hinkle Mountain and Little Laurel Creek. To do this, the Richwood WTP and distribution will need to be repaired and/or refurbished. Project will consist of replacement of settling tubes, flocculators and filter media at the WTP. All storage tanks will be inspected including telemetry. Tanks will be painted and fenced. Installation of approx. 10 miles of waterline, one booster station, and on 100,000 gallon elevated storage tank.	Yes	3,070	\$3,364,500	\$6,464,500	Design has started; project not ready for construction
7	Lubeck PSD	Wood	Belleville Waterline Extension Project	This project will extend water service to approximately 207 new customers currently residing in Belleville area of Wood County. The proposed extension will consist of approximately 19.5 miles (103,400 LF) of 6-inch water line along WV68 and County Routes 11, 17, 171, 174, 175, 924, 683, and 684.	Yes	10,973	\$3,923,000	\$3,923,000	Funded In Prior Year

APPENDIX A-4 BY-PASSED PROJECT LIST 15DWTFRFA

WEST VIRGINIA 15DWTFRFA PROJECT PRIORITY LIST (PPL)/COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST	BYPASS RATIONALE
8	Hartford, Town of	Mason	Water Distribution System Improvements Project	This project proposes to replace the entire Town of Hartford's water distribution system (constructed in 1964) and abandon their existing water treatment plant including their Sliding Hill Creek Storage Tank and California Street groundwater well and begin purchasing water from the Town of New Haven. The project will consist of the replacement of approximately 10 miles (51,400 LF) of 8-inch and smaller diameter waterline, 22 fire hydrants, 59 gate valves, one master meter and vault, 336 new touch read meters and settings.	Yes	612	\$2,133,000	\$3,133,000	Funded
9	*Cedar Grove, Town of	Kanawha	Water Treatment Plant Rehabilitation and Water Distribution Improvements Project	The project will consist of the rehabilitation of the existing WTP and water storage tanks site, construct a new 300,000 gallon storage tank and replacement of old and deteriorated distribution system.	Yes	3,120	\$4,000,000	\$8,178,060	Project was withdrawn from HUDC
10	New Haven, Town of	Mason	Waterline Upgrade and Replacement Project	This project will include the replacement of the entire distribution system and storage tanks and installing an interconnection for the Town of Hartford. The project will consist of a new booster pump station, approximately eleven (11) miles of 2', 6" & 8" water line, demolition of two (2) 150,000 gallon water storage tanks [Downtown Tank (1936) and Haven Heights Tank (1962) which were both painted in 2004], a 500,000 gallon water storage tank, forty-six (46) fire hydrants, twenty-five (25) blow-off assemblies and all necessary service lines, flow meters, telemetry, valves and appurtenances.	Yes	1615	\$5,794,000	\$6,294,000	Funded From 17 PPL
11	*Mason, Town of	Mason	Water Distribution System Improvements Project	Replace old, undersized water lines throughout the Town's service boundaries, rehabilitate the water storage tank, and make improvements to pumping facilities.	Yes	1,956	\$2,488,500	\$2,488,500	Funded In Prior Year
12	Chapmanville Municipal Water Works	Logan	Phase 2 - Distribution Line Improvements	The project will replace 3 miles of deteriorated leaking water mains, install fire hydrants and any necessary valves and appurtenances in an effort to improve the system's high unaccounted for water losses and increase the reliability of providing clean drinking water to customers.	Yes	2,311	\$984,000	\$2,529,000	Funded From 16 PPL

APPENDIX A-4 BY-PASSED PROJECT LIST 16DWTFRFA									
WEST VIRGINIA 16DWTFRFA PROJECT PRIORITY LIST (PPL)/COMPREHENSIVE LIST									
RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST	BYPASS RATIONALE
1	Elkins Road PSD	Upshur	Phase 3 - Water System Extension and Improvements	This project will make improvements to the Elkins Road PSD's existing water distribution system and extend potable water to Beech Run, Hawkins Road, Upper Childers Run, Jackson Road/Winery Road, Wolfe Ridge Road, Forney/Snyder Road, Audra Road/Braddock Lane, Radabaugh Ridge/Handy Camp Road, Kedron Road and Osborn Run Road.	Yes	2,765	\$2,450,000	\$6,488,000	Project Withdrew Request For DWTRF Funding
2	Cameron, City of	Marshall	Water System Improvements	This project is to replace deteriorated water line within the City of Cameron and to extend water service to 52 new customers along County Route 25 to the Pennsylvania border. The project will consist of approximately 3.3 miles of water line (5,500 LF of 2" 10,500 LF of 6" and 1,700 LF of 8" water line), 16 fire hydrants, painting of the existing 500,000 gallon water storage tank, new radio read system and all necessary valves and appurtenances. The extension would provide the new customers, currently served by private water wells, with not only a safe and reliable source of potable water, but also provide them with fire protection.	Yes	1,164	\$404,361	\$1,710,951	Project Withdrew Request For DWTRF Funding
3	Greenbrier County PSD #2	Greenbrier	Sam Black Church Waterline Extension	This project will upgrade the Greenbrier County PSD #2 WTP to 700 GPM and to serve 405 new customers in the Sam Black Church area. It will consist of approx. 17 miles of waterline, 58 fire hydrants, one 125,000 gallon storage tank. It will also include an interconnection with the Town of Rupert.	Yes	2,167	\$6,000,000	\$10,086,000	Funded
4	Salt Rock PSD	Cabell	Miscellaneous Waterline Extension Projects	This project will extend water to 84 new customers in the Upper Tom's Creek, Big Cabell Creek, Lower Heath Creek, Raccoon Creek, and the Dale Woodrum/Jack Chapman areas. Project will consist of approx. 8 miles of waterline, 23 fire hydrants and all necessary valves and appurtenances.	Yes	9,062	\$1,988,000	\$2,271,000	Project Is In Design Phase
5	*River Road PSD	Monongalia	Water System Improvements and Upgrades Project	This proposed project will consist of demolishing the existing Harmony Grove Tank (late 1950's) and replace it with a new 132,000 gallon tank on the same site including a new foundation and new valve vault and reuse the telemetry system from old tank, upgrade the existing booster pump station, install control system to improve the operation of the Hildebrand Tank, replace approximately 4.7 miles (25,000 LF) of waterline with 6-inch and 4-inch water main including any valves, hydrants, service tie-ins, and other necessary appurtenances.	Yes	1,500	\$2,546,000	\$2,546,000	Funded in Prior Year

**APPENDIX A-4 BY-PASSED PROJECT LIST 16DWTRFA
WEST VIRGINIA 16DWTRFA PROJECT PRIORITY LIST (PPL)/COMPREHENSIVE LIST**

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST	BYPASS RATIONALE
6	Richwood, City of	Nicholas	City of Richwood - Hinkle Mountain/Laurel Creek Water Expansion	This project will extend water service to approx. 152 residents of Hinkle Mountain and Little Laurel Creek. To do this, the Richwood WTP and distribution will need to be repaired and/or refurbished. Project will consist of replacement of settling tubes, flocculators and filter media at the WTP. All storage tanks will be inspected including telemetry. Tanks will be painted and fenced. Installation of approx. 10 miles of waterline, one booster station, and on 100,000 gallon elevated storage tank.	Yes	3,070	\$3,364,500	\$6,464,500	Design has started; project not ready for construction
7	Chapmanville Municipal Water Works	Logan	Phase 2 - Distribution Line Improvements	The project will replace 3 miles of deteriorated leaking water mains, install fire hydrants and any necessary valves and appurtenances in an effort to improve the system's high unaccounted for water losses and increase the reliability of providing clean drinking water to customers.	Yes	2,311	\$984,000	\$2,529,000	Funded
8	*Preston County PSD #4	Preston	Hudson to StateLine Waterline Extension	This proposed project will construct approximately 6.2 miles of new waterline (79,735 LF of 2", 8,872 LF of 4", 177,868 LF of 6" and 60,245 LF of 8"), four (4) water storage tanks, three (3) 225 GPM booster stations and 70 fire hydrants.	No	5,110	\$1,934,084	\$19,141,878	Funded in Prior Year
9	*City of Weirton	Hancock	Water Systems Improvement Project - Phase II	This proposed project will consist of water treatment plant and line improvements to prevent loss of water service due to main line disruption.	No	22,694	\$4,000,000	\$6,900,000	Funded in Prior Year

APPENDIX A-4 BY-PASSED PROJECT LIST 2017A

WEST VIRGINIA 17DWTRFA PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST	BYPASS RATIONALE
1	McDowell County PSD	McDowell	Elkhorn Creek Water Project Phase II	This project will replace the existing water system serving Upland, Powhatan, Kyle, Northfork and Keystone communities and provide a second source for the Maybary WTP. It will consist of approx. 13 miles of waterline, 42 fire hydrants, an emergency water intake and all necessary water meters, service lines and appurtenances.	Yes	962	\$500,000	\$6,000,000	Project is dependent upon receiving SCBG. Will fund if SCBG is awarded.
2	*Elkins Road PSD	Upshur	Phase 3 - Water System Extension and Improvements	This project will make improvements to the Elkins Road PSD's existing water distribution system and extend potable water to Beech Run, Hawkins Road, Upper Childers Run, Jackson Road/Wintery Road, Wolfe Ridge Road, Fortney/Snyder Road, Aldra Road/Braddock Lane, Radabaugh Ridge/Handy Camp Road, Keflon Road and Osborner Run Road.	Yes	2,765	\$0	\$6,500,000	Project Withdrawn Request For DWTRF Funding
3	Cameron, City of	Marshall	Water System Improvements	This project is to replace deteriorated water line within the City of Cameron and to extend water service to 52 new customers along County Route 25 to the Pennsylvania border. The project will consist of approximately 3.3 miles of water line (5,500 LF of 2" 10,300 LF of 6" and 1,700 LF of 8" water line), 16 fire hydrants, painting of the existing 500,000 gallon water storage tank, new radio read system and all necessary valves and appurtenances. The extension would provide the new customers, currently served by private water wells, with not only a safe and reliable source of potable water, but also provide them with fire protection.	Yes	1,164	\$404,361	\$1,710,951	Project Withdrawn Request For DWTRF Funding
4	Salt Rock PSD	Cabell	Miscellaneous Waterline Extension Projects	This project will extend water to 84 new customers in the Upper Tom's Creek, Big Cabell Creek, Lower Heath Creek, Raccoon Creek, and the Dale Woodrum/Jack Chapman areas. Project will consist of approx. 8 miles of waterline, 23 fire hydrants and all necessary valves and appurtenances.	Yes	9,062	\$1,988,000	\$2,271,000	Project design has not started and is not ready for construction.
5	Town of Hartford	Mason	Water Distribution System Improvements Project	This project proposes to replace the entire Town of Hartford's water distribution system (constructed in 1964) and abandon their existing water treatment plant including their Sliding Hill Creek Storage Tank and California Street groundwater well and begin purchasing water from the Town of New Haven. The project will consist of the replacement of approximately 10 miles (51,400 LF) of 8-inch and smaller diameter waterline, 22 fire hydrants, 59 gate valves, one master meter and vault, 336 new touch read meters and settings.	Yes	612	\$2,430,000	\$3,430,000	Funded From 15 PPL
6	*Tomlinson PSD	Hancock	New Water Treatment Plant and Distribution System Upgrades	This project proposes to build a new 640 GPM water treatment plant. The project will include a 250,000 gallon water storage tank, a 100,000 gallon water storage tank, 2 new booster pump stations, approximately 44,000 LF of 8 inch and smaller water line, and miscellaneous fire hydrants, valves and other appurtenances	Yes	2,012	\$8,316,000	\$8,316,000	Funded A Design Loan From 18 PPL
7	Chapmanville Municipal Water Works	Logan	Phase 2 - Distribution Line Improvements	The project will replace 3 miles of deteriorated leaking water mains, install fire hydrants and any necessary valves and appurtenances in an effort to improve the system's high unaccounted for water losses and increase the reliability of providing clean drinking water to customers.	Yes	2,311	\$984,000	\$2,529,000	Funded From 16 PPL

APPENDIX A-4 BY-PASSED PROJECT LIST 2017A

WEST VIRGINIA 17DWTRFA PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST	BYPASS RATIONALE
8	*City of Follansbee	Brooke	Water Treatment Plant and Distribution System Upgrades	This project proposes to make improvements to the Hooverson Heights water treatment plant including the raw water intake. Portions of the distribution system of both the Hooverson Heights and Follansbee systems will be replaced to help reduce the high unaccounted water loss. Four existing tanks need to be cleaned and two others tanks will need to be painted, as well as correct any identified deficiencies in the latest Sanitary Survey.	Yes	4,970	\$4,500,000	\$4,500,000	Project design has not started and is not ready for construction.
9	Town of New Haven	Mason	Waterline Upgrade and Replacement Project	This project will include the replacement of the entire distribution system and storage tanks and installing an interconnection for the Town of Hartford. The project will consist of a new booster pump station, approximately eleven (11) miles of 2", 6" & 8" water line, demolition of two (2) 150,000 gallon water storage tanks [Downtown Tank (1936) and Haven Heights Tank (1962) which were both painted in 2004], a 500,000 gallon water storage tank, forty-six (46) fire hydrants, twenty-five (25) blow-off assemblies and all necessary service lines, flow meters, telemetry, valves and appurtenances.	Yes	1,615	\$5,794,000	\$6,643,000	Funded

APPENDIX A-4 BY-PASSED PROJECT LIST 17DWTRFB

WEST VIRGINIA 17DWTRFB PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST	BYPASS RATIONALE
1	McDowell County PSD	McDowell	Elkhorn Creek Water Project Phase II	This project will replace the existing water system serving Upland, Powhatan, Kyle, Northfork and Keystone communities and provide a second source for the Mayberry WTP. It will consist of approx. 13 miles of waterline, 42 fire hydrants, an emergency water intake and all necessary water meters, service lines and appurtenances.	Yes	962	\$500,000	\$6,000,000	Project is dependent upon receiving SCBG. Will fund if SCBG is awarded.
2	*Boone County PSD (Prenter Water Company)	Boone	Prenter Road Phase II Waterline Extension Project	This project will extend water service to approximately 48 customers in the Prenter Area of Boone County. The project will consist of approximately 7 miles (35,000 LF) of water line, a booster pump station and a small water storage tank.	Yes	60	\$600,000	\$2,150,000	Project design has not started and is not ready for construction.
3	*Central Hampshire PSD	Hampshire	Water System Improvements	Green Spring Water Treatment Plant - A partial upgrade which includes a 14'x32' addition to the existing building to house new high service pumping, a clearwell and future space for an additional filter membrane, a new rest room and sanitary sewer pressure service grinder pump and service line to the existing public gravity collection system, and cellular based telemetry upgrades to add on to existing cellular telemetry system. Springfield Rehabilitation - This portion of the project will include the rehabilitation of the Raven Rock pump house, the rehabilitation of the Route 28 booster station, and the replacement of approximately 12,810 LF of existing waterline within the Springfield area. The existing 3-inch mainline will be replaced with 6-inch mainline to facilitate future southern extensions, which will require 29 reconnects. Also, 100 LF of 12-inch line will be installed at a nearby gravel road side pull over area in order to meet virus inactivation. Five (5) fire hydrants and all necessary valves	Yes	1,046	\$1,250,000	\$3,005,000	Project design has not started and is not ready for construction.
4	*Elkins Road PSD	Upshur	Phase 3 - Water System Extension and Improvements	This project will make improvements to the Elkins Road PSD's existing water distribution system and extend potable water to Beech Run, Hawkins Road, Upper Childers Run, Jackson Road/Winery Road, Wolfe Ridge Road, Forney/Snyder Road, Audra Road/Bradlock Lane, Raddabaugh Ridge/Camp Road, Ketrion Road and Osburner Run Road.	Yes	2,765	\$0	\$6,500,000	Project Withdrew Request For DWTRF Funding
5	Cameron, City of	Marshall	Water System Improvements	This project is to replace deteriorated water line within the City of Cameron and to extend water service to 52 new customers along County Route 25 to the Pennsylvania border. The project will consist of approximately 3.3 miles of water line (5,500 LF of 2" 10,300 LF of 6" and 1,700 LF of 8" water line), 16 fire hydrants, painting of the existing 500,000 gallon water storage tank, new radio read system and all necessary valves and appurtenances. The extension would provide the new customers, currently served by private water wells, with not only a safe and reliable source of potable water, but also provide them with fire protection.	Yes	1,164	\$404,361	\$1,710,951	Project Withdrew Request For DWTRF Funding
6	*Tomlinson PSD	Hancock	New Water Treatment Plant and Distribution System Upgrades	This project proposes to build a new 640 GPM water treatment plant. The project will include a 250,000 gallon water storage tank, a 100,000 gallon water storage tank, 2 new booster pump stations, approximately 44,000 LF of 8-inch and smaller water line, and miscellaneous fire hydrants, valves and other appurtenances	Yes	2,012	\$8,316,000	\$8,316,000	Funded A Design Loan From 18 PPL
7	*Salt Rock PSD	Cabell	Waterline Extension Project	This project will extend water service to 106 new customers in the Upper Tomi's Creek, Big Cabell Creek, Lower Heath Creek, Raccoon Creek, Cavill Creek and Frontage Road areas of Cabell County. The project will consist of approximately twelve (12) miles of 1" through 8" water line, one hundred and six (106) meter settings, twenty-eight (28) fire hydrants and all necessary valves and appurtenances.	Yes	9,062	\$3,294,840	\$3,660,000	Project design has not started and is not ready for construction.

**APPENDIX A-4 BY-PASSED PROJECT LIST 17DWTFRFB
WEST VIRGINIA 17DWTFRFB PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST**

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST	BYPASS RATIONALE
8	Town of Hartford	Mason	Water Distribution System Improvements Project	This project proposes to replace the entire Town of Hartford's water distribution system (constructed in 1964) and abandon their existing water treatment plant including their Sliding Hill Creek Storage Tank and California Street groundwater well and begin purchasing water from the Town of New Haven. The project will consist of the replacement of approximately 10 miles (51,400 LF) of 8-inch and smaller diameter waterline, 22 fire hydrants, 59 gate valves, one master meter and vault, 336 new touch read meters and settings.	Yes	612	\$2,430,000	\$3,430,000	Funded Project From 15 PPL
9	Chapmanville Municipal Water Works	Logan	Phase 2 - Distribution Line Improvements	The project will replace 3 miles of deteriorated leaking water mains, install fire hydrants and any necessary valves and appurtenances in an effort to improve the system's high unaccounted for water losses and increase the reliability of providing clean drinking water to customers.	Yes	2,311	\$984,000	\$2,529,000	Funded Project From 16 PPL
10	*Town of Oceana	Wyoming	Water System Improvements	This project will replace waterlines along Route 10 and Route 85, replace three (3) storage tanks, and make WTP upgrades that include replacing high service pumps, replacing raw water pumps, install VFD's on backwash pumps, replace filter media, install telemetry, and install an emergency generator.	Yes	2,672	\$5,333,000	\$7,000,000	Funded Design Loan
11	*City of Follansbee	Brooke	Water Treatment Plant and Distribution System Upgrades	This project proposes to make improvements to the Hooverson Heights water treatment plant including the raw water intake. Portions of the distribution system of both the Hooverson Heights and Follansbee systems will be replaced to help reduce the high unaccounted water loss. Four existing tanks need to be cleaned and two others tanks will need to be painted, as well as correct any identified deficiencies in the latest Sanitary Survey.	Yes	4,970	\$4,500,000	\$4,500,000	Project design has not started and is not ready for construction.
12	Town of New Haven	Mason	Waterline Upgrade and Replacement Project	This project will include the replacement of the entire distribution system and storage tanks and installing an interconnection for the Town of Hartford. The project will consist of a new booster pump station, approximately eleven (11) miles of 2", 6" & 8" water line, demolition of two (2) 150,000 gallon water storage tanks (Downtown Tank (1956) and Haven Heights Tank (1962) which were both painted in 2004), a 500,000 gallon water storage tank, forty-six (46) fire hydrants, twenty-five (25) blow-off assemblies and all necessary service lines, flow meters, telemetry, valves and appurtenances.	Yes	1,615	\$5,794,000	\$6,643,000	Funded Project From 17A PPL
13	*Mineral Wells PSD	Wood	Waterline Upgrade and Replacement Project	This project will install mixing equipment in six (6) water storage tanks, install one (1) electrical service and one (1) site gauge to the Windy Tank, improve access roads at three (3) water tanks, improve fencing at the Wolf Run Tank, install four (4) automatic flush valves, replace 2,850 ft. of 10-inch transmission main, install 525 ft. of 12 inch standby river crossing, install SCADA at river crossing and Pettyville booster station, install fencing and emergency generators at three (3) booster stations, improve grading/drainage at Limestone booster station, install emergency generator at office complex, replace 2,125 - 5/8 inch, 9 - 1 inch, 2 - 1-1/2 inch, 17 - 2 inch, 2 - 3 inch and 4 - 4 inch water meters with radio read water meters, replace 5,720 ft. of undersized water main with 6 inch water main, install 13 fire hydrants, replace 25 fire hydrants, abandon 4 inch service line to old I-77 rest area and all necessary valves and appurtenances.	Yes	5,674	\$3,311,000	\$3,311,000	Project Withdrew Request For DWTRF Funding
14	*City of Sistersville	Tyler	Water System Improvements	This project will include a connection to the Tyler PSD. The distribution system and meters within the City of Sistersville will be replaced.	Yes	1,892	\$4,550,000	\$4,550,000	Project design has not started and is not ready for construction.

APPENDIX A-4 BY-PASSED PROJECT LIST 2018A

WEST VIRGINIA 18DWTREFA PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST	BYPASS RATIONALE
1	McDowell County PSD	McDowell	Elkhorn Creek Water Project Phase II	This project will replace the existing water system serving Upland, Powhatan, Kyle, Northfork and Keystone communities and provide a second source for the Klappary WTP. It will consist of approx. 13 miles of waterline, 42 fire hydrants, an emergency water intake and all necessary water meters, service lines and appurtenances.	Yes	962	\$500,000	\$6,000,000	Project is waiting on USDA funding commitment. Project will be funded.
2	Lashmeet PSD (WVAWC)	Mercer	Water Service to Matoaka	This project will provide a mainline from the Lashmeet PSD system and tie into the Town of Matoaka water system. The Matoaka water plant will be taken offline.	Yes	12,400	\$315,714	\$1,066,000	Project will be funded
3	*Boone County PSD (Prenter Water Company)	Boone	Prenter Road Phase II Waterline Extension Project	This project will extend water service to approximately 48 customers in the Prenter Area of Boone County. The project will consist of approximately 7 miles (55,000 LF) of water line, a booster pump station and a small water storage tank.	Yes	60	\$600,000	\$2,150,000	Project will be funded
4	City of Ronceverte	Greenbrier	Water system upgrade-Phase I	The project will replace the 250,000-gal West End Tank and the 239,000-gal Brice Hill Tank. 2.3 miles of water main will be replaced to reduce water loss.	Yes	960	\$3,300,000	\$4,000,000	Project design has not started and is not ready for construction.
5	*Central Hampshire PSD	Hampshire	Water System Improvements	Green Spring Water Treatment Plant - A partial upgrade which includes a 14'x32' addition to the existing building to house new high service pumping, a clearwell and future space for an additional filter membrane, a new rest room and sanitary sewer pressure service grinder pump and service line to the existing public gravity collection system. Springfield Rehabilitation - This portion of the project will include the rehabilitation of the Raven Rock pump house, the rehabilitation of the Route 28 booster station, and the replacement of approximately 12,810 LF of existing waterline within the Springfield area. Grasses Cabin Extension - This portion of the project will include the installation of 4,300 LF of 6-inch mainline across the railroad right of way to provide service to a potential of 10 customers and open up this area for future development.	Yes	1,046	\$1,250,000	\$3,005,000	Project will be funded
6	Nettie-Levassy PSD	Nicholas	Raw water line replacement and McCue Road extension	Raw water line replacement and McCue Road extension for 13 new customers	Yes	1413	\$1,800,000	\$2,192,190	Project design has not started and is not ready for construction.
7	Camden On Gauley	Webster	Cranberry Ridge & Gauley Mills Extension	This project will extend water service to 84 new customers in the areas of Cranberry Ridge and Gauley Mills. The project will include approximately 3.3 miles (17,500 LF) of 6" and 2" water mains. (1) booster pump station. (4) fire hydrants, and all necessary valves and appurtenances.	Yes	701	\$400,000	\$1,388,000	Project design has not started and is not ready for construction.
8	*Tomlinson PSD	Hancock	New Water Treatment Plant and Distribution System Upgrades	This project proposes to build a new 640 GPM water treatment plant. The project will include a 250,000 gallon water storage tank, a 100,000 gallon water storage tank, 2 new booster pump stations, approximately 44,000 LF of 6-inch and smaller water line, and miscellaneous fire hydrants, valves and other appurtenances	Yes	2,012	\$6,542,000	\$6,542,000	Funded A Design Loan

APPENDIX A-4 BY-PASSED PROJECT LIST 2018A

WEST VIRGINIA 18DWTREFA PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	DISADVANTAGED	NEW POPULATION	DWTRF FUNDING REQUESTED	TOTAL COST	BYPASS RATIONALE
9	Town of Elizabeth	Wirt	Munday Extension	This project extends water service to approximately 100 new customers in the Munday Road, Fish Hatchery Road, Enterprise Road and the Creson areas. The project includes approximately 10 miles (53,000 feet) of 6-inch distribution line, one (1) - 40 GPM booster pump station, 41 gate valves, 37 fire hydrants and other appurtenances.	Yes	2,261	\$3,000,000	\$3,600,000	Project design has not started and is not ready for construction.
10	*Town of Oceana	Wyoming	Water System Improvements	This project will replace waterlines along Route 10 and Route 85, replace three (3) storage tanks, and make WTP upgrades that include replacing high service pumps, replacing raw water pumps, install VFDs on backwash pumps, replace filter media, install telemetry, and install an emergency generator.	Yes	2,672	\$5,333,000	\$7,000,000	Design Loan From 17B PPL. Project will be funded
11	*Salt Rock PSD (WVAWC)	Cabell	Waterline Extension Project	This project will extend water service to 106 new customers in the Upper Tom's Creek, Big Cabell Creek, Lower Heath Creek, Raccoon Creek, Cayill Creek and Frontage Road areas of Cabell County. The project will consist of approximately twelve (12) miles of 1" through 8" water line, one hundred and six (106) meter settings, twenty-eight (28) fire hydrants and all necessary valves and appurtenances.	Yes	84,350	\$3,294,840	\$3,660,000	Project will be funded
12	Greenbrier County PSD #/2	Greenbrier	Charmco to Rainelle Extension	This project extends water service to approximately 110 new customers from Charmco to Rainelle. The project includes approximately 4.5 miles (23,600 feet) of 2-inch to 8-inch distribution line, one (1) - pressure reducing station, one (1) 50,000-gallon water storage tank, 18 gate valves, 15 fire hydrants, 10 flushing hydrants and other appurtenances.	Yes	1,390	\$2,250,000	\$2,250,000	Project design has not started and is not ready for construction.
13	Craigsville PSD	Nicholas	Water Treatment Plant and Distribution System Upgrades	This project will upgrade the existing water treatment plant to 900 gpm and installing a dedicated waterline from the water treatment plant to existing elevated water storage tanks. The project will consist of a new raw water intake screen and hydroburst system, raw water pump station, flocculator, sedimentation basin, filter equipment, backwash solids pump station, chemical feed system, painting four (4) existing water tanks, approximately 4 miles of 10" water line, and all necessary appurtenances.	Yes	1,813	\$2,318,000	\$8,086,000	Project design has not started and is not ready for construction.
14	*City of Follansbee	Brooke	Water Treatment Plant and Distribution System Upgrades	This project proposes to make improvements to the Hooverson Heights water treatment plant including the raw water intake. Portions of the distribution system of both the Hooverson Heights and Follansbee systems will be replaced to help reduce the high unaccounted water loss. Four existing tanks need to be cleaned and two others tanks will need to be painted, as well as correct any identified deficiencies in the latest Sanitary Survey.	Yes	4,970	\$4,500,000	\$4,500,000	Project design has not started and is not ready for construction.
15	*City of Sistersville	Tyler	Water System Improvements	This project will include a connection to the Tyler PSD. The distribution system and meters within the City of Sistersville will be replaced.	Yes	1,892	\$4,550,000	\$4,550,000	Project design has not started and is not ready for construction.

Appendix A-5 Cumulative Green Project Reserve

State Fiscal Year	Capitalization Grant Requirement				Green Project Reserve Approved			
	Annual Awarded Federal Capitalization Amount	Green Project Reserve Amount Required	Cumulative Green Project Reserve Amount Required	Annual Green Project Reserve Approved	Annual Amount of Green Project Reserve Over Complied	Cumulative Amount of Green Project Reserve Approved	Cumulative Amount of Green Project Reserve Over Complied	
1999	\$ 12,558,800	\$0	\$0	\$0	\$0	\$0	\$0	
2000	\$ 14,585,100	\$0	\$0	\$0	\$0	\$0	\$0	
2001		\$0	\$0	\$0	\$0	\$0	\$0	
2002	\$7,757,000	\$0	\$0	\$0	\$0	\$0	\$0	
2003	\$7,789,100	\$0	\$0	\$0	\$0	\$0	\$0	
2004	\$8,052,500	\$0	\$0	\$0	\$0	\$0	\$0	
2005	\$8,004,100	\$0	\$0	\$0	\$0	\$0	\$0	
2006	\$8,303,100	\$0	\$0	\$0	\$0	\$0	\$0	
2007	\$8,285,500	\$0	\$0	\$0	\$0	\$0	\$0	
2008	\$8,229,300	\$0	\$0	\$0	\$0	\$0	\$0	
2009	\$8,229,000	\$0	\$0	\$0	\$0	\$0	\$0	
2009	\$15,600,000	\$3,900,000	\$3,900,000	\$6,318,910	\$2,418,910	\$6,318,910	\$2,418,910	
2010	\$3,900,000	\$0	\$3,900,000	\$0	\$0	\$6,318,910	\$2,418,910	
2010	\$8,146,000	\$0	\$3,900,000	\$0	\$0	\$6,318,910	\$2,418,910	
2011	\$21,719,000	\$2,714,600	\$6,614,600	\$6,846,000	\$4,131,400	\$13,164,910	\$6,550,310	
2012	\$9,418,000	\$1,883,600	\$8,498,200	\$3,885,728	\$2,002,128	\$17,050,638	\$8,552,438	
2013	\$9,006,282	\$0	\$8,498,200	\$0	\$0	\$17,050,638	\$8,552,438	
2014	\$8,421,000	\$0	\$8,498,200	\$0	\$0	\$17,050,638	\$8,552,438	
2015	\$8,913,000	\$0	\$8,498,200	\$0	\$0	\$17,050,638	\$8,552,438	
2016	\$17,099,000	\$0	\$8,498,200	\$0	\$0	\$17,050,638	\$8,552,438	
2017	\$0	\$0	\$8,498,200	\$0	\$0	\$17,050,638	\$8,552,438	
2018	\$8,241,000	\$0	\$8,498,200	\$0	\$0	\$17,050,638	\$8,552,438	

APPENDIX B

Accounting and Management Reports

Appendix B-1: Income Statement Summary

Appendix B-2: Balance Sheet Summary

Appendix B-3: Trial Balance

Appendix B-4: FCTR to FSR Cash Transaction Report

Appendix B-5: Set Aside Expenditure Recap

Appendix B-6: Reconciliation of BPH Draws with EPA Report

Appendix B-7: Federal Financial Reports for Open/Closed Grants

APPENDIX B-1 Income Statement Summary

Income Statement Summary '2018	
	2018
Grant Revenue	3,517,487
Other	
Total Sales	3,517,487
Operating Expenses	
Salaries and wages	1,652,122
Fringes	577,891
General and Administrative	925,173
Contractual and Professional	11,019
Capital Outlay	44,128
Subrecipient Disbursements	275,622
Other Expenses	300,442
Travel/Training	21,585
Total Operating Expenses	3,807,983
Operating Deficit/Revenue	(290,496)
Interest income (expense)	
Other income (expense)	
Total Nonoperating Income (Expense)	0
Deficiency of revenue under/over expenses	(290,496)
Fund Balance Beginning of Year	1,459,313
Fund Balance, End of Year	1,168,818

APPENDIX B-2 Balance Sheet Summary

Balance Sheet Summary '2018	
	2018
ASSETS	
Current Assets	
Cash	1,168,818
Marketable securities	
Accounts receivable, net	
Inventory	
Prepaid expenses	
Other	
Total Current Assets	1,168,818
Long-Term Assets	
Property, plant, and equipment	
Less accumulated depreciation	
Net property, plant, and equipment	0
Other long-term assets	
Total Long-Term Assets	0
Total Assets	1,168,818
LIABILITIES AND SHAREHOLDERS' EQUITY	
Current Liabilities	
Total Current Liabilities	0
Long-Term Liabilities	
Long-term debt less current maturities	
Deferred income taxes	
Other long-term liabilities	
Total Long-Term Liabilities	0
Fund Balance	
Fund Balance	1,168,818
Additional paid in equity	
Retained earnings	
Other	
Total Balance	1,168,818
Total Liabilities and Fund Balance	1,168,818

APPENDIX B-3 Trial Balance

SAFE DRINKING WATER TREATMENT REVOLVING FUND
 Trial Balance
 EXPENDITURES
 As of June 30, 2018

	Cumulative thru 6/30/17	3044	3045	3046	3047	3048	3780	3781	Totals	Cumulative thru 6/30/18
004- Salaries & Wages	\$ 232,385.81								\$ -	\$ 232,385.81
005- Salaries & Wages	\$ 425,386.35								\$ -	\$ 425,386.35
006- Salaries & Wages	\$ 73,045.78								\$ -	\$ 73,045.78
007- Salaries & Wages	\$ 5,250.54								\$ -	\$ 5,250.54
009- Salaries & Wages	\$ 2,210.86								\$ -	\$ 2,210.86
1200- Salaries & Wages	\$ 20,030,691.75	\$ 323,612.34	\$ 991,819.71	\$ 165,923.53			\$ 76,901.67	\$ 33,815.00	\$ 1,592,072.25	\$ 21,622,764.00
1206- Salaries & Wages	\$ 255,779.23	20,225.15	15,453.65						\$ 35,678.80	\$ 291,458.03
2200- Fringes	\$ 73,950.93	8,460.00	13,151.84	\$ 2,759.40					\$ 24,371.24	\$ 98,322.17
2201- Fringes	\$ 115,087.55	663.60	1,075.00	\$ 150.00			\$ 100.00	\$ 200.60	\$ 2,189.20	\$ 117,286.75
2202- Fringes	\$ 28,419.00	2,205.00	5,895.00	\$ 540.00			\$ 360.00	\$ 180.00	\$ 9,180.00	\$ 37,599.00
2203- Fringes	\$ 1,504,745.25	24,498.50	73,501.91	\$ 12,209.27			\$ 7,847.05	\$ 5,927.81	\$ 123,984.54	\$ 1,628,729.79
2205- Fringes	\$ 2,319,331.81	47,946.26	116,261.74	\$ 15,889.14			\$ 12,162.50	\$ 3,595.14	\$ 195,854.78	\$ 2,515,186.59
2206- Fringes	\$ 557,746.17								\$ -	\$ 557,746.17
2207- Fringes	\$ 10,330.76		\$ 5,616.00						\$ 5,616.00	\$ 15,946.76
2208- Fringes	\$ 2,383,369.26	36,059.80	110,110.81	\$ 17,144.15			\$ 10,574.21	\$ 3,774.16	\$ 177,663.13	\$ 2,571,032.39
3200- General & Administrative	\$ 394,606.06	14,763.60	35,313.42	\$ 6,945.54			\$ 4,862.93	\$ 1,518.09	\$ 63,403.58	\$ 458,009.64
3201- General & Administrative	\$ 531,326.63	2,105.44	24,984.82	\$ 44.15					\$ 27,134.41	\$ 558,461.04
3202- General & Administrative	\$ 112,527.91	43.00	1,043.88						\$ 1,086.88	\$ 113,614.79
3204/3205- General & Administrative	\$ 2,504,015.80	38,843.48	168,587.74	\$ 4,654.62					\$ 212,085.84	\$ 2,716,101.64
3217- General & Administrative	\$ 238,634.29	635.53	6,259.90	\$ 97.50					\$ 6,992.93	\$ 245,627.22
3224- General & Administrative	\$ 400,071.07	3,988.16	7,476.21						\$ 11,464.37	\$ 411,535.44
3229- General & Administrative	\$ 88,802.89			\$ 15.00					\$ 15.00	\$ 88,817.89
3233- General & Administrative	\$ 122,330.12								\$ -	\$ 122,330.12
3235- General & Administrative	\$ 27,063.25								\$ -	\$ 27,063.25
3244/3245- General & Administrative	\$ 134,913.53	10,510.37	240.00	\$ 1,000.00					\$ 1,240.00	\$ 136,153.93
3283- General & Administrative	\$ 103,236.89	2,317.55	879.69	\$ 329.38					\$ 18,124.40	\$ 121,386.31
246- General & Administrative	\$ 4,534,565.53	175,110.46	306,192.37	\$ 85,817.38			\$ 46,097.25	\$ 21,570.19	\$ 634,787.65	\$ 5,169,353.18
247- General & Administrative	\$ 53,508.56								\$ -	\$ 53,508.56
248- General & Administrative	\$ 6,456.87								\$ -	\$ 6,456.87
3232- General & Administrative	\$ 2,073.01								\$ -	\$ 2,073.01
3233- General & Administrative	\$ 71,227.25	1,904.62	6,148.52	\$ 607.66			\$ 53.69		\$ 8,714.49	\$ 79,941.74
3216- Other Expense	\$ 2,689.77								\$ -	\$ 2,689.77
3218- Other Expense	\$ 231,807.86	119,321.98	5,148.83	\$ 7,023.94					\$ 131,500.75	\$ 363,308.61
3222- Other Expense	\$ 133,763.17	5,057.00	6,900.00				\$ 180.00		\$ 12,137.00	\$ 145,900.17
3225- Other Expense	\$ 13,508.37	2,662.04	74.95						\$ 74.95	\$ 13,583.32
3302-Federal Funds Trf between states	\$ 166,477.77	30,000.00	1,728.24	\$ 20,000.00					\$ 4,390.28	\$ 170,868.05
3250- Other Expense	\$ 40,000.00								\$ 50,000.00	\$ 90,000.00
6100- Other Expense	\$ 13,002.16								\$ 125.00	\$ 13,127.16
6102- Other Expense	\$ 10,667.00								\$ -	\$ 10,667.00
6103- Other Expense	\$ 341.91								\$ -	\$ 341.91
6105- Other Expense	\$ 41,623.72	3,469.44	1,276.96						\$ 4,746.40	\$ 46,370.12
6108- Other Expense	\$ 1,908.85								\$ -	\$ 1,908.85
079- Other Expense	\$ 13,674.56								\$ -	\$ 13,674.56
3261/3267- Other Expense	\$ 1,709.78								\$ 20,200.85	\$ 21,910.63
3272- Other Expense	\$ 56,607.00								\$ -	\$ 56,607.00
3203- Other Expense	\$ 7,835.76								\$ -	\$ 7,835.76
3238- Other Expense	\$ 110,479.12	5,193.98	7,226.50	\$ 1,794.13					\$ 14,214.61	\$ 124,893.73
235- Other Expense	\$ 1,958.05								\$ -	\$ 1,958.05
236- Other Expense	\$ 4,207.66								\$ -	\$ 4,207.66
237- Other Expense	\$ 6,689.82								\$ -	\$ 6,689.82
238- Other Expense	\$ 86,249.72								\$ -	\$ 86,249.72
3213/3214/Other Expense	\$ 457,170.87	17,382.40	31,866.70	\$ 3,762.31			\$ 5,484.96	\$ 1,575.33	\$ 60,071.70	\$ 517,242.57
272- Other Expense	\$ 7,328.62								\$ -	\$ 7,328.62

APPENDIX B-3 Trial Balance

SAFE DRINKING WATER TREATMENT REVOLVING FUND
Trial Balance
EXPENDITURES
As of June 30, 2018

	3044	3045	3046	3047	3048	3780	3781	Totals	Cumulative thru 6/30/18
275- Other Expense								\$ -	\$ 34,959.12
278- Other Expense								\$ -	\$ 65.00
279- Other Expense								\$ -	\$ 505,066.01
3220- Other Expense		674.18						\$ 736.44	\$ 3,558.08
3228- Other Expense	62.26							\$ -	\$ 148,980.90
3226- Other Expense		2,161.46						\$ 2,161.46	\$ 10,610.02
3241- Other Expense	5.00	72.51					5.00	\$ 82.51	\$ 4,873.99
512- Other Expense								\$ -	\$ 366.52
3246-3247/3248/3249- Capital Outlay	2,894.20	3,337.42	2,066.00					\$ 8,297.62	\$ 284,012.08
3252- Capital Outlay	1,020.00	372.00	680.00					\$ 2,072.00	\$ 206,720.49
5200- Capital Outlay								\$ -	\$ 56,276.01
5203- Capital Outlay								\$ -	\$ 530,033.44
5206- Capital Outlay	33,758.68							\$ 33,758.68	\$ 69,652.35
5208- Capital Outlay								\$ -	\$ 16,807.95
5209- Capital Outlay								\$ -	\$ 22,208.95
5201- Capital Outlay								\$ -	\$ 309,507.45
8203- Capital Outlay								\$ -	\$ 411,449.05
3285- Federal Subrecipient Disbursement	98,560.39			\$ 177,061.90				\$ 275,622.29	\$ 8,792,693.99
252- Subrecipient - Non-Federal Fund								\$ -	\$ 188,342.95
258- Quasi-Subrecipient-Non-Federal								\$ -	\$ 125,359.09
3206- Contractual & Professional								\$ -	\$ 487,317.37
3207- Contractual & Professional		11,018.75						\$ 11,018.75	\$ 2,753,168.40
3208- Contractual & Professional								\$ -	\$ 1,331,029.72
3209- Contractual & Professional								\$ -	\$ 82,280.42
3211- Travel-Training								\$ -	\$ 289,940.10
262- Travel-Training	6,790.27	5,893.39	5,066.70					\$ 17,750.36	\$ 95,906.77
263- Travel-Training								\$ -	\$ 2,319.24
3242- Travel-Training								\$ -	\$ 253,564.77
3243- Travel-Training	1,965.00	25.00						\$ 2,000.00	\$ 220,626.91
524- Travel-Training						430.00	215.00	\$ 1,200.00	\$ 1,477.47
525- Travel-Training								\$ -	\$ 484,930.26
527- Travel-Training								\$ -	\$ 14,959.94
Total expenditures excluding in-kind services	\$ 56,162,586.06	\$ 2,010,429.47	\$ 341,025.31	\$ 177,061.90	\$ -	\$ 165,054.26	\$ 72,376.32	\$ 3,807,982.76	\$ 59,970,568.82
In-kind Services provided by EPA on OEHS' behalf	\$ 1,514,176.00							\$ -	\$ 1,514,176.00
Total expenditures including In-kind Services	\$ 57,676,762.06	\$ 2,010,429.47	\$ 341,025.31	\$ 177,061.90	\$ -	\$ 165,054.26	\$ 72,376.32	\$ 3,807,982.76	\$ 61,484,744.82

UNIT 3780 AND 3781 ARE MIS UNITS. PERSONNEL WERE MOVED IN FY2015 FROM 3044 TO 3780 AND 3045 TO 3781. THE MIS UNITS ARE STILL UNDER THE 15% AND 10% SET ASIDES. ON THE APPENDIX C-2, UNIT 3780 IS CONSOLIDATED UNDER THE 15% AND UNIT 3781 IS CONSOLIDATED UNDER THE 10%. THEY ARE NOT BROKEN OUT AS THEY ARE ON THE WORKING PAPERS

APPENDIX B-4 FCTR TO FSR Cash Transaction Report

FCTR to FSR Reconciliation from inception

Grant #	FY 1999			FY 2000			FY 2001			FY 2002		
	FCTR Amount	FSR Amount	Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference
14364	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12813	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11516	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9677	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8861	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7515	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4501	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4058	\$ 921,651.67	\$ 943,092.18	\$ (21,440.51)	\$ 555,073.49	\$ 563,181.27	\$ (8,107.78)	\$ 5,209,979.34	\$ 5,209,563.04	\$ (7,691.48)	\$ 664,151.07	\$ 664,151.06	\$ 0.01
	\$ 921,651.67	\$ 943,092.18	\$ (21,440.51)	\$ 1,966,430.82	\$ 2,074,199.75	\$ (129,209.44)	\$ 5,093,171.15	\$ 4,985,969.71	\$ (72,008.00)	\$ 4,522,076.71	\$ 4,516,284.05	\$ (1,896.82)
				\$ 2,521,504.31	\$ 2,637,381.02	\$ (137,317.22)	\$ 10,303,150.49	\$ 10,195,532.75	\$ (29,699.48)	\$ 9,006,818.99	\$ 8,979,018.31	\$ (1,896.80)

Grant #	FY 2003			FY 2004			FY 2005			FY 2006		
	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference
15384	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12813	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9677	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8861	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7515	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4501	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4058	\$ 268,753.54	\$ 268,753.54	\$ 0.01	\$ 1,027,928.86	\$ 1,027,928.87	\$ 0.00	\$ 63,393.49	\$ 90,135.41	\$ (26,741.92)	\$ 307,598.71	\$ 280,856.80	\$ (0.01)
	\$ 4,606,657.85	\$ 4,870,857.20	\$ (266,098.13)	\$ 4,835,570.51	\$ 4,999,725.43	\$ 69,746.93	\$ 3,901,376.21	\$ 4,045,272.00	\$ (74,148.86)	\$ 9,923,391.07	\$ 9,912,445.98	\$ (63,203.77)

Grant #	FY 2007			FY 2008			FY 2009			FY 2010		
	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference
17779	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16569	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15384	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12813	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
9677	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11516	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
8861	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7515	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4501	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4058	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 9,344,563.38	\$ 9,281,359.12	\$ 0.49	\$ 5,251,349.81	\$ 5,186,123.39	\$ 65,226.91	\$ 7,353,348.28	\$ 7,418,575.21	\$ (60.02)	\$ 11,299,007.30	\$ 11,299,006.88	\$ 0.42

Grant #	FY 2011			FY 2012			FY 2013			FY 2014		
	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference	FCTR Amount	FSR Amount	Cumulative Difference
22849	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
21690	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
20419	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
17779	\$ 1,066,244.84	\$ 862,950.80	\$ 203,294.04	\$ 163,710.27	\$ 263,709.43	\$ (99,999.16)	\$ 6,008,362.00	\$ 6,294,303.41	\$ (285,941.41)	\$ 4,924,510.80	\$ 4,930,397.35	\$ (5,886.55)
16569	\$ 5,866,562.11	\$ 5,892,982.17	\$ (26,420.06)	\$ 18,699,792.79	\$ 18,804,274.40	\$ (104,481.61)	\$ 8,369,214.70	\$ 8,348,540.96	\$ 20,673.74	\$ 2,008,231.55	\$ 1,897,619.63	\$ 110,611.92
15384	\$ 7,141,965.59	\$ 7,141,965.59	\$ 0.00	\$ 1,907,616.41	\$ 1,879,645.77	\$ 27,970.64	\$ 1,094,015.95	\$ 1,325,213.36	\$ (231,215.41)	\$ 377,605.13	\$ 376,988.54	\$ (616.59)
14364	\$ 4,588,160.63	\$ 4,588,157.50	\$ 3.13	\$ 382,524.88	\$ 382,524.88	\$ 0.00	\$ 234,612.11	\$ 281,162.70	\$ (46,550.59)	\$ 46,000.00	\$ 1,000.00	\$ 45,000.00
12813	\$ 10,786.89	\$ 10,786.89	\$ 0.00	\$ 51,713.30	\$ 51,713.30	\$ 0.00	\$ 10,954.31	\$ 10,951.31	\$ 3.00	\$ -	\$ -	\$ 3.00
	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.00
	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.00

APPENDIX B-4 FCTR TO FSR Cash Transaction Report

	FCTR Amount	FFR Amount	Cumulative Difference	FY 2015	FY 2016	FY 2017	FY 2018	Difference	
11516	\$	\$	\$0.00					\$0.00	
9677	\$	\$	\$0.00					\$0.00	
8861	\$	\$	\$0.00					\$0.00	
7515	\$	\$	\$0.00					\$0.00	
4501	\$	\$	\$0.00					\$0.00	
4058	\$	\$	\$0.00					\$0.00	
	\$ 18,673,720.06	\$ 18,496,842.95	176,877.11	\$ 21,205,353.84	\$ 21,381,867.78	\$ 15,717,159.07	\$ 16,260,189.74	\$ 7,503,361.09	273,705.16

	FCTR Amount	FFR Amount	Cumulative Difference	FY 2015	FY 2016	FY 2017	FY 2018	Difference	
EY2017									
EY2016									
EY2015									
22849	\$ 7,056,367.11	\$ 7,120,691.36	\$(64,324.25)	\$ 6,763,720.25	\$ 7,190,603.16	\$ 6,579,099.54	\$ 7,012,153.48	\$(433,053.94)	
21890	\$ 1,566,913.83	\$ 2,310,719.37	\$(743,805.54)	\$ 926,205.26	\$ 1,037,898.98	\$ 1,494,124.20	\$ 1,074,094.87	\$ 420,029.33	
20419	\$ 613,640.73	\$ 543,102.43	\$ 70,538.30	\$ 1,632,632.61	\$ 984,091.41	\$ 330,427.63	\$ 154,409.67	\$ 176,017.96	
19106	\$ 115,844.30	\$ 75,056.17	\$ 40,788.13	\$ 224,370.20	\$ 126,116.43	\$ 121,942.76	\$ 20,791.87	\$ 101,150.89	
17779	\$ 9,548.85	\$ 2,478.87	\$ 7,069.98	\$ 41,625.60	\$ -1,734.90	\$ 6,677.52	\$ 140.10	\$ 6,537.42	
16569	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
15384	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
14364	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
12813	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
11516	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
9677	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
8861	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
7515	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4501	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
4058	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	\$ 9,362,314.62	\$ 10,052,048.20	(689,733.58)	\$ 9,588,553.92	\$ 9,340,444.88	\$ 8,532,271.65	\$ 8,261,589.99	270,681.66	\$ 2,869,987.00
									\$ 3,911,604.04
									\$ 1,722,486.34
									\$ 1,114,415.37
									\$ 33,085.29
									\$ 8,310,886.74
									\$ 31,001.97
									\$ 2,083.32

	FCTR Amount	FFR Amount	Cumulative Difference
EY2017	\$ 1,722,486.34	\$ 3,911,604.04	\$(2,189,117.70)
EY2016	\$ 7,693,514.91	\$ 15,222,040.22	\$(7,528,525.31)
EY2015	\$ 8,290,929.74	\$ 8,295,700.00	\$(4,770.26)
EY2014	\$ 8,313,000.00	\$ 8,313,000.01	\$(0.01)
22849	\$ 8,246,000.00	\$ 8,246,000.00	0.00
21890	\$ 8,861,282.00	\$ 8,861,282.00	0.00
20419	\$ 9,068,000.00	\$ 9,068,000.00	0.00
19106	\$ 21,290,321.00	\$ 21,290,321.00	0.00
17779	\$ 8,146,000.00	\$ 8,146,000.01	\$(0.01)
16569	\$ 8,229,000.00	\$ 8,228,997.00	3.00
15384	\$ 8,229,299.74	\$ 8,229,299.99	\$(0.25)
14364	\$ 8,285,500.00	\$ 8,285,500.00	0.00
12813	\$ 7,882,882.55	\$ 7,882,882.58	\$(0.03)
11516	\$ 8,004,100.00	\$ 8,004,100.00	0.00
9677	\$ 8,052,500.00	\$ 8,052,500.00	0.00
8861	\$ 7,779,100.00	\$ 7,779,099.99	0.01
7515	\$ 7,757,000.00	\$ 7,757,000.00	0.00
4501	\$ 14,585,100.00	\$ 14,585,100.01	\$(0.01)
4058	\$ 12,558,800.00	\$ 12,558,800.00	0.00
	\$ 172,994,816.28	\$ 182,818,226.85	\$(9,823,410.57)

APPENDIX B-5 Set Aside Expenditure Recap

	15%		10%		4%		2%		Total Federal		10%		10%	
	Org 3044	Org 3045	Org 3046	Org 3047	Dollars	Fed + State	State Match							
2015 Grant	\$ 22,916.80	\$ 4,379.71	\$ 5,895.32	\$ -	\$ 33,191.83	\$ 4,379.71	\$ -							
2016 Grant	\$ 836,731.18	\$ 383,344.54	\$ 87,939.35	\$ 138,446.33	\$ 1,446,461.40	\$ 284,251.99	\$ 99,092.55							
2017 Grant	\$ 347,441.78	\$ 1,695,081.54	\$ 247,190.64	\$ 38,615.57	\$ 2,328,329.53	\$ 1,061,196.92	\$ 633,884.62							
Total	\$ 1,207,089.76	\$ 2,082,805.79	\$ 341,025.31	\$ 177,061.90	\$ 3,807,982.76	\$ 1,349,828.62	\$ 732,977.17							

NOTES: The Org 3044 includes expenses for the Org 3780.

The Org 3045 includes expenses for the Org 3781.

APPENDIX B-6: Reconciliation of BPH Draws with EPA Report

FS993900-14	Available Balance		
	EPA	WV	Difference
Construction Fund	\$0	\$0	\$0
Side-Aside 4%	\$0	\$0	\$0
Side-Aside 2%	\$0	\$0	\$0
Side-Aside 10%	\$0	\$0	\$0
Side-Aside 15%	\$0	\$0	\$0
Total	\$0	\$0	\$0

FS993900-15	Available Balance		
	EPA	WV	Difference
Construction Fund	\$0	\$0	\$0
Side-Aside 4%	\$6,543	\$6,543	\$0
Side-Aside 2%	\$0	\$0	\$0
Side-Aside 10%	\$3,294	\$3,294	\$0
Side-Aside 15%	\$26,551	\$26,551	\$0
Total	\$36,388	\$36,388	\$0

FS993900-16	Available Balance		
	EPA	WV	Difference
Construction Fund	\$0	\$0	\$0
Side-Aside 4%	\$194,335	\$194,335	\$0
Side-Aside 2%	\$190,946	\$190,946	\$0
Side-Aside 10%	\$338,544	\$338,544	\$0
Side-Aside 15%	\$1,010,542	\$1,010,542	\$0
Total	\$1,734,367	\$1,734,367	\$0

FS993900-17	Available Balance		
	EPA	WV	Difference
Construction Fund	\$3,269,574	\$3,269,574	\$0
Side-Aside 4%	\$69,524	\$69,524	\$0
Side-Aside 2%	\$230,000	\$230,000	\$0
Side-Aside 10%	\$104,362	\$104,362	\$0
Side-Aside 15%	\$581,235	\$581,235	\$0
Total	\$4,254,695	\$4,254,695	\$0

APPENDIX B-7

Federal Financial Reports for Open/Closed Grants

Variance of FFR and Annual Report Expenditures

FS – 99390015 – Final FFR

FS – 99390016 – Interim FFR

FS – 99390017 – Interim FFR

Variance of FFR and Annual Report Expenditures

In preparing the WV Department of Health and Human Resources Schedule of Expenditures of Federal Awards (SEFA), Grants Management’s Deputy Secretary of Administration used the total accumulated expenses as of July 6, 2018. For consistency, the same numbers were used on the Federal Financial Report (FFR). However, the total expenditures reported in the Annual Report for each set-aside are for the state fiscal year 2018, ending on June 30, 2018. All expenditures were reported on a cash basis.

The end year 2015 FFR expenditures reconciles to the annual report without exception. The end year 2016 difference is due to a \$20,132.54 posting on July 6, 2018 to the local assistance (15% set-aside) indirect costs, included in the FFR, not the Annual Report. End year 2017 reported a net \$527.99 expenditure difference to set-asides: 15% Local Assistance, 10% State Program Management and 4% Administration. The end year 2017 FFR expenditure variance is due to various debits and credits posted between July 1st and July 6th not included in the Annual Report.

The end year 2016 and 2017 tables below illustrate the reporting differences by set-aside:

Grant EY2016	15% Local Assistance	10% (Fed/State) Prog. Mgmt.	4% Administration	2% Technical Assistance	Total Set-Aside Expenditures
Annual Report	\$836,731.18	\$383,344.54	\$87,939.35	\$138,446.33	\$1,446,461.40
FFR	\$856,863.72	\$383,344.54	\$87,939.35	\$138,446.33	\$1,466,593.94
Variance	\$20,132.54	\$0.00	\$0.00	\$0.00	\$20,132.54

Grant EY2017	15% Local Assistance	10% (Fed/State) Prog. Mgmt.	4% Administration	2% Technical Assistance	Total Set-Aside Expenditures
Annual Report	\$347,441.78	\$1,695,081.54	\$247,190.64	\$38,615.57	\$2,328,329.53
FFR	\$387,050.05	\$1,657,175.99	\$246,015.91	\$38,615.57	\$2,328,857.52
Variance	\$39,608.27	\$(37,905.55)	\$(1,174.73)	\$0.00	\$527.99

FEDERAL FINANCIAL REPORT

(Follow form instructions)

1. Federal Agency and Organizational Element to Which Report is Submitted United States Environmental Protection Agency	2. Federal Grant or Other Identifying Number Assigned by Federal Agency (To report multiple grants, use FFR Attachment) <p style="text-align: center; font-size: 1.2em;">FS-99390015</p>	Page <p style="text-align: center;">1</p>	of <p style="text-align: center;">1</p>
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3. Recipient Organization (Name and complete address including Zip code)
WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES
ONE DAVIS SQUARE, SUITE 303
CHARLESTON, WV 25301

4a. DUNS Number 140779708	4b. EIN 55-6000810	5. Recipient Account Number or Identifying Number (To report multiple grants, use FFR Attachment) <p style="text-align: center;">SFDW & DWSA EY2015</p>	6. Report Type <input type="checkbox"/> Quarterly <input type="checkbox"/> Semi-Annual <input type="checkbox"/> Annual <input checked="" type="checkbox"/> Final	7. Basis of Accounting <input checked="" type="checkbox"/> Cash <input type="checkbox"/> Accrual
---	----------------------------------	--	--	---

8. Project/Grant Period From: (Month, Day, Year) <p style="text-align: center;">7/1/2015</p>	To: (Month, Day, Year) <p style="text-align: center;">6/30/2018</p>	9. Reporting Period End Date (Month, Day, Year) <p style="text-align: center;">6/30/2018</p>
--	--	--

10. Transactions Cumulative

(Use lines a-c for single or multiple grant reporting)

Federal Cash (To report multiple grants, also use FFR Attachment):	
a. Cash Receipts	
b. Cash Disbursements	
c. Cash on Hand (line a minus b)	

(Use lines d-o for single grant reporting)

Federal Expenditures and Unobligated Balance:	
d. Total Federal funds authorized	\$8,787,000.00
e. Federal share of expenditures	\$8,787,000.00
f. Federal share of unliquidated obligations	\$0.00
g. Total Federal share (sum of lines e and f)	\$8,787,000.00
h. Unobligated balance of Federal funds (line d minus g)	\$0.00

Recipient Share:	
i. Total recipient share required	\$2,196,750.00
j. Recipient share of expenditures	\$2,196,750.00
k. Remaining recipient share to be provided (line i minus j)	\$0.00

Program Income:	
l. Total Federal program income earned	
m. Program income expended in accordance with the deduction alternative	
n. Program income expended in accordance with the addition alternative	
o. Unexpended program income (line l minus line m or line n)	

11. Indirect Expense	a. Type	b. Rate	c. Period From	Period To	d. Base	e. Amount Charged	f. Federal Share	
		Predetermined	40.99%	7/1/2015	6/30/2016	\$165,743.82	\$67,938.39	\$67,938.39
	Predetermined	42.57%	7/1/2016	6/30/2017	\$447,278.27	\$190,406.36	\$190,406.36	
						\$0.00	\$0.00	
							\$0.00	
	g. Totals:					\$165,743.82	\$258,344.75	\$258,344.75

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation:

13. Certification: By signing this report, I certify that it is true, complete, and accurate to the best of my knowledge. I am aware that any false, fictitious, or fraudulent information may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)

a. Typed or Printed Name and Title of Authorized Certifying Official Report prepared by: Huyen Hoang Warren D. Keefer, Chief Operating Officer West Virginia Department of Health and Human Resources	c. Telephone (Area code, number and extension) <p style="text-align: center;">304-558-3378</p>
b. Signature of Authorized Certifying Official	d. Email address <p style="text-align: center;">larry.e.easter@wv.gov</p>
	e. Date Report Submitted (Month, Day, Year) <p style="text-align: center;">August 3, 2018</p>
14. Agency use only:	

Standard Form 425
 OMB Approval Number: 0348-0061
 Expiration Date: 10/31/2011

Paperwork Burden Statement
 According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is 0348-0061. Public reporting burden for this collection of information is estimated to average 1.5 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0061), Washington, DC 20503.

SAFE DRINKING WATER
DRINKING WATER REVOLVING GRANT DWSA & SFDW EY2015
07/01/2015 THROUGH 06/30/2018

	3044		3045		3046		3047		3048		TOTALS	3034 Technical Assistance Set Aside State Only	GRAND TOTALS
	Local Assistance Set Aside 15 %	State Program Management Set Aside 10 %	Administration Set Aside 4 %	Technical Assistance Set Aside 2 %	WDA SRF Project Fund								
Expenditures	700,730.77	815,831.30	282,023.18	87,870.00	8,347,650.00						10,234,105.25	133,940.26	10,368,045.51
Indirect	126,019.23	62,868.70	69,456.82	0.00	0.00						258,344.75	0.00	258,344.75
In-Kind Services †	491,300.00	0.00	0.00	0.00	0.00						491,300.00	0.00	491,300.00
Total Expenditures	1,318,050.00	878,700.00	351,480.00	87,870.00	8,347,650.00						10,983,750.00	133,940.26	11,117,690.26
Federal	1,318,050.00	439,350.00	351,480.00	87,870.00	6,590,250.00						8,787,000.00	0.00	8,787,000.00
State		439,350.00			1,757,400.00						2,196,750.00	133,940.26	2,330,690.26
† In-Kind Assistance are funds the EPA withdrew so they may obtain services, on our behalf, with an existing EPA vendor to conduct the Administration Set Aside activities.													
Expenditures													
OASIS as of 6/30/2018	826,750.00	878,700.00	351,480.00	87,870.00	6,590,250.00						8,735,050.00	133,940.26	8,868,990.26
OASIS as of 6/30/2017	803,833.20	874,320.29	345,584.68	87,870.00	6,590,250.00						8,701,858.17	104,628.88	8,806,487.05
SFY 2017 current activity	22,916.80	4,379.71	5,895.32	0.00	0.00						33,191.83	29,311.38	62,503.21
Indirect													
OASIS as of 6/30/2018	126,019.23	62,868.70	69,456.82								258,344.75		258,344.75
OASIS as of 6/30/2017	114,631.76	62,868.70	67,030.33								244,530.79		244,530.79
SFY 2017 current activity	11,387.47	0.00	2,426.49	0.00	0.00						13,813.96	0.00	13,813.96

SAFE DRINKING WATER
 DRINKING WATER REVOLVING GRANT DWSA & SFDW EY2015
 7/01/2016 THROUGH 06/30/2017

	3044 Local Assistance Set Aside 15 %		3045 State Program Management Set Aside 10 %		3046 Administration Set Aside 4 %		3047 Technical Assistance Set Aside 2 %		3048 WDA SRF Project Fund		TOTALS	3034 Technical Assistance Set Aside State Only	GRAND TOTALS
Expenditures	11,529.33	4,379.71	3,468.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19,377.87	29,311.38	48,689.25
Indirect	11,387.47	0.00	2,426.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13,813.96	0.00	13,813.96
In-Kind Services †	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Expenditures	22,916.80	4,379.71	5,895.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33,191.83	29,311.38	62,503.21
Federal	22,916.80	2,189.85	5,895.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31,001.97	0.00	31,001.97
State	0.00	2,189.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,189.86	29,311.38	31,501.24

† In-Kind Assistance are funds the EPA withdrew so they may obtain services, on our behalf, with an existing EPA vendor to conduct the Administration Set Aside activities.

**SAFE DRINKING WATER
DRINKING WATER REVOLVING GRANT SFDW EY2015
07/01/2015 THROUGH 06/30/2018**

PROJECT	PROJECT #	TOTAL	FEDERAL	STATE	DHHR FIMS #	DATE
Beverly, Town of	10DWTRFB005	\$10,969.00	\$8,660.00	\$2,309.00		10/16/2015
Camden on Gauley, Town of	12DWTRFB007	\$76,989.00	\$60,781.00	\$16,208.00		10/1/2015
Chapmanville, Town of (A)	12DWTRFB012	\$83,272.00	\$65,741.00	\$17,531.00		9/3/2015
City of Stonewood (B)	13DWTRFA005	\$18,826.00	\$14,862.00	\$3,964.00		12/10/2015
City of Stonewood (B)	13DWTRAF005	\$3,999.00	\$3,158.00	\$841.00		1/13/2016
City of Welch (A)	14DWTRAF007	\$189,534.00	\$149,632.00	\$39,902.00		1/15/2016
City of Welch (A)	14DWTRAF007	\$330,995.00	\$261,311.00	\$69,684.00		1/13/2016
City of Welch WTD Upgrade	14DWTRFA007	\$307,423.00	\$242,703.00	\$64,720.00		9/11/2015
Clay Battelle PSD	14DWTRFA003	\$214,080.00	\$169,009.00	\$45,071.00		10/6/2015
Clay Battelle PSD	14DWTRFA003	\$130,295.00	\$102,864.00	\$27,431.00		10/6/2015
Clay Battelle PSD	14DWTRFA003	\$455,362.00	\$359,496.00	\$95,866.00		11/13/2015
Clay Battelle PSD	14DWTRFA003	\$597,246.00	\$471,510.00	\$125,736.00		11/13/2015
Clay Battelle PSD (A)	14DWTRFA003	\$320,096.00	\$252,708.00	\$67,388.00		12/10/2015
Clay Battelle PSD (A)	14DWTRFA003	\$3,588.00	\$2,832.00	\$756.00		12/29/2015
Clay Battelle PSD (B)	14DWTRFA003	\$227,488.00	\$179,595.00	\$47,893.00		12/10/2015
Clay Battelle PSD (B)	14DWTRFA003	\$336,887.00	\$265,964.00	\$70,923.00		12/29/2015
Clay Battelle PSD	14DWTRFA003	\$448,775.00	\$354,296.00	\$94,479.00		9/14/2015
Clay Battelle PSD	14DWTRFA003	\$200,308.00	\$158,137.00	\$42,171.00		9/14/2015
Fenwick Mountain PSD	14DWTRFA001	\$10,398.00	\$8,209.00	\$2,189.00		9/17/2015
Fenwick Mountain PSD	14DWTRFA001	\$1,977.00	\$1,561.00	\$416.00		1/25/2016
Fenwick Mountain PSD (A)	14DWTRFA001	\$4,918.00	\$3,882.00	\$1,036.00		9/3/2015
Fenwick Mountain PSD (A)	14DWTRFA001	\$6,746.00	\$5,326.00	\$1,420.00		12/21/2015
Huttonsville PSD	11DWTRFA016	\$304,082.00	\$240,065.00	\$64,017.00		1/19/2016
Huttonsville PSD (B)	11DWTRFA016	\$153,325.00	\$121,046.00	\$32,279.00		12/1/2015
Huttonsville PSD	11DWTRFA016	\$552,591.00	\$436,256.00	\$116,335.00		9/17/2015
Huttonsville PSD	11DWTRFA016	\$524,456.00	\$414,044.00	\$110,412.00		9/29/2015
Huttonsville PSD	11DWTRFA016	\$321,183.00	\$253,565.00	\$67,618.00		11/19/2005
Jefferson County PSD	13DWTRFA004	\$58.00	\$46.00	\$12.00		11/12/2015
Lubeck PSD	15DWTRFA007	\$25,202.00	\$19,896.00	\$5,306.00		10/20/2015
Lubeck PSD	15DWTRFA007	\$54,460.00	\$42,995.00	\$11,465.00		11/19/2015
Lubeck PSD	15DWTRFA007I	\$18,125.00	\$14,309.00	\$3,816.00		12/21/2015
Lubeck PSD	15DWTRFA007I	\$15,154.00	\$11,964.00	\$3,190.00		1/25/2016
Oakland PSD	11DWTRFA012	\$470.00	\$371.00	\$99.00		9/21/2015
Oakland PSD	11DWTRFA012	\$1,990.00	\$1,571.00	\$419.00		9/29/2015
Oakland PSD (A)	11DWTRFA012	\$250.00	\$198.00	\$52.00		12/16/2015
Oakland PSD (A)	11DWTRFA012	\$14,162.00	\$11,180.00	\$2,982.00		1/7/2016
Page-Kincaid PSD	14DWTRFA004	\$83,973.00	\$66,295.00	\$17,678.00		9/11/2015
Page-Kincaid PSD	14DWTRFA004	\$15,672.00	\$12,373.00	\$3,299.00		9/11/2015
Page-Kincaid PSD	14DWTRFA004	\$2,981.00	\$2,353.00	\$628.00		10/30/2015
Page-Kincaid PSD	14DWTRFA004	\$120,418.00	\$95,270.00	\$25,148.00		10/30/2015
Page-Kincaid PSD	14DWTRFA004	\$2,500.00	\$1,974.00	\$526.00		11/18/2015
Page-Kincaid PSD	14DWTRFA004	\$4,667.00	\$3,684.00	\$983.00		11/18/2015
Preston County PSD #4	11DWTRFA004	\$390.00	\$308.00	\$82.00		10/26/2015
Preston County PSD #4	11DWTRFA004	\$112,480.00	\$88,800.00	\$23,680.00		10/20/2015
Preston County PSD #4	11DWTRFA004	\$6,504.00	\$5,135.00	\$1,369.00		11/3/2015
Preston County PSD #4	11DWTRFA004	\$25,434.00	\$19,877.00	\$5,557.00		11/3/2015
Preston County PSD #4	11DWTRFA004	\$2,060.00	\$1,627.00	\$433.00		11/24/2015
Preston County PSD #4	11DWTRFA004	\$2,530.00	\$1,997.00	\$533.00		1/28/2016
Southern Jackson PSD	11DWTRFB008	\$231,657.00	\$182,887.00	\$48,770.00		10/5/2015
Stonewood, City of (B)	13DWTRFA005	\$75,303.00	\$59,450.00	\$15,853.00		9/3/2015
Town of Capon Bridge (A)	11DWTRFA010	\$8,189.00	\$6,465.00	\$1,724.00		12/16/2015
Town of Chapmanville (A)	12DWTRFB012	\$16,402.00	\$12,949.00	\$3,453.00		12/3/2015
Welch, City of	14DWTRFA007	\$287,233.00	\$226,762.00	\$60,471.00		10/13/2015
Welch, City of	14DWTRFA007	\$137,718.00	\$108,725.00	\$28,993.00		11/12/2015
Wilderness PSD	14DWTRFA009	\$199,027.00	\$157,129.00	\$41,898.00		10/13/2015
Wilderness PSD	14DWTRFA009	\$268,554.00	\$212,016.00	\$56,538.00		10/26/2015
Wilderness PSD	14DWTRFA009	\$510,236.00	\$402,818.00	\$107,418.00		11/30/2015
Wilderness PSD	14DWTRFA009	\$73,910.00	\$58,350.00	\$15,560.00		1/29/2016
Wilderness PSD (A)	14DWTRFA009	\$9,073.00	\$7,163.00	\$1,910.00		9/3/2015
Wilderness PSD (A)	14DWTRAF009	\$185,060.00	\$146,100.00	\$38,960.00		1/12/2016
Total		\$8,347,650.00	\$6,590,250.00	\$1,757,400.00		

FEDERAL FINANCIAL REPORT

(Follow form instructions)

1. Federal Agency and Organizational Element to Which Report is Submitted United States Environmental Protection Agency	2. Federal Grant or Other Identifying Number Assigned by Federal Agency (To report multiple grants, use FFR Attachment) <p style="text-align: center; font-size: 1.2em;">FS-99390016</p>	Page <p style="text-align: center; font-weight: bold;">1</p>	of <p style="text-align: center; font-weight: bold;">1</p>
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3. Recipient Organization (Name and complete address including Zip code) WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES ONE DAVIS SQUARE, SUITE 303 CHARLESTON, WV 25301
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4a. DUNS Number 140779708	4b. EIN 55-6000810	5. Recipient Account Number or Identifying Number (To report multiple grants, use FFR Attachment) SFDW & DWSA EY2016	6. Report Type <input type="checkbox"/> Quarterly <input type="checkbox"/> Semi-Annual <input checked="" type="checkbox"/> Annual <input type="checkbox"/> Final	7. Basis of Accounting <input checked="" type="checkbox"/> Cash <input type="checkbox"/> Accrual
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8. Project/Grant Period From: (Month, Day, Year) <p style="text-align: center;">7/1/2016</p>	To: (Month, Day, Year) <p style="text-align: center;">6/30/2019</p>	9. Reporting Period End Date (Month, Day, Year) <p style="text-align: center;">6/30/2018</p>
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10. Transactions	Cumulative
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(Use lines a-c for single or multiple grant reporting)

Federal Cash (To report multiple grants, also use FFR Attachment):	
a. Cash Receipts	
b. Cash Disbursements	
c. Cash on Hand (line a minus b)	

(Use lines d-o for single grant reporting)

Federal Expenditures and Unobligated Balance:	
d. Total Federal funds authorized	\$8,312,000.00
e. Federal share of expenditures	\$8,310,886.74
f. Federal share of unliquidated obligations	\$0.00
g. Total Federal share (sum of lines e and f)	\$8,310,886.74
h. Unobligated balance of Federal funds (line d minus g)	\$1,113.26

Recipient Share:	
i. Total recipient share required	\$2,309,681.34
j. Recipient share of expenditures	\$2,309,681.34
k. Remaining recipient share to be provided (line i minus j)	\$0.00

Program Income:	
l. Total Federal program income earned	
m. Program income expended in accordance with the deduction alternative	
n. Program income expended in accordance with the addition alternative	
o. Unexpended program income (line l minus line m or line n)	

11. Indirect Expense	a. Type	b. Rate	c. Period From	Period To	d. Base	e. Amount Charged	f. Federal Share	
		Predetermined	42.57%	7/1/2016	6/30/2017	\$476,926.07	\$203,027.43	\$203,027.43
	Predetermined	49.95%	7/1/2017	6/30/2018	\$445,333.39	\$222,444.02	\$222,444.02	
						\$0.00	\$0.00	
							\$0.00	
	g. Totals:					\$476,926.07	\$425,471.45	\$425,471.45

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation:

13. Certification: By signing this report, I certify that it is true, complete, and accurate to the best of my knowledge. I am aware that any false, fictitious, or fraudulent information may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)

a. Typed or Printed Name and Title of Authorized Certifying Official Report prepared by: Huyen Hoang Warren D. Keefer, Chief Operating Officer West Virginia Department of Health and Human Resources	c. Telephone (Area code, number and extension) <p style="text-align: center;">304-558-3378</p> d. Email address <p style="text-align: center;">larry.e.easter@wv.gov</p> e. Date Report Submitted (Month, Day, Year) <p style="text-align: center;">August 3, 2018</p>
b. Signature of Authorized Certifying Official	14. Agency use only:

Standard Form 425
 OMB Approval Number: 0348-0061
 Expiration Date: 10/31/2011

Paperwork Burden Statement
 According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is 0348-0061. Public reporting burden for this collection of information is estimated to average 1.5 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0061), Washington, DC 20503.

SAFE DRINKING WATER
 DRINKING WATER REVOLVING GRANT DWSA & SFDW EY2016
 07/01/2016 THROUGH 06/30/2019

	3044 Local Assistance Set Aside 15 %		3045 State Program Management Set Aside 10 %		3046 Administration Set Aside 4 %		3047 Technical Assistance Set Aside 2 %		3048 WDA SRF Project Fund		TOTALS	3034 Technical Assistance Set Aside State Only	GRAND TOTALS
Expenditures	852,552.66	1,304,987.47	191,156.50	235,000.00	7,611,400.00						10,195,096.63	0.00	10,195,096.63
Indirect	193,414.78	173,213.17	58,843.50	0.00	0.00						425,471.45	0.00	425,471.45
In-Kind Services †	0.00	0.00	0.00	0.00	0.00						0.00	0.00	0.00
Total Expenditures	1,045,967.44	1,478,200.64	250,000.00	235,000.00	7,611,400.00						10,620,568.08	0.00	10,620,568.08
Federal	1,045,967.44	830,919.30	250,000.00	235,000.00	5,949,000.00						8,310,886.74	0.00	8,310,886.74
State	647,281.34				1,662,400.00						2,309,681.34	0.00	2,309,681.34
†† 1993 PWSS	183,637.96												
Overmatch credit	<u>830,919.30</u>												
†	In-Kind Assistance are funds the EPA withdrew so they may obtain services, on our behalf, with an existing EPA vendor to conduct the Administration Set Aside activities.												
††	In the grant application, WV utilized \$183,700 of the 1993 Public Water System Supervision (PWSS) expenditure overmatch credit as a state matching item for the 10% Program Management Set-Aside allowed under 40CFR 35.3535(d)(2)(ii). This amount equates to 12.423074322% of the total costs for the program.												
Expenditures													
OASIS as of 6/30/2018	1,045,967.44	1,478,200.64	250,000.00	235,000.00	5,949,000.00						8,958,168.08	0.00	8,958,168.08
OASIS as of 6/30/2017	189,103.72	1,094,856.10	162,060.65	96,553.67	5,949,000.00						7,491,574.14	0.00	7,491,574.14
SFY 2017 current activity	856,863.72	383,344.54	87,939.35	138,446.33	0.00						1,466,593.94	0.00	1,466,593.94
Indirect													
OASIS as of 6/30/2018	193,414.78	173,213.17	58,843.50	0.00							425,471.45	0.00	425,471.45
OASIS as of 6/30/2017	19,851.77	107,853.27	37,351.83	0.00							165,056.87	0.00	165,056.87
SFY 2017 current activity	173,563.01	65,359.90	21,491.67	0.00	0.00						260,414.58	0.00	260,414.58

SAFE DRINKING WATER
 DRINKING WATER REVOLVING GRANT DWSA & SFDW EY2015
 7/01/2016 THROUGH 06/30/2017

	3044		3045		3046		3047		3048		TOTALS	3034 Technical Assistance Set Aside State Only	GRAND TOTALS
	Local Assistance Set Aside 15 %	State Program Management Set Aside 10 %	Administration Set Aside 4 %	Technical Assistance Set Aside 2 %	WDA SRF Project Fund								
Expenditures	683,300.71	317,984.64	66,447.68	138,446.33	7,611,400.00	8,817,579.36	0.00	0.00	8,817,579.36	0.00	8,817,579.36		
Indirect	173,563.01	65,359.90	21,491.67	0.00	0.00	260,414.58	0.00	0.00	260,414.58	0.00	260,414.58		
In-Kind Services †	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00
Total Expenditures	856,863.72	383,344.54	87,939.35	138,446.33	7,611,400.00	9,077,993.94	0.00	0.00	9,077,993.94	0.00	9,077,993.94		
Federal	856,863.72	215,483.86	87,939.35	138,446.33	0.00	1,298,733.26	0.00	0.00	1,298,733.26	0.00	1,298,733.26		
State	167,860.68	167,860.68			0.00	167,860.68			167,860.68	0.00	167,860.68		
†† 1993 PWSS		47,623.18											

† In-Kind Assistance are funds the EPA withdrew so they may obtain services, on our behalf, with an existing EPA vendor to conduct the Administration Set Aside activities.

†† In the grant application, WV utilized \$183,700 of the 1993 Public Water System Supervision (PWSS) expenditure

SAFE DRINKING WATER
DRINKING WATER REVOLVING GRANT SFDW EY2016
07/01/2016 THROUGH 06/30/2019

PROJECT	PROJECT #	TOTAL	FEDERAL	STATE
Town of Mason (A)	15DWTRFA011	\$122,273.00	\$94,847.00	\$27,426.00
Huttonsville PSD (B)	11DWTRFA016	\$19,619.00	\$15,218.00	\$4,401.00
Claywood Park PSD (A)	15DWTRFA002	\$230,783.00	\$179,018.00	\$51,765.00
Fenwick Mountain PSD (A)	14DWTRFA001	\$1,822.00	\$1,413.00	\$409.00
City of Welch (A)	14SWTRFA007	\$440,087.00	\$341,374.00	\$98,713.00
Cowen PSD (A)	14DWTRFA005	\$91,704.00	\$71,135.00	\$20,569.00
Fenwick Mountain PSD (A)	14DWTRFA001	\$1,320.00	\$1,024.00	\$296.00
Claywood Park PSD (A)	15DWTRFA002	\$314,745.00	\$244,147.00	\$70,598.00
Cowen PSD (A)	14DWTRFA005	\$70,750.00	\$54,881.00	\$15,869.00
Huttonsville PSD (B)	11DWTRFA016	\$75,211.00	\$58,341.00	\$16,870.00
City of Welch (A)	14DWTRFA007	\$80,683.00	\$62,585.00	\$18,098.00
Wilderness PSD (A)	14DWTRFA009	\$82,256.00	\$63,806.00	\$18,450.00
Lubeck PSD (A)	15DWTRFA007D	\$24,900.00	\$19,314.00	\$5,586.00
Clay Battelle PSD (B)	14DWTRFA003	\$190,891.00	\$148,074.00	\$42,817.00
Wilderness PSD (A)	14DWTRFA009	\$11,949.00	\$9,268.00	\$2,681.00
Wilderness PSD (B)	14DWTRFA009	\$10,451.00	\$8,107.00	\$2,344.00
Fenwick Mountain PSD (A)	14DWTRFA001	\$6,393.00	\$4,959.00	\$1,434.00
Cowen PSD (A)	14DWTRFA005	\$149,982.00	\$116,340.00	\$33,642.00
Clay Battelle PSD (B)	14DWTRFA003	\$10,595.00	\$8,219.00	\$2,376.00
City of Welch (A)	14DWTRFA007	\$164,270.00	\$127,424.00	\$36,846.00
Huttonsville PSD (B)	11DWTRFA016	\$50,679.00	\$39,312.00	\$11,367.00
Claywood Park PSD (A)	15DWTRFA002	\$529,357.00	\$410,620.00	\$118,737.00
Clay Battelle PSD (B)	14DWTRFA003	\$32,579.00	\$25,271.00	\$7,308.00
River Road PSD (A)	16DWTRFA005	\$26,227.00	\$20,344.00	\$5,883.00
Town of Mason (A)	15DWTRFA011	\$146,236.00	\$113,435.00	\$32,801.00
Town of Camden on Gauley (A)	12DWTRFB007	\$12,750.00	\$9,891.00	\$2,859.00
City of Welch (A)	14DWTRFA007	\$95,250.00	\$91,797.00	\$3,453.00
Town of Camden on Gauley (A)	12DWTRFB007	\$4,318.00	\$3,375.00	\$943.00
Wilderness PSD (A)	14DWTRFA009	\$45,254.00	\$35,103.00	\$10,151.00
Claywood Park PSD (A)	15DWTRFA002	\$380,418.00	\$297,331.00	\$83,087.00
Cowen PSD (A)	14DWTRFA005	\$211,133.00	\$165,020.00	\$46,113.00
River Road PSD (A)	16DWTRFA005	\$224,793.00	\$175,696.00	\$49,097.00
Huttonsville PSD	11DWTRFA016	\$64,969.00	\$50,779.00	\$14,190.00
Fenwick Mountain PSD (A)	14DWTRFA001	\$7,500.00	\$5,861.00	\$1,639.00
Fenwick Mountain PSD (A)	14DWTRFA001	\$2,557.00	\$1,999.00	\$558.00
Town of Mason	15DWTRFA011	\$388,832.00	\$303,908.00	\$84,924.00
City of Welch	14DWTRFA007	\$31,780.00	\$24,839.00	\$6,941.00
Clay Battelle PSD	14DWTRFA003	\$109,382.00	\$85,491.00	\$23,891.00
Cowen PSD	14DWTRFA005	\$156,130.00	\$122,031.00	\$34,099.00
Claywood Park PSD	15DWTRFA002	\$341,660.00	\$267,038.00	\$74,622.00
Lubeck PSD	15DWTRFA007	\$646,198.00	\$505,062.00	\$141,136.00
Town of Mason	15DWTRFA011	\$210,279.00	\$164,352.00	\$45,927.00
Wilderness PSD (A)	14DWTRFA009	\$5,809.00	\$4,540.00	\$1,269.00
City of Welch	14DWTRFA007	\$105,480.00	\$82,443.00	\$23,037.00
Cowen PSD	14DWTRFA005	\$103,878.00	\$81,190.00	\$22,688.00
River Road PSD (A)	16DWTRFA005	\$132,854.00	\$103,837.00	\$29,017.00
Page-Kincaid PSD (A)	14DWTRFA004	\$15,800.00	\$12,349.00	\$3,451.00
Claywood Park PSD	15DWTRFA002	\$394,523.00	\$308,356.00	\$86,167.00
Town of Mason	15DWTRFA011	\$412,239.00	\$322,202.00	\$90,037.00
Huttonsville PSD	11DWTRFA016	\$177,194.00	\$138,493.00	\$38,701.00
Page-Kincaid PSD (A bonds)	14DWTRFA004	\$172,140.00	\$134,543.00	\$37,597.00
Page-Kincaid PSD (B bonds)	14DWTRFA004	\$116,944.00	\$91,403.00	\$25,541.00
Clay Battelle PSD	14DWTRFA003	\$44,706.00	\$34,942.00	\$9,764.00
Cowen PSD	14DWTRFA005	\$60,190.00	\$47,044.00	\$13,146.00
City of Welch	14DWTRFA007	\$50,678.00	\$39,609.00	\$11,069.00
Total		\$7,611,400.00	\$5,949,000.00	\$1,662,400.00

FEDERAL FINANCIAL REPORT

(Follow form instructions)

1. Federal Agency and Organizational Element to Which Report is Submitted United States Environmental Protection Agency	2. Federal Grant or Other Identifying Number Assigned by Federal Agency (To report multiple grants, use FFR Attachment) <div style="text-align: center; font-size: 1.2em;">FS-99390017</div>	Page 1 of 1 pages
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3. Recipient Organization (Name and complete address including Zip code)
WEST VIRGINIA DEPARTMENT OF HEALTH AND HUMAN RESOURCES
ONE DAVIS SQUARE, SUITE 303
CHARLESTON, WV 25301

4a. DUNS Number 140779708	4b. EIN 55-6000810	5. Recipient Account Number or Identifying Number (To report multiple grants, use FFR Attachment) SFDW & DWSA EY2017	6. Report Type <input type="checkbox"/> Quarterly <input type="checkbox"/> Semi-Annual <input checked="" type="checkbox"/> Annual <input type="checkbox"/> Final	7. Basis of Accounting <input checked="" type="checkbox"/> Cash <input type="checkbox"/> Accrual
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8. Project/Grant Period From: (Month, Day, Year) 7/1/2017	To: (Month, Day, Year) 6/30/2024	9. Reporting Period End Date (Month, Day, Year) 6/30/2018
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10. Transactions Cumulative

(Use lines a-c for single or multiple grant reporting)

Federal Cash (To report multiple grants, also use FFR Attachment):	
a. Cash Receipts	
b. Cash Disbursements	
c. Cash on Hand (line a minus b)	

(Use lines d-o for single grant reporting)

Federal Expenditures and Unobligated Balance:	
d. Total Federal funds authorized	\$8,241,000.00
e. Federal share of expenditures	\$3,911,604.04
f. Federal share of unliquidated obligations	\$0.00
g. Total Federal share (sum of lines e and f)	\$3,911,604.04
h. Unobligated balance of Federal funds (line d minus g)	\$4,329,395.96

Recipient Share:	
i. Total recipient share required	\$1,267,091.48
j. Recipient share of expenditures	\$1,267,091.48
k. Remaining recipient share to be provided (line i minus j)	\$0.00

Program Income:	
l. Total Federal program income earned	
m. Program income expended in accordance with the deduction alternative	
n. Program income expended in accordance with the addition alternative	
o. Unexpended program income (line l minus line m or line n)	

11. Indirect Expense	a. Type	b. Rate	c. Period From	Period To	d. Base	e. Amount Charged	f. Federal Share
	Predetermined	42.57%	7/1/2016	6/30/2017		-\$27,000.00	-\$11,493.90
Predetermined	49.95%	7/1/2017	6/30/2018		\$700,058.13	\$349,679.04	\$349,679.04
						\$0.00	\$0.00
g. Totals:					-\$27,000.00	\$338,185.14	\$338,185.14

12. Remarks: Attach any explanations deemed necessary or information required by Federal sponsoring agency in compliance with governing legislation:

13. Certification: By signing this report, I certify that it is true, complete, and accurate to the best of my knowledge. I am aware that any false, fictitious, or fraudulent information may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)

a. Typed or Printed Name and Title of Authorized Certifying Official Report prepared by: Huyen Hoang Warren D. Keefer, Chief Operating Officer West Virginia Department of Health and Human Resources	c. Telephone (Area code, number and extension) <div style="text-align: center;">304-558-3378</div> d. Email address <div style="text-align: center;">larry.e.easter@wv.gov</div> e. Date Report Submitted (Month, Day, Year) <div style="text-align: center;">August 3, 2018</div>
b. Signature of Authorized Certifying Official	14. Agency use only: Standard Form 425 OMB Approval Number: 0348-0061 Expiration Date: 10/31/2011

Paperwork Burden Statement
 According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is 0348-0061. Public reporting burden for this collection of information is estimated to average 1.5 hours per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0061), Washington, DC 20503.

SAFE DRINKING WATER
 DRINKING WATER REVOLVING GRANT DWSA & SFDW EY2017
 7/01/2017 THROUGH 06/30/2018

	3044		3045		3046		3047		3048		TOTALS	3034 Technical Assistance Set Aside State Only	GRAND TOTALS
	Local Assistance Set Aside 15 %	State Program Management Set Aside 10 %	Administration Set Aside 4 %	Technical Assistance Set Aside 2 %	WDA SRF Project Fund								
Expenditures	265,139.19	1,431,170.84	180,822.78	38,615.57	2,849,838.00						4,765,586.38	16,686.48	4,782,272.86
Indirect	46,986.86	226,005.15	65,193.13	0.00	0.00						338,185.14	0.00	338,185.14
In-Kind Services †	74,924.00	0.00	0.00	0.00	0.00						74,924.00	0.00	74,924.00
Total Expenditures	387,050.05	1,657,175.99	246,015.91	38,615.57	2,849,838.00						5,178,695.52	16,686.48	5,195,382.00
	Federal	387,050.05	1,051,027.51	246,015.91	38,615.57	2,188,895.00					3,911,604.04	0.00	3,911,604.04
	State	606,148.48	450,075.99			660,943.00					1,267,091.48	16,686.48	1,283,777.96
	†† 1993 PWSS												

† In-Kind Assistance are funds the EPA withdrew so they may obtain services, on our behalf, with an existing EPA vendor to conduct the Administration Set Aside activities.

†† In the grant application, WV utilized \$183,700 of the 1993 Public Water System Supervision (PWSS) expenditure

SAFE DRINKING WATER
DRINKING WATER REVOLVING GRANT DWSA & SFDW EY2017
07/01/2017 THROUGH 06/30/2024

	3044			3045		3046		3047		3048		TOTALS	3034	GRAND TOTALS
	Local Assistance Set Aside 15 %	State Program Management Set Aside 10 %	Administration Set Aside 4 %	Technical Assistance Set Aside 2 %	WDA SRF Project Fund									
Expenditures	265,139.19	1,431,170.84	180,822.78	38,615.57	2,849,838.00	4,765,586.38						4,765,586.38	16,686.48	4,782,272.86
Indirect	46,986.86	226,005.15	65,193.13	0.00	0.00	338,185.14						338,185.14	0.00	338,185.14
In-Kind Services †	74,924.00	0.00	0.00	0.00	0.00	74,924.00						74,924.00	0.00	74,924.00
Total Expenditures	387,050.05	1,657,175.99	246,015.91	38,615.57	2,849,838.00	5,178,695.52						5,178,695.52	16,686.48	5,195,382.00
Federal State	387,050.05	1,051,027.51	246,015.91	38,615.57	2,188,895.00	3,911,604.04						3,911,604.04	0.00	3,911,604.04
†† 1993 PWSS	606,148.48				660,943.00	1,267,091.48						1,267,091.48	16,686.48	1,283,777.96
Overmatch credit		<u>450,075.99</u>												
		<u>1,056,224.47</u>												
†	In-Kind Assistance are funds the EPA withdrew so they may obtain services, on our behalf, with an existing EPA vendor to conduct the Administration Set Aside activities.													
††	In the grant application, WV utilized \$183,700 of the 1993 Public Water System Supervision (PWSS) expenditure overmatch credit as a state matching item for the 10% Program Management Set-Aside allowed under 40CFR 35.3535(d)(2)(ii). This amount equates to 12.423074322% of the total costs for the program.													
Expenditures														
OASIS as of 6/30/2018	312,126.05	1,657,175.99	246,015.91	38,615.57	2,188,894.00	4,442,827.52						4,442,827.52	16,686.48	4,459,514.00
OASIS as of 6/30/2017	0.00	0.00	0.00	0.00	0.00	0.00						0.00	0.00	0.00
SFY 2017 current activity	312,126.05	1,657,175.99	246,015.91	38,615.57	2,188,894.00	4,442,827.52						4,442,827.52	16,686.48	4,459,514.00
Indirect														
OASIS as of 6/30/2018	46,986.86	226,005.15	65,193.13	0.00	0.00	338,185.14						338,185.14	0.00	338,185.14
OASIS as of 6/30/2017	0.00	0.00	0.00	0.00	0.00	0.00						0.00	0.00	0.00
SFY 2017 current activity	46,986.86	226,005.15	65,193.13	0.00	0.00	338,185.14						338,185.14	0.00	338,185.14

**SAFE DRINKING WATER
DRINKING WATER REVOLVING GRANT SFDW EY2017
07/01/2017 THROUGH 06/30/2024**

PROJECT	PROJECT #	TOTAL	FEDERAL	STATE
Fenwick Mountain PSD (A)	14DWTRFA001	\$3,000.00	\$2,304.00	\$696.00
Page-Kincaid PSD (A)	14DWTRFA004	\$6,171.00	\$4,740.00	\$1,431.00
Page-Kincaid PSD (B)	14DWTRFA004	\$37,397.00	\$28,724.00	\$8,673.00
City of Welch WTP Upgrade	14DWTRFA007	\$17,878.00	\$13,732.00	\$4,146.00
Clay Battelle PSD (B)	14DWTRFA003	\$167,739.00	\$128,837.00	\$38,902.00
Cowen PSD (Erbacon)	14DWTRFA005	\$215,523.00	\$165,539.00	\$49,984.00
Claywood Park PSD (A)	15DWTRFA002	\$226,888.00	\$174,267.00	\$52,621.00
Claywood Park PSD (B)	15DWTRFA002	\$139,650.00	\$107,262.00	\$32,388.00
River Road PSD	15DWTRFA005	\$190,183.00	\$146,075.00	\$44,108.00
Lubeck PSD (A)	15DWTRFA007	\$118,583.00	\$91,081.00	\$27,502.00
Lubeck PSD (B)	15DWTRFA007	\$46,053.00	\$35,372.00	\$10,681.00
City of Weirton	16DWTRFA009	\$896,020.00	\$688,212.00	\$207,808.00
Preston County PSD #4	16DWTRFA008	\$713,929.00	\$548,352.00	\$165,577.00
Town of Oceana	17DWTRFB009D	\$70,824.00	\$54,398.00	\$16,426.00

APPENDIX C

Report On Cash Draws for Payments and Disbursements,
DBE Spending, and Binding Commitments

APPENDIX C-1: DWTRF Grant Invoice Payments

APPENDIX C-2: Set Aside Disbursements

APPENDIX C-3: Disadvantaged Business Enterprise Table

APPENDIX C-4: DHHR Commitment Report/Sub-Recipient Obligations

Appendix C-1: DWTRF Grant Invoice Payments for SFY 2018

2017 Grant/Repayment Project Disbursements	Project #	Invoice #	Invoice Amount	Federal Share	State Share	Repayment	Amount Paid	Transfer Date
Oakland PSD	11DWTRFA012	25	\$2,010.00	\$0.00	\$0.00	\$2,010.00	\$2,010.00	10/2/2017
Construction Loan	2008W-1039						\$0.00	
Original Loan Amount	\$3,014,455						\$0.00	
Grant Starting Amount	\$148,318						\$0.00	
Undisbursed Funds	\$146,308						\$0.00	
Base Loan (A) (0% +1%Admin, 30yrs)							\$0.00	
							\$0.00	
Total			\$2,010.00	\$0.00	\$0.00	\$2,010.00	\$2,010.00	
Preston County PSD #4	11DWTRFA004	33	\$1,537.01	\$0.00	\$0.00	\$1,537.00	\$1,537.00	9/5/2017
Construction Loan	2011W-1258						\$0.00	
Original Loan Amount	\$3,903,853						\$0.00	
Grant Starting Amount	\$1,537						\$0.00	
Undisbursed Funds	\$0.00						\$0.00	
Base Loan (A) (0.5% +0.5%Admin, 30yrs)							\$0.00	
							\$0.00	
Total			\$1,537.01	\$0.00	\$0.00	\$1,537.00	\$1,537.00	
Fenwick Mountain PSD	14DWTRFA001	21	\$3,000.00	\$2,304.00	\$696.00	\$0.00	\$3,000.00	3/27/2018
Construction Loan	2013W-1421	22	\$54,319.06	\$0.00	\$0.00	\$54,319.00	\$54,319.00	4/9/2018
Original Loan Amount	\$1,059,000						\$0.00	
Grant Starting Amount	\$57,319						\$0.00	
Undisbursed Funds	\$0						\$0.00	
Base Loan (A) (0.5% + 0.5% Admin, 30yrs)							\$0.00	
							\$0.00	
Total			\$57,319.06	\$2,304.00	\$696.00	\$54,319.00	\$57,319.00	
Page-Kincaid PSD	14DWTRFA004	15	\$11,070.00	\$0.00	\$0.00	\$11,070.00	\$11,070.00	8/18/2017
Construction Loan	2012W-1378	16	\$6,171.86	\$4,740.00	\$1,431.00	\$0.00	\$6,171.00	12/6/2017
Original Loan Amount	\$600,000						\$0.00	
Grant Starting Amount	\$17,241						\$0.00	
Undisbursed Funds	\$0						\$0.00	
Base Loan (A) (0.5% + 0.5% Admin, 30yrs)							\$0.00	
							\$0.00	
Total			\$17,241.86	\$4,740.00	\$1,431.00	\$11,070.00	\$17,241.00	
Page-Kincaid PSD	14DWTRFA004	9	\$4,937.10	\$0.00	\$0.00	\$4,937.00	\$4,937.00	8/18/2017
Construction Loan	2012W-1378	10	\$1,429.31	\$1,098.00	\$331.00	\$0.00	\$1,429.00	9/21/2017
Original Loan Amount	\$750,000	11	\$21,904.00	\$16,824.00	\$5,080.00	\$0.00	\$21,904.00	10/17/2017
Grant Starting Amount	\$42,334	12	\$14,064.05	\$10,802.00	\$3,262.00	\$0.00	\$14,064.00	12/6/2017
Undisbursed Funds	\$0						\$0.00	
Base Loan (B) (Principal Forgiveness)							\$0.00	
							\$0.00	
Total			\$42,334.46	\$28,724.00	\$8,673.00	\$4,937.00	\$42,334.00	
Huttonsville PSD	11DWTRFA016						\$0.00	
Construction Loan	2014W-1541						\$0.00	
Original Loan Amount	\$3,655,500						\$0.00	
Grant Starting Amount	\$9,515						\$0.00	
Undisbursed Funds	\$9,515						\$0.00	
Base Loan (A) (0% +1%Admin, 30yrs)							\$0.00	
							\$0.00	
Total			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
City of Welch WTP Upgrade	14DWTRFA007	24	\$6,363.43	\$0.00	\$0.00	\$6,364	\$6,364	7/13/2017
Construction Loan	2013W-1446	25	\$18,738.78	\$0.00	\$0.00	\$18,738.00	\$18,738.00	8/4/2017
Original Loan Amount	\$3,540,088	26	\$687.31	\$0.00	\$0.00	\$688.00	\$688.00	9/12/2017
Grant Starting Amount	\$44,263	27	\$2,360.58	\$1,813.00	\$547.00	\$0.00	\$2,360.00	10/5/2017
Undisbursed Funds	\$595	28	\$11,822.06	\$9,080.00	\$2,742.00	\$0.00	\$11,822.00	11/9/2017
Base Loan (A Bonds 0.5%, 30 yr, 0.5% admin)		29	\$1,264.25	\$971.00	\$294.00	\$0.00	\$1,265.00	1/25/2018
		30	\$2,261.65	\$1,737.00	\$524.00	\$0.00	\$2,261.00	2/8/2018
		31	\$170.07	\$131.00	\$39.00	\$0.00	\$170.00	3/15/2018
							\$0.00	
Total			\$43,668.13	\$13,732.00	\$4,146.00	\$25,790.00	\$43,668.00	
Clay Battelle PSD	14DWTRFA003	19	\$3,475.00	\$0.00	\$0.00	\$3,475	\$3,475	8/8/2017
Construction Loan	2013W-1399	20	\$63,475.43	\$0.00	\$0.00	\$63,475.00	\$63,475.00	9/19/2017
Original Loan Amount	\$3,879,958	21	\$99,936.00	\$76,759.00	\$23,177.00	\$0.00	\$99,936.00	11/9/2017
Grant Starting Amount	\$234,689	22	\$67,803.46	\$52,078.00	\$15,725.00	\$0.00	\$67,803.00	
Undisbursed Funds	\$0						\$0.00	
Base Loan (B Bonds 0.5%, 30 yr, 0.5% admin)							\$0.00	

Appendix C-1: DWTRF Grant Invoice Payments for SFY 2018

2017 Grant/Repayment Project Disbursements	Project #	Invoice #	Invoice Amount	Federal Share	State Share	Repayment	Amount Paid	Transfer Date
							\$0.00	
	Total		\$234,689.89	\$128,837.00	\$38,902.00	\$66,950	\$234,689	
Wilderness PSD	14DWTRFA009	28	\$7,063.59	\$0.00	\$0.00	\$7,064.00	\$7,064	7/19/2017
Construction Loan	2012W-1375	29	\$438.99	\$0.00	\$0.00	\$438.00	\$438.00	7/19/2017
Original Loan Amount	\$1,905,856						\$0.00	
Grant Starting Amount	\$7,502						\$0.00	
Undisbursed Funds	\$0						\$0.00	
Base Loan (A) (0.5% + 0.5% Admin, 30yrs)							\$0.00	
	Total		\$7,502.58	\$0.00	\$0.00	7,502.00	\$7,502	
Town of Hartford	15DWTRFA008D	9	\$13,058.30	\$0.00	\$0.00	\$13,058.00	\$13,058	7/17/2017
Design Loan	2014W-1539	10	\$11,008.00	\$0.00	\$0.00	\$11,008.00	\$11,008.00	10/2/2017
Original Loan Amount	\$207,136	11	\$2,452.50	\$0.00	\$0.00	\$2,453.00	\$2,453.00	3/1/2018
Grant Starting Amount	\$36,306	12	\$9,787.70	\$0.00	\$0.00	\$9,787.00	\$9,787.00	5/25/2018
Undisbursed Funds	\$0						\$0.00	
Design Loan (A) (0.5% + 0.5% Admin, 30yrs)							\$0.00	
	Total		\$36,306.50	\$0.00	\$0.00	\$36,306	\$36,306	
Town of New Haven	15DWTRFA010D	10	\$1,299.00	\$0.00	\$0.00	\$1,299	\$1,299	7/20/2017
Design Loan	2014W-1540	11	\$6,719.00	\$0.00	\$0.00	\$6,719.00	\$6,719.00	10/2/2017
Original Loan Amount	\$337,415	12	\$6,981.00	\$0.00	\$0.00	\$6,981.00	\$6,981.00	11/1/2017
Grant Starting Amount	\$29,998	13	\$3,200.00	\$0.00	\$0.00	\$3,200.00	\$3,200.00	12/11/2017
Undisbursed Funds	\$0	14	\$7,800.00	\$0.00	\$0.00	\$7,800.00	\$7,800.00	3/2/2018
Design Loan (A) (0.5% + 0.5% Admin, 30yrs)		15	\$4,000.00	\$0.00	\$0.00	\$3,999.00	\$3,999.00	
	Total		\$29,999.00	\$0.00	\$0.00	\$29,998	\$29,998	
Cowen PSD (Erbacon)	14DWTRFA005	17	\$194,637.29	\$0.00	\$0.00	\$194,638.00	\$194,638	8/3/2017
Construction Loan	2012W-1390	18	\$161,072.12	\$0.00	\$0.00	\$161,072.00	\$161,072.00	8/23/2017
Original Loan Amount	\$2,892,500	19	\$171,479.20	\$0.00	\$0.00	\$171,479.00	\$171,479.00	9/15/2017
Grant Starting Amount	\$1,167,231	20	\$142,001.08	\$109,068.00	\$32,933.00	\$0.00	\$142,001.00	10/20/2017
Undisbursed Funds	\$382,767	21	\$67,924.64	\$52,172.00	\$15,753.00	\$0.00	\$67,925.00	12/6/2017
Base Loan (A) (0.5% + 0.5% Admin, 30yrs)		22	\$41,752.37	\$0.00	\$0.00	\$41,752.00	\$41,752.00	12/20/2017
		23	\$5,596.93	\$4,299.00	\$1,298.00	\$0.00	\$5,597.00	1/16/2018
							\$0.00	
							\$0.00	
							\$0.00	
	Total		\$784,463.63	\$165,539.00	\$49,984.00	\$568,941	\$784,464	
Claywood Park PSD	15DWTRFA002	14	\$12,107.16	\$0.00	\$0.00	\$12,107	\$12,107	7/27/2017
Construction Loan	2015W-1535	15	\$7,792.43	\$5,985.00	\$1,808.00	\$0.00	\$7,793.00	10/20/2017
Original Loan Amount	\$4,343,944	16	\$72,531.16	\$55,709.00	\$16,822.00	\$0.00	\$72,531.00	11/30/2017
Grant Starting Amount	\$318,008	17	\$62,802.68	\$48,238.00	\$14,565.00	\$0.00	\$62,803.00	3/2/2018
Undisbursed Funds	\$79,013	18	\$83,760.75	\$64,335.00	\$19,426.00	\$0.00	\$83,761.00	3/23/2018
Base Loan (A) (0.5% + 0.5% Admin, 30yrs)							\$0.00	
	Total		\$238,994.18	\$174,267.00	\$52,621.00	\$12,107	\$238,995	
Claywood Park PSD	15DWTRFA002	3	\$133,895.70	\$0.00	\$0.00	\$133,896	\$133,896	7/27/2017
Construction Loan	2015W-1535	4	\$97,291.29	\$74,727.00	\$22,564.00	\$0.00	\$97,291.00	10/20/2017
Original Loan Amount	\$700,000	5	\$42,359.00	\$32,535.00	\$9,824.00	\$0.00	\$42,359.00	5/4/2018
Grant Starting Amount	\$283,970						\$0.00	
Undisbursed Funds	\$10,424						\$0.00	
Base Loan (B) (Principal Forgiveness)							\$0.00	
	Total		\$273,545.99	\$107,262.00	\$32,388.00	\$133,896	\$273,546	
Town of Mason	15DWTRFA011	13	\$45,089.30	\$0.00	\$0.00	\$45,089.00	\$45,089	8/18/2017
Construction Loan	2014W-1552	14	\$111,363.65	\$0.00	\$0.00	\$111,364.00	\$111,364.00	8/30/2017
Original Loan Amount	\$2,291,493	15	\$14,612.43	\$0.00	\$0.00	\$14,612.00	\$14,612.00	2/9/2018
Grant Starting Amount	\$293,266						\$0.00	
Undisbursed Funds	\$122,201						\$0.00	
Base Loan (A) (0.5% + 0.5% Admin, 30yrs)							\$0.00	
	Total		\$171,065.38	\$0.00	\$0.00	\$171,065	\$171,065	
River Road PSD	16DWTRFA005	13	\$39,225.53	\$0.00	\$0.00	\$39,225.00	\$39,225.00	7/18/2017
Construction Loan	2015W-1565	14	\$150,816.27	\$0.00	\$0.00	\$150,816.00	\$150,816.00	9/5/2017
Original Loan Amount	\$2,546,000	15	\$78,519.71	\$60,309.00	\$18,211.00	\$0.00	\$78,520.00	10/5/2017

Appendix C-1: DWTRF Grant Invoice Payments for SFY 2018

2017 Grant/Repayment Project Disbursements	Project #	Invoice #	Invoice Amount	Federal Share	State Share	Repayment	Amount Paid	Transfer Date
Grant Starting Amount	\$463,977	16	\$69,720.10	\$53,551.00	\$16,169.00	\$0.00	\$69,720.00	11/21/2017
Undisbursed Funds	\$0	17	\$62,738.06	\$0.00	\$0.00	\$62,738.00	\$62,738.00	12/20/2017
Base Loan (A) (0.5% + 0.5% Admin, 30yrs)		18	\$28,958.09	\$22,242.00	\$6,716.00	\$0.00	\$28,958.00	2/2/2018
		19	\$7,985.00	\$6,133.00	\$1,852.00	\$0.00	\$7,985.00	3/2/2018
		20	\$5,000.00	\$3,840.00	\$1,160.00	\$0.00	\$5,000.00	5/4/2018
		21	\$21,015.14	\$0.00	\$0.00	\$21,015.00	\$21,015.00	
						\$0.00	\$0.00	
Total			\$463,977.90	\$146,075.00	\$44,108.00	\$273,794	\$463,977	
Lubeck PSD	15DWTRFA007	9	\$58,295.06	\$0.00	\$0.00	\$58,295.00	\$58,295.00	7/20/2017
Construction Loan	2013W-1462	10	\$26,517.11	\$0.00	\$0.00	\$26,517.00	\$26,517.00	8/18/2017
Original Loan Amount	\$3,273,000	11	\$8,625.24	\$6,624.00	\$2,001.00	\$0.00	\$8,625.00	10/23/2017
Grant Starting Amount	\$481,752	12	\$11,742.04	\$9,019.00	\$2,723.00	\$0.00	\$11,742.00	12/15/2017
Undisbursed Funds	\$278,357	13	\$5,866.26	\$4,507.00	\$1,360.00	\$0.00	\$5,867.00	1/23/2018
Base Loan (A) (0.5% , 30yrs)		14	\$68,335.81	\$52,486.00	\$15,849.00	\$0.00	\$68,335.00	2/2/2018
		15	\$6,357.82	\$4,884.00	\$1,474.00	\$0.00	\$6,358.00	4/3/2018
		16	\$3,850.33	\$2,957.00	\$893.00	\$0.00	\$3,850.00	4/23/2018
		17	\$13,805.18	\$10,604.00	\$3,202.00	\$0.00	\$13,806.00	5/25/2018
						\$0.00	\$0.00	
Total			\$203,394.85	\$91,081.00	\$27,502.00	\$84,812	\$203,395	
Lubeck PSD	15DWTRFA007	2	\$133,408.63	\$0.00	\$0.00	\$133,409.00	\$133,409.00	7/30/2017
Construction Loan	2013W-1462	3	\$158,632.17	\$0.00	\$0.00	\$158,632.00	\$158,632.00	8/18/2017
Original Loan Amount	\$407,367	4	\$46,053.62	\$35,372.00	\$10,681.00	\$0.00	\$46,053.00	2/22/2018
Grant Starting Amount	\$402,736						\$0.00	
Undisbursed Funds	\$64,642						\$0.00	
Base Loan (B) (Principal Forgiveness)							\$0.00	
							\$0.00	
Total			\$338,094.42	\$35,372.00	\$10,681.00	\$292,041	\$338,094	
City of Weirton	16DWTRFA009	8	\$964,439.73	\$0.00	\$0.00	\$964,439.00	\$964,439.00	7/24/2017
Construction Loan	2015W-1580	9	\$573,396.12	\$0.00	\$0.00	\$573,397.00	\$573,397.00	8/23/2017
Original Loan Amount	\$4,000,000	10	\$456,059.47	\$350,288.00	\$105,771.00	\$0.00	\$456,059.00	10/5/2017
Grant Starting Amount	\$2,759,216	11	\$301,257.65	\$231,390.00	\$69,868.00	\$0.00	\$301,258.00	10/23/2017
Undisbursed Funds	\$278,391	12	\$138,703.13	\$106,534.00	\$32,169.00	\$0.00	\$138,703.00	12/6/2017
Base Loan (B) (2.5% + 0.5% Admin, 20yrs)		13	\$46,968.67	\$0.00	\$0.00	\$46,969.00	\$46,969.00	12/20/2017
						\$0.00	\$0.00	
Total			\$2,480,824.77	\$688,212.00	\$207,808.00	\$1,584,805	\$2,480,825	
Preston County PSD #4 - Hudson	16DWTRFA008	5	\$54,291.19	\$0.00	\$0.00	\$54,291.00	\$54,291.00	8/3/2017
Construction Loan	2015W-1586	6	\$2,560.00	\$0.00	\$0.00	\$2,560.00	\$2,560.00	9/5/2017
Original Loan Amount	\$1,932,071	7	\$54,022.38	\$41,493.00	\$12,529.00	\$0.00	\$54,022.00	10/17/2017
Loan Starting Amount	\$1,435,957	8	\$47,020.59	\$36,116.00	\$10,905.00	\$0.00	\$47,021.00	11/3/2017
Undisbursed Funds	\$665,177.00	9	\$164,778.06	\$126,562.00	\$38,216.00	\$0.00	\$164,778.00	1/23/2018
Base Loan (A) (2.5% +0.5%Admin, 20yrs)		10	\$164,260.42	\$126,164.00	\$38,096.00	\$0.00	\$164,260.00	2/2/2018
		11	\$121,394.23	\$93,240.00	\$28,154.00	\$0.00	\$121,394.00	4/5/2018
		12	\$162,453.82	\$124,777.00	\$37,677.00	\$0.00	\$162,454.00	5/25/2018
						\$0.00	\$0.00	
Total			\$770,780.69	\$548,352.00	\$165,577.00	\$56,851.00	\$770,780.00	
Town of Oceana	17DWTRFB008D	1	\$46,428.00	\$0.00	\$0.00	\$46,428.00	\$46,428.00	12/6/2017
Design Loan	2017W-1675	2	\$6,430.78	\$4,939.00	\$1,492.00	\$0.00	\$6,431.00	3/23/2018
Original Loan Amount	\$300,000	3	\$64,392.50	\$49,459.00	\$14,934.00	\$0.00	\$64,393.00	5/29/2018
Grant Starting Amount	\$300,000						\$0.00	
Undisbursed Funds	\$182,748						\$0.00	
Design Loan (B) (0.75% + 0.5% Admin, 30yrs)							\$0.00	
							\$0.00	
Total			\$117,251.28	\$54,398.00	\$16,426.00	\$46,428	\$117,252	
Chapmanville, Town of	16DWTRFA007	1	\$24,600.00	\$0.00	\$0.00	\$24,600.00	\$24,600.00	5/31/2018
Construction Loan	2013W-1440						\$0.00	
Original Loan Amount	\$984,000						\$0.00	
Loan Starting Amount	\$984,000						\$0.00	
Undisbursed Funds	\$959,400						\$0.00	
Base Loan (A) (0.5% + 0.5% Admin, 30yrs)							\$0.00	
							\$0.00	
Total			\$24,600.00	\$0.00	\$0.00	\$24,600	\$24,600	
Greenbrier PSD #2	16DWTRFA003	1	\$150,375.00	\$0.00	\$0.00	\$150,375.00	\$150,375.00	5/31/2018
Construction Loan	2014W-1533	2	\$1,156.88			\$1,157.00	\$1,157.00	
Original Loan Amount	\$6,015,000						\$0.00	
Loan Starting Amount	\$6,015,000						\$0.00	
Undisbursed Funds	\$5,863,468						\$0.00	
Base Loan (A) (0.5% + 0.5% Admin, 30yrs)							\$0.00	

Appendix C-1: DWTRF Grant Invoice Payments for SFY 2018

2017 Grant/Repayment Project Disbursements	Project #	Invoice #	Invoice Amount	Federal Share	State Share	Repayment	Amount Paid	Transfer Date
							\$0.00	
	Total		\$151,531.88	\$0.00	\$0.00	\$151,532	\$151,532	
Greenbrier PSD #2	16DWTRFA003	1					\$0.00	
Construction Loan	2014W-1533						\$0.00	
Original Loan Amount	\$1,200,000						\$0.00	
Loan Starting Amount	\$1,200,000						\$0.00	
Undisbursed Funds	\$1,200,000						\$0.00	
Base Loan (B) (Principal Forgiveness)							\$0.00	
							\$0.00	
	Total		\$0.00	\$0.00	\$0.00	\$0	\$0	
Town of Hartford	15DWTRFA008	1	\$150,748.84	\$0.00	\$0.00	\$150,749.00	\$150,749	
Construction Loan	2014W-1539						\$0.00	
Original Loan Amount	\$1,425,864						\$0.00	
Grant Starting Amount	\$1,425,864						\$0.00	
Undisbursed Funds	\$1,275,115						\$0.00	
Base Loan (2018 A) (0.5% + 0.5% Admin, 30yrs)							\$0.00	
							\$0.00	
	Total		\$150,748.84	\$0.00	\$0.00	\$150,749	\$150,749	
Town of Hartford	15DWTRFA008	1					\$0	
Principal Forgiveness	2014W-1539						\$0.00	
Original Loan Amount	\$797,000						\$0.00	
Grant Starting Amount	\$797,000						\$0.00	
Undisbursed Funds	\$797,000						\$0.00	
Principal Forgiveness (2018 B)							\$0.00	
							\$0.00	
	Total		\$0.00	\$0.00	\$0.00	\$0	\$0	
Town of New Haven	17DWTRFA009	1	\$384,885.21	\$0.00	\$0.00	\$384,886.00	\$384,886	
Construction Loan	2014W-1540						\$0.00	
Original Loan Amount	\$5,456,585						\$0.00	
Grant Starting Amount	\$5,456,585						\$0.00	
Undisbursed Funds	\$5,071,699						\$0.00	
Base Loan (2018 A) (0.5% + 0.5% Admin, 30yrs)							\$0.00	
							\$0.00	
	Total		\$384,885.21	\$0.00	\$0.00	\$384,886	\$384,886	
Town of New Haven	17DWTRFA009	1					\$0	
Principal Forgiveness	2014W-1540						\$0.00	
Original Loan Amount	\$1,000,000						\$0.00	
Grant Starting Amount	\$1,000,000						\$0.00	
Undisbursed Funds	\$1,000,000						\$0.00	
Principal Forgiveness (2018 B)							\$0.00	
							\$0.00	
	Total		\$0.00	\$0.00	\$0.00	\$0	\$0	
Tomlinson PSD	18DWTRFA010D	1	\$91,525.24	\$0.00	\$0.00	\$91,526	\$91,526	
Design Loan	2018W-1731						\$0.00	
Original Loan Amount	\$500,000						\$0.00	
Grant Starting Amount	\$500,000						\$0.00	
Undisbursed Funds	\$408,474						\$0.00	
Design Loan (A) (0.75% + 0.5% Admin, 30yrs)							\$0.00	
							\$0.00	
	Total		\$91,525.24	\$0.00	\$0.00	\$91,526	\$91,526	
GRANT TOTALS			\$7,118,292.75	\$2,188,895.00	\$660,943.00	\$4,268,452.00	\$7,118,290.00	
Prior Year's Disbursements				\$146,564,433.00	\$34,889,557.00	\$38,778,176.02	\$220,232,166.02	
Cumulative Disbursements				\$148,753,328.00	\$35,550,500.00	\$43,046,628.02	\$227,350,456.02	

APPENDIX C-2 - SET-ASIDE DISBURSEMENTS

20419	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY 11 In-Kind Service	100,000.00	25,542.00	224,458.00	0.00	350,000.00
FY12	3,378.20	305,857.52	0.00	0.00	309,235.72
FY13	\$1,111,209.78	\$1,065,226.22	\$56,409.83	\$26,727.10	\$2,259,572.93
FY14	\$139,015.74	\$180,063.67	\$89,814.62	\$147,137.65	\$556,031.68
FY15	\$36,596.28	\$47,134.45	\$5.27	\$11,495.25	\$95,231.25
FY16	\$0.00	\$2,976.14	\$32.28	\$0.00	\$3,008.42
TOTAL	\$1,290,200.00	\$1,601,258.00	\$146,262.00	\$185,360.00	\$3,223,080.00

21890	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY 12 In-Kind Service	20,000.00	0.00	125,000.00	0.00	145,000.00
FY13	136.24	121,591.49	72,493.21	0.00	194,220.94
FY14	\$1,107,053.09	\$961,366.34	\$154,458.35	\$25,327.84	\$2,248,205.62
FY15	\$104,267.30	\$506,911.14	-\$127.48	\$154,172.16	\$765,223.12
FY16	\$114,793.37	\$7,381.67	\$7,175.92	\$0.00	\$129,350.96
FY17	\$0.00	\$249.36	\$0.00	\$0.00	\$249.36
TOTAL	\$1,326,250.00	\$1,597,500.00	\$234,000.00	\$179,500.00	\$3,337,250.00

22849	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY 13 In-Kind Service	0.00	0.00	175,000.00	0.00	175,000.00
FY14	6,063.05	8,122.87	148,816.62	0.00	163,002.54
FY15	\$839,806.17	\$723,619.08	\$13,023.38	\$23,332.59	\$1,599,781.22
FY16	\$398,491.97	\$806,689.94	\$0.00	\$145,087.41	\$1,350,269.32
FY17	\$18,788.81	\$3,668.11	\$0.00	\$0.00	\$22,456.92
					\$0.00
TOTAL	\$1,263,150.00	\$1,542,100.00	\$161,840.00	\$168,420.00	\$3,135,510.00

EY2014	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY 14 In-Kind Service	\$600,000.00				\$600,000.00
FY15	\$175,808.13	\$288,228.66	\$235,585.90	\$0.00	\$699,622.69
FY16	\$436,631.87	\$517,461.13	\$117,519.54	\$88,450.00	\$1,160,062.54
FY17	\$114,310.00	\$78,810.21	\$694.56	\$0.00	\$193,814.77
					\$0.00
					\$0.00
TOTAL	\$726,750.00	\$884,500.00	\$353,800.00	\$88,450.00	\$2,053,500.00

EY2015	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY 15 In-Kind Service	491,300.00				491,300.00
FY16	241,046.68	336,226.48	164,269.57	26,923.67	768,466.40
FY17	\$562,786.52	\$538,093.81	\$181,315.11	\$60,946.33	\$1,343,141.77
FY18	\$22,916.80	\$4,379.71	\$5,895.32	\$0.00	\$33,191.83
					\$0.00
					\$0.00
TOTAL	\$826,750.00	\$878,700.00	\$351,480.00	\$87,870.00	\$2,144,800.00

EY2016	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY 16 In-Kind Service					0.00
FY17	195,245.78	1,109,162.92	162,060.65	96,553.67	1,563,023.02
FY18	\$836,731.18	\$383,344.54	\$87,939.35	\$138,446.33	\$1,446,461.40
					\$0.00
					\$0.00
TOTAL	\$1,031,976.96	\$1,492,507.46	\$250,000.00	\$235,000.00	\$3,009,484.42

APPENDIX C-2 - SET-ASIDE DISBURSEMENTS

EY2017	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY 17 In-Kind Service					0.00
FY17	347,441.78	1,695,081.54	247,190.64	38,615.57	2,328,329.53
FY18					\$0.00
					\$0.00
					\$0.00
					\$0.00
TOTAL	\$347,441.78	\$1,695,081.54	\$247,190.64	\$38,615.57	\$2,328,329.53
Annual Summary	15% Local Assistance	10% State Program Management	4% Administration	2% Technical Assistance	TOTAL
FY99	\$188,416.86	\$144,722.56	\$17,556.28	\$112,289.76	\$462,985.46
FY00	\$297,993.93	\$861,031.91	\$110,971.88	\$247,205.26	\$1,517,202.98
FY01	\$413,014.89	\$973,077.20	\$318,588.26	\$168,760.00	\$1,873,440.35
FY02	\$957,156.97	\$968,224.10	\$237,640.00	\$153,901.30	\$2,316,922.37
FY03	\$1,107,979.46	\$1,281,348.19	\$295,765.79	\$53,687.84	\$2,738,781.28
FY04	\$481,094.91	\$1,560,354.40	\$359,504.85	\$175,801.44	\$2,576,755.60
FY05	\$436,304.95	\$1,275,756.12	\$246,135.00	\$180,111.67	\$2,138,307.74
FY06	\$847,223.24	\$1,077,127.30	\$233,409.50	\$161,483.01	\$2,319,243.05
FY07	\$986,555.79	\$913,044.63	\$253,389.69	\$155,759.36	\$2,308,749.47
FY08	\$1,154,174.48	\$1,227,664.31	\$185,769.04	\$155,819.52	\$2,723,427.35
FY09	\$1,384,277.80	\$1,645,701.51	\$235,024.38	\$164,578.00	\$3,429,581.69
FY10	\$2,107,952.20	\$2,296,670.82	\$277,979.40	\$164,993.28	\$4,847,595.70
FY11	\$2,223,153.37	\$2,751,673.48	\$368,621.04	\$174,024.53	\$5,517,472.42
FY12	\$2,304,169.76	\$2,022,846.49	\$375,435.58	\$182,080.13	\$4,884,531.96
FY13	\$1,388,833.16	\$1,437,356.87	\$534,356.70	\$197,123.00	\$3,557,669.73
FY14	\$1,270,342.29	\$1,291,996.46	\$474,676.78	\$172,465.49	\$3,209,481.02
FY15	\$1,156,620.92	\$1,568,203.30	\$248,512.53	\$189,000.00	\$3,162,336.75
FY16	\$1,190,963.89	\$1,670,735.36	\$288,997.31	\$260,461.08	\$3,411,157.64
FY17	\$891,131.11	\$1,729,984.41	\$344,070.32	\$157,500.00	\$3,122,685.84
FY18	\$1,207,089.76	\$2,082,805.79	\$341,025.31	\$177,061.90	\$3,807,982.76
TOTAL	\$21,994,449.74	\$28,780,325.21	\$5,747,429.64	\$3,404,106.57	\$59,926,311.16

UNIT 3780 AND 3781 ARE MIS UNITS. PERSONNEL WERE MOVE IN FY2015 FROM 3044 TO 3780 AND 3045 TO 3781. THE MIS UNITS ARE STILL UNDER THE 15% AND 10% SET ASIDES. ON THE APPENDIX C-2, UNIT 3780 IS CONSOLIDATED UNDER THE 15% AND UNIT 3781 IS CONSOLIDATED UNDER THE 10%.

APPENDIX C-3: DWSRF DISADVANTAGED BUSINESS ENTERPRISE SUMMARY

SRF Set Aside - October '16 - September '17 Grant	FFY 2017 Annual DBE Report				MBE				WBE					
	Grant Expenses	M/WBE Expenses	Construction C	Equipment E	Services P	Supplies S	Construction C	Equipment E	Services P	Supplies S	Construction C	Equipment E	Services P	Supplies S
21890 (99390012)	\$ 249.36	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
22849 (99390013)	\$ 22,456.92	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2014 SRF grant (99390014)	\$ 193,814.77	\$ 1,320.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,320.00
2015 SRF grant (99390015)	\$ 1,343,141.77	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2016 SRF grant (99390016)	\$ 1,542,574.14	\$ 48,891.83	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,401.00	\$ 12,490.83
2017 SRF grant (99390017)	\$ 271,812.13	\$ 1,664.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,664.00
Total Expenses	\$ 3,374,049.09	\$ 51,875.83	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,401.00	\$ 15,474.83
		Total M/WBE	\$ -											\$ 51,875.83

SRF Loans Closed (FFY Basis) \$ 5,932,071.00
 Total Procurement \$ 9,306,120.09

DWTRE Construction- October '16 - September '17 Recipients	Project	FFY 2017 Annual DBE Report				MBE				WBE					
		Expenses	M/WBE Expenses	Construction C	Equipment E	Services P	Supplies S	Construction C	Equipment E	Services P	Supplies S	Construction C	Equipment E	Services P	Supplies S
None		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenses		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Total M/WBE	\$ -												\$ -

October '16 - September '17	FFY 2017 Annual DBE Report				MBE				WBE					
	Expenses	M/WBE Expenses	Construction C	Equipment E	Services P	Supplies S	Construction C	Equipment E	Services P	Supplies S	Construction C	Equipment E	Services P	Supplies S
	\$ 51,875.83	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,401.00	\$ 15,474.83
Total M/WBE Expenses	\$ 51,875.83	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,401.00	\$ 15,474.83
	Total M/WBE	\$ -												\$ 51,875.83

NOTE: This table is based on the Federal Fiscal Year Time (October To September)

APPENDIX C-4: Set-Aside Commitment Report

Sub-recipient	2% Technical Assistance	4% Administration	10% Program Management	15% Local Assistance	WDA Payments	Grand Total
FS99390015(EY2016)	3047	3046	3045	3044	3034	
Penn Corner Conservancy Charitable Trust				\$6,588.19		
TOTALS	\$0.00	\$0.00	\$0.00	\$6,588.19	\$0.00	\$6,588.19

Sub-recipient	2% Technical Assistance	4% Administration	10% Program Management	15% Local Assistance	WDA Payments	Grand Total
FS99390016(EY2017)	3047	3046	3045	3044	3034	
AT&T Mobility		\$395.37	\$395.37	\$395.37		
Dept. of Administration Bldg. Rent			\$3,985.20			
Environmental Protection				\$50,000.00		
Global Environmental Consulting Inc.				\$70,453.00		
Interstate Comm on Potomac River Basin				\$3,232.04		
Komax LLC			\$190.15	\$384.02		
West Virginia Rural Water Association	\$55,100.00					
West Virginia Water Development Authority					\$10,174.33	
Corporation od Harpers Ferry						
Dept. of Administration Bldg. Rent						
Environmental Protection						
Environmental Systems Research Inc.						
Global Environmental Consulting Inc.						
HP Computers						
Hughes River Water Board						
Interstate Comm on Potomac River Basin						
Kingwood Water Works						
Komax LLC						
Town of Middlebourne						
Town of Monongah						
Town of West Union						
Verzion Wireless						
Weirton Area Water Bord						
West Virginia Ass. Of Rehab. Facilities						
West Virginia Rural Water Association						
TOTALS	\$55,100.00	\$395.37	\$4,570.72	\$124,464.43	\$10,174.33	\$194,704.85

Sub-recipient	2% Technical Assistance	4% Administration	10% Program Management	15% Local Assistance	WDA Payments	Grand Total
	3047	3046	3045	3044	3034	
TOTALS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

	2% Technical Assistance	4% Administration	10% Program Management	15% Local Assistance	WDA Payments	Grand Total
Total For All Grants	\$55,100.00	\$395.37	\$4,570.72	\$131,052.62	\$10,174.33	\$201,293.04

APPENDIX D

Final Water Development Authority (WDA) Audit
Audit Reports (Including Financial Statements)

(Audit Report will be issued at a later date)

APPENDIX E

Annual Reports On Credit Conditions Of Borrowers

Appendix E

The OEHS and the Water Development Authority (WDA) ensure that borrowers have good credit conditions through the use of the following:

- A. Prior to issuance of a DWTRF loan, OEHS performs a capacity development assessment on the potential loan recipient's water system to ensure that it will have adequate technical, managerial, and financial (TMF) capacity. If the assessment shows inadequate capacity, the BPH or other appropriate capacity development stakeholder agency (e.g. WVRWA, WVPSC) either assists the system to achieve adequate capacity as a loan condition or a decision is made to not provide a DWTRF loan unless appropriate capacity is achieved. The WDA also reviews the proposed rates to determine the loan recipient's ability to provide debt service, loan coverage and a 2.5% renewal and replacement payment.
- B. Each project must receive a Certificate of Convenience and Necessity from the PSC before the loan is closed. The PSC reviews the financial conditions of the loan recipient and determines if they can repay the loan under the conditions of the loan agreement.
- C. In accordance with the loan conditions, the WDA/BPH receives monthly financial statements from the borrowers, as well as, annual operating budgets that are reviewed and an assessment made as to whether the borrower is financially sound and in compliance with the loan agreement.
- D. The borrower must provide an annual audit during the period of receiving loan disbursements. If the borrower is a municipality, the maximum that can be paid for private auditing services is \$2,500. A municipality can use the West Virginia State Auditor's Office to audit their system; however, their use has meant past time delays in audit report submittal due to the number of audits the State performs. The Public Service District borrowers do not have the above requirements; however, they seem to also have delays in submitting their audits. The WDA performs a desk review audit (list attached) to determine if there are any discrepancies.

The WDA performs the monitoring the repayment activity of the DWTRF. The monthly reports are received by WDA and BPH and are reviewed. When the required debt service or reserve payments are not made, WDA will send letters to the loan recipients. WDA and BPH have developed procedures for performing a review of the required audits from the borrowers and have since then implemented the reviews.

The mandated maximum limit which can be paid by the loan borrowers to certified public accountants for an audit and the time delays for the state auditor to perform an audit are the primary reasons for the audit delays. OEHS, WDA, and the state auditors are working on a solution to the lack of audits through notification of project substantial completion of construction to all interested parties so that an audit can be done, most likely by the State, in a timely manner.

- E. If there are discrepancies or omissions with any of the borrowers funding information, then the WDA sends a letter reminding the borrower of their commitment.

APPENDIX F

Desk Audit Reviews

APPENDIX F: Desk Audit Reviews

NOTE: AUDIT FY 2017, 1 YEAR IN ARREARS

LGA (Still in Construction during the fiscal year)	Super Circular Audit Required?	Audit Completed	Comments
Claywood Park	Yes	No	
Mason, Town of	Yes	Yes	
Welch	Yes	Yes	

APPENDIX G

Monthly Reports from Loan Recipients

APPENDIX H

Federal Funding Accountability and Transparency Act (FFATA)

**APPENDIX H: FEDERAL FUNDING ACCOUNTABILITY AND
TRANSPARENCY ACT REPORTING**

FS-99390017 DHHR Grant# EY2017			
Welch, City of	14DWTRFA007	A BONDS	13,732.00
Fenwick Mtn PSD	14DWTRFA001	A BONDS	2,304.00
Claywood Park PSD	15DWTRFA002	A BONDS	174,267.00
Claywood Park PSD	15DWTRFA002	B BONDS	107,262.00
Cowen PSD (Erbacon)	14DWTRFA005	A BONDS	165,539.00
Page-Kincaid PSD	14DWTRFA004	B BONDS	28,724.00
Page-Kincaid PSD	14DWTRFA004	A BONDS	4,740.00
Clay Battelle PSD	14DWTRFA003	B BONDS	128,837.00
Preston County PSD #4 - Hudson	16DWTRFA008	A BONDS	548,352.00
Lubeck PSD	15DWTRFA007	A BONDS	91,081.00
Lubeck PSD	15DWTRFA007	B BONDS	35,372.00
City of Weirton	16DWTRFA009	B BONDS	688,212.00
River Road PSD (A)	16DWTRFA005	A BONDS	146,074.00
Town of Oceana	17DWTRFB008D	B BONDS	54,398.00
WV RURAL WATER ASSOCIATION INC	G180607		21,653.67
WV RURAL WATER ASSOCIATION INC	G180167		16,961.90
INTERSTATE COMM ON POTOMAC RIVER BASIN	G180470		3,232.96
ENVIRONMENTAL PROTECTION	G180410		30,000.00
FS-99390016 DHHR Grant# EY2016			
Huttonsville PSD	11DWTRFA016	B BONDS	302,143.00
Welch, City of	14DWTRFA007	A BONDS	770,071.00
Town of Mason	15DWTRFA011	A BONDS	998,744.00
Claywood Park PSD	15DWTRFA002	A BONDS	1,706,510.00
Cowen PSD (Erbacon)	14DWTRFA005	A BONDS	657,641.00
Wilderness PSD (A)	14DWTRFA009	A BONDS	112,717.00
Page-Kincaid PSD	14DWTRFA004	B BONDS	91,403.00
Page-Kincaid PSD	14DWTRFA004	A BONDS	146,892.00
Clay Battelle PSD	14DWTRFA003	B BONDS	301,997.00
Lubeck PSD	15DWTRFA007	A BONDS	524,376.00
River Road PSD (B)	16DWTRFA005	A BONDS	299,877.00
CITY OF FAIRMONT	G170745		20,000.00
WV Department of Environmental Protection	G170400		40,000.00
WV Department of Environmental Protection	G170736		40,000.00
WV RURAL WATER ASSOCIATION INC	G170498		36,011.08
WV RURAL WATER ASSOCIATION INC	G170518		163,415.57
WV RURAL WATER ASSOCIATION INC	G170743		955.56
WV RURAL WATER ASSOCIATION INC	G180607		71,584.43
TOWN OF PAW PAW	G170767		10,000.00
PENNS CORNER CONSERVANCY CHARITABLE TRUST INC	G180609		3,411.81
INTERSTATE COMM ON POTOMAC RIVER BASIN	G170656		6,157.00
FS-99390015 DHHR Grant# EY2015			
Welch, City of	14DWTRFA007	A BONDS	989,133.00
Clay Battelle PSD	14DWTRFA003	A BONDS	1,184,210.00
Stonewood, City of	13DWTRFA005	B BONDS	77,470.00

**APPENDIX H: FEDERAL FUNDING ACCOUNTABILITY AND
TRANSPARENCY ACT REPORTING**

Chapmanville, Town of	12DWTRFB012	A BONDS	78,690.00
Wilderness PSD (A)	14DWTRFA009	A BONDS	925,226.00
Page-Kincaid PSD	14DWTRFA004	B BONDS	163,539.00
Clay Battelle PSD	14DWTRFA003	B BONDS	1,132,201.00
Huttonsville PSD	11DWTRFA016	B BONDS	1,464,976.00
Camden-on-Gauley, Town of	12DWTRFB007	A BONDS	60,781.00
Preston County PSD #4	11DWTRFB004	A BONDS	112,609.00
Southern Jackson PSD	11DWTRFB008	A BONDS	182,887.00
Lubeck PSD	15DWTRFA007	A BONDS	89,164.00
Wilderness PSD (B)	14DWTRFA009	B BONDS	58,350.00
WV Department of Environmental Protection	G160337		40,000.00
WV RURAL WATER ASSOCIATION INC	G160338		12,372.70
WV RURAL WATER ASSOCIATION INC	G160654		79,423.67
WV RURAL WATER ASSOCIATION INC	G160785		4,042.30
WV RURAL WATER ASSOCIATION INC	G170518		8,446.33
INTERSTATE COMM ON POTOMAC RIVER BASIN	G160698		6,348.00
FS-99390014 DHHR Grant# EY2014			
Town of Beverly	10DWTRFB005	A BONDS	132,206.00
Preston County PSD #4	11 DWTRFA004	A BONDS	27,703.00
Fairmont, City of	11DWTRFB016	A BONDS	229,466.00
Fairmont, City of	05DWTRFA004		55,182.00
Southern Jackson PSD	11DWTRFB008	A BONDS	420,464.00
City of St. Marys	11DWTRFA013	A BONDS	50,412.00
Town of Capon Bridge	11DWTRFA010	A BONDS	911,375.00
City of Stonewood	13DWTRFA005	A BONDS	1,182,161.00
City of Stonewood	13DWTRFA005	B BONDS	699,580.00
Gilmer County PSD	11DWTRFB012	A BONDS	289,412.00
Jefferson County PSD	13DWTRFA004	B BONDS	847,682.00
Town of Chapmanville	12DWTRFB012	A BONDS	776,605.00
Preston County PSD#4	11DWTRFA004	B BONDS	84,220.00
Fenwick Mountain PSD	14DWTRFA001	A BONDS	478,559.00
Page-Kincaid PSD	14DWTRFA004	A BONDS	60,551.00
Fenwick Mountain PSD	14DWTRFA001	B BONDS	316,466.00
Jefferson County PSD	13DWTRFA004	A BONDS	109,702.00
WV Rural Water Association	G150401		39,311.55
WV Rural Water Association	G160338		22,084.59
WV Rural Water Association	G160654		88,450.00
FS-99390013 DHHR Grant# 22848			
Oakland PSD	11DWTRFA012		343,434.43
Town of Beverly	10DWTRFB005		525,493.15
Preston County PSD	11DWTRFA004		539,866.92
Fairmont, City of	11DWTRFB016		1,903,789.00
Southern Jackson PSD	11DWTRFB008		190,684.50
Morgantown Utility Board	09DWTRFA063		181,102.00

**APPENDIX H: FEDERAL FUNDING ACCOUNTABILITY AND
TRANSPARENCY ACT REPORTING**

Camden-on-Gauley, Town of	12DWTRFB007		315,469.00
City of St. Marys	11DWTRFA013		202,487.00
Cowen PSD	12DWTRFA003		249,989.00
White Sulfer Springs	10DWTRFA002		111,902.00
Town of Capon Bridge	11DWTRFA010		416,884.00
City of Wellsburg	10DWTRFB016C		47,786.00
City of Stonewood	13DWTRFA005		191,358.00
Gilmer County PSD	11DWTRFB012		439,190.00
Jefferson County Public Service District	13DWTRFA004		131,861.00
WV Department of Environmental Protection	G150399		40,000.00
WV Rural Water Association	G150595		128,332.59
WV Rural Water Association	G160654		40,087.41
FS-99390012 DHHR Grant# 21898			
Beverly, Town of	10DWTRFB005		786,570.00
Morgantown Utility Board	09DWTRFA063		543,765.00
Oakland Public Service District	11DWTRFA012		1,120,280.00
Parkersburg, City of	10DWTRFA023		123,061.00
Preston, County of	11DWTRFA004		801,964.00
Saint Marys, City of	11DWTRFA013		31,122.00
Southern Jackson PSD	11DWTRFB008		606,493.00
Wellsburg, City of	10DWTRFB016C		919,675.00
White Sulfur Springs, City of	10DWTRFA002		1,271,772.00
WV Rural Water Association	G150595		70,172.00
WV Department of Environmental Protection	G140434		40,000.00
West Virginia Rural Water Association	G130820		71,770.00
Regional Planing & Development Council	G120532		50,000.00
FS-99390011 DHHR Grant# 20420			
Beverly, Town of	10DWTRFB005		1,026,632.00
Fairmont, City of	11DWTRFB016		73,381.00
Oakland Public Service District	11DWTRFA012		1,402,432.00
Parkersburg Utility Board	10DWTRFA023		351,160.00
Preston, County of	11DWTRFA004		324,314.00
Saint Marys, City of	11DWTRFA013		1,171,223.00
Southwestern Water District	10DWTRFA002		156,783.00
Wellsburg, City of	10DWTRFB01C		465,106.00
White Sulfur Springs, City of	10DWTRFA02		1,472,900.00
Whitmer Water Association, Inc	09DWTRFA001		54,950.00
WV Rural Water Association	G150595		11,495.00
West Virginia Rural Water Association	G140591		90,000.00
West Virginia Rural Water Association	G130820		47,340.00
West Virginia Rural Water Association	G130421		82,895.75
West Virginia Department of Environmental Protection	G130073		40,000.00
Cameron, City of (Initially reported on 2011 Grant)	G130825		6,267.00