West Virginia
Clean Water State Revolving Fund

FY2015
DRAFT
Intended Use Plan

Submitted to the
U.S. Environmental Protection Agency
Region III
May 16, 2014

west virginia department of environmental protection

TABLE OF CONTENTS

Glossary 1

Preface 2

SECTION I
Introduction 3

SECTION II
Funds Identification 3

SECTION III
Goals 5

SECTION IV
Project Priority List 6

SECTION V
Fund Activities 6

SECTION VI
Assurances 15

SECTION VII
Criteria and Method for Distribution of Funds 16

SECTION VIII
Public Participation 16

SECTION IX
Agreement 17

Appendices

A - FY 2015 Project Priority List
B - Proposed Binding Commitments – by Quarter
C - Projects Budgeted for IUP Available Funds
D - Public Hearing Summary
E - Median Household Income by County and Magisterial District
E1 - Median Household Income by Municipality
F - Sources and Uses Chart (for EPA use only)
G - Possible Green Technology Projects

Glossary

The following abbreviations are used throughout this document to denote the listed words, terms and phrases:

AgWQLP – West Virginia Agricultural Water Quality Loan Program

BAN – Bond Anticipation Note

CA – West Virginia Conservation Agency

CWA – Federal Clean Water Act

CWSRF – Clean Water State Revolving Fund

DEP – West Virginia Department of Environmental Protection

DWWM – Division of Water and Waste Management, DEP

EBPP – Extended Bond Purchase Program

EPA – United States Environmental Protection Agency

IJDC – West Virginia Infrastructure and Jobs Development Council

IUP – Intended Use Plan

MHI – Median Household Income

NRCS – Natural Resources Conservation Service

NPS – Nonpoint Source

OA – Operating Agreement

OSLP – Onsite Systems Loan Program

POTW – Publicly Owned Treatment Works

PSC – Public Service Commission

USDA– United States Department of Agriculture

SCD – Soil Conservation District

WDA – West Virginia Water Development Authority

Preface

Mission Statements

Department of Environmental Protection

To promote a healthy environment.

Division of Water and Waste Management

To protect, preserve and enhance West Virginia's land

and watersheds for the safety

and benefit of all.

Clean Water State Revolving Fund

To provide technical and financial assistance to local governmental

entities to improve water quality and

public health conditions.

SECTION I

Introduction

This document is the Clean Water State Revolving Fund's Intended Use Plan for state fiscal year 2015 (July 1, 2014 – June 30, 2015). The Division of Water and Waste Management is the primary state agency that administers the Clean Water State Revolving Fund, with financial and support assistance provided by the West Virginia Water Development Authority.

As of July 1, 2014, there have been 25 federal capitalization grants and amendments awarded by the Environmental Protection Agency. The state has provided, where necessary, the required 20% matching funds for each grant and amendment.

Repayments of prior loans, bonds and investment earnings are also available within the Clean Water State Revolving Fund to fund additional wastewater and nonpoint source projects. A calculation of available funds during FY2015 is contained in Section II.

SECTION II

Funds Identification

The chart on the next page identifies the revenue sources that will be used for loans and other anticipated expenditure categories during FY2015.

A similar chart can be found in Appendix F, which is used by EPA for their purpose only. This chart summarizes the federal capitalization grants, state matches, repayments, earnings, etc. since the program began. It also estimates the FY2015 revenue sources to calculate a theoretical amount of funds available.

WEST VIRGINIA CLEAN WATER STATE REVOLVING FUND

Intended Use Plan – Sources and Uses of Funds*

State FY2015 (July 1, 2014 – June 30, 2015)

Available funds as of March 31, 2014

Cash balance in CWSRF account =	$ 84,706,202	
Federal funds accounts payable (Base grants) =	$ 0	
		$ 84,706,202

New funds available during state FY2015:

Next Federal EPA Grant =	$ 21,856,000	
Next State Match =	$ 4,371,200	
Repayments (principal) (to 6/30/15) =	$ 31,485,974	
Repayments (interest) (to 6/30/15) =	$ 2,963,843	
Investment earnings (to 6/30/15) =	$ 453,495	
Anticipated SB 245 repayment	$ 11,615,980	
		$ 72,746,492

Less:

Existing project loans payables (3/31/14) =	$ 85,434,216	
Existing binding commitments (3/31/14) =	$ 73,221,468*	
AgWQLP reserve =	$ 150,000	
OSLP reserve =	$ 300,000	
DEP Administration =	$ 0	
		$ 159,105,684

Net available funds during FY2015 = $ (1,652,990)

Notes:

1. There is $2,161,818 that must still be allocated to green projects to meet the 2012 and 2013 grant conditions.

* The CWSRF is operating on a cash flow basis. While the program has committed this to upcoming projects, it is understood that not all of these funds will be drawn down in the next fiscal year. Therefore FY2016 funds will also pay for some of these costs.

SECTION III

Goals

A. Long term goals

1. Expand the CWSRF accessibility by creating new financial assistance programs to address NPS pollution control problems.

2. Ensure the CWSRF program operates in perpetuity at its maximum level to provide financial assistance to local entities.

   Objective 1 – Conduct financial capability reviews on all potential loan recipients to assure credit worthiness and fiscal responsibility.

   Objective 2 – Maximize investment opportunities.

   Objective 3 – Monitor repayment activity of loan recipients and take aggressive action for collection of delinquent payments from loan recipients.

   Objective 4 – Utilize EPA's financial planning model to ascertain the long term effects of different CWSRF policies.

3. Integrate the CWSRF program into DEP's Watershed Management Framework to increase program effectiveness by targeting the CWSRF funds toward higher priority watersheds.

4. Market the CWSRF program throughout the state to increase commitment of funds and maintain program pace by providing articles, press releases, and presentations on CWSRF program activities and participating in meetings of federal and state associations concerned with water quality, health, and economic development issues.

5. Participate in the monthly meetings of the IJDC. Participation will include performing technical reviews on all proposed sewer projects and coordinating and recommending the most feasible funding sources.

6. Incorporate EPA's strategic plan program activity measures into the CWSRF program by working to achieve a targeted fund utilization rate of 100% (cumulative dollar amount of loan agreements divided by cumulative amount available for projects).

7. Develop effective wastewater management in rural, low income West Virginia communities. This includes investigating new funding opportunities and participating in groups to develop wastewater management ideas and programs.

B. <u>Short term goals for FY2015</u>

1. Continue outreach efforts on potential new loan recipients.

2. Achieve a targeted fund utilization rate "pace" goal of 95%. Program pace is defined by EPA as the cumulative loan assistance provided divided by the total amount of funds available. Loan assistance is defined as the cumulative assistance provided by executed loan and bond agreements (does not include preliminary binding commitment letters).

3. Complete the Environmental Benefits for each CWSRF project in EPA's CBR System.

4. Continue to work with the communities required to upgrade their systems in the State's Watershed Improvement Plan for the Chesapeake Bay.

5. Work with EPA to develop Buy American guidance in accordance with the most recent grant requirement.

SECTION IV

Project Priority List

The FY2015 Project Priority List is contained in Appendix A. The list includes potential CWSRF binding commitments for Section 212 projects (publicly owned treatment works). Projects must appear on the priority list in order to receive consideration for a loan/bond purchase agreement or a formal loan commitment. The list was developed using fact sheets received from the applicant, consulting engineer or other representative, and should reflect current costs. If additional projects are developed during the fiscal year that do not appear on the list but would like to receive a commitment, they may be added to the list after adequate public notification procedures have been completed. This generally takes 60 days.

The CWSRF will continue to commit funds to projects on a first-come, first-served basis regardless of their position on the priority list, as long as all applicable program requirements have been met and the project is within six months of construction. At a minimum, the facilities plan must be approved and an approvable set of plans & specs must be submitted. Consideration will be given to the status of rights-of-way obtainment and other items on the pre-bid checklist during this process. Furthermore, a project will not receive a commitment from the CWSRF unless it has received a funding recommendation from the IJDC in accordance with WV State Code, Chapter 31, Article 15A. This binding commitment from the CWSRF will remain in effect until the expiration date contained in the commitment.

Individual NPS pollution control activities and projects funded by the CWSRF do not have to appear on the annual priority list. However, the funding of these projects is described in Section V(I) and an amount has been reserved to fund these projects. These NPS projects are allowable for funding using state revolving funds in accordance with

federal law and are defined under Section 319 of the CWA. Any type of NPS activities funded must be included in the DEP's approved NPS management plan. Appendix C contains a quarterly outlay estimate for all NPS activities expected to be funded in FY2015.

SECTION V

Fund Activities

A. Interest rates on POTW loans

The eligibility criterion for low interest loan consideration is still based upon 4,000 gallons of water usage and the average monthly user rate must be at or above 1.5% of the median household income in order for a community to qualify for a ½% interest rate on its loan.

The DEP will be using this criterion to determine its interest rate on loans. However, the maximum allowable term of the loans will be determined using the following range of user rates and MHI data:

Less than 1.5% MHI: 2% interest rate, 1% annual admin fee, 20 year term

1.5% to 1.74% MHI: ½ % interest rate, ½ % annual admin fee, 21 - 30 year term

1.75% MHI and higher: 0% interest rate, ½% annual admin fee, 31 - 40 year term

The MHI data that will be used will be the 2010 census data published by the U. S. Department of Commerce, U.S. Census Bureau, American Fact Finder. Interest rates will not exceed 2% and will not be less than 0%. For all public service districts, the MHI to be used will be the lowest of either the county or magisterial district that is most appropriate for the project area. Magisterial District information can be found in Appendix E. Municipalities and County specific MHI data that will be used is contained in Appendix E1.

Should Congress amend the CWA or pass reform legislation that affects small disadvantaged communities, the DEP may revise this interest rate policy to consider other factors as required by federal law.

B. Additional subsidization for disadvantaged communities

This year's Clean Water Act Title VI funding allocation for West Virginia is estimated to be $21,856,000. The Appropriations Act requires that a portion of each capitalization grant be used for additional loan subsidization and for funding green infrastructure projects. The Act requires a minimum of 10% be set aside for funding green projects. This amount will equal $2,185,600. The allowable green project categories that will be considered for this funding are described below.

The Act also requires a minimum amount be set aside for providing additional loan subsidization in the form of grants or principal forgiveness to qualifying communities. This minimum amount is $1,189,352. The Act also allows for a maximum amount to be set aside, which may be equal to $1,784,029. In accordance with the CWSRF state statute, which says in part, "…moneys in the fund shall be used to make grants for projects to the extent allowed or authorized by federal law", the DEP will be setting aside the maximum amount which will be used for providing additional loan subsidies for disadvantaged communities.

Principal forgiveness of all or part of a loan will be the mechanism that will be used to supply the additional subsidization. The criteria for projects to be eligible for additional subsidization are as follows:

1. Additional loan subsidization is a last resort for disadvantaged communities and will only be provided when other funding options within the CWSRF program are not practical to make the project financially affordable (i.e. 40-year loan terms, deferred principal repayments, reduced debt service coverage, etc.).

2. The proposed average sewer rate based upon 4,000 gallons of water usage after project completion must be equal to or greater than 1.75% of the median household income based upon the census data as described in Section V(A). The additional loan subsidization provided will be the lesser of 50% of the total eligible CWSRF project costs or $1,000,000.

Readiness to proceed to construction will be the primary criterion that will be used in allocating the additional subsidies. The final amount of the subsidy will be determined after receipt of bids and after a formal application is submitted. Note: As existing debt is retired, it will rollover to pay the amount of any deferred loan.

Loan recipients eligible for additional subsidization must appear on the current FY2015 priority list prior to loan closing.

FY 2015 Planning and Design Pilot Program

Proposed disadvantaged projects in this category may be eligible to receive loan subsidization, in the form of debt forgiveness, of 50% of the total CWSRF eligible planning and design engineering costs. During FY 2015, the CWSRF program will be offering a pilot program to partially cover the planning/design costs for disadvantaged sewer system projects only. This is based upon availability of funds. In order to qualify for these funds, the project sponsor must assure the CWSRF program that the project will receive authorization to advertise for bids within 12 – 18 months of receiving the funds. The sponsor will have to provide, at a minimum, the following documentation:

1. A recommendation to pursue SRF funds from the WV Infrastructure and Jobs Development Council;
2. An engineering agreement approved by the CWSRF program;
3. A facility plan approved by the CWSRF program;

4. Documentation of a pre-design meeting with representatives of the CWSRF program;
5. A project timeline showing advertisement for construction bids within 18 months;
6. An approvable project budget;
7. Documentation from the project sponsor that the customer base is willing to pay the proposed sewer rate;
7. PSC approval, if required by law.
8. Deferral of costs to the construction phase for costs not covered by this program.

Disadvantaged Community Qualifications: Rate for 4,000 gallons of water must be 2% of the MHI or higher and the project must meet the definition of decentralized.

Funds Available: $1,000,000. These funds will be available on a first come, first served basis and once they are committed, no other funds will be available.

C. Green Projects Reserve

In accordance with federal law, to the extent there are sufficient eligible project applications, not less than 10% of the funds in the capitalization grant shall be used to address green infrastructure projects.

Allowable green project categories will be as follows:

1. Energy Efficiency

A community may use improved technologies and practices to reduce the energy consumption of existing wastewater treatment systems, use energy in a more efficient way, and/or produce/utilize renewable energy. Only the dollar amount associated with the green component of a larger project will qualify for the green reserve.
Proposed green projects in this category may be eligible to receive additional loan subsidization, in the form of debt forgiveness, to the lesser of 20% of the total eligible green CWSRF costs or $500,000.

Projects that will not be allowable include but are not limited to:

a. Infiltration and inflow pipe repair or replacement.
b. Purchase of hybrid/alternative fuel vehicles for sewer fleets.
c. Operation, maintenance and replacement activities.
d. Drinking water related projects.

2. Water Efficiency

Water efficiency type projects will not be allowable for additional loan subsidization or green technology funding, except for water reuse type projects. Proposed green projects in the water reuse category may be eligible to receive additional loan

subsidization, in the form of debt forgiveness, to the lesser of 20% of the total eligible green CWSRF costs or $500,000.

3. <u>Storm Water / Green Infrastructure</u>

Allowable green projects to be funded under this category are:

a. Publicly sponsored projects that utilize green technologies to treat or eliminate storm water from existing wastewater collection and treatment systems.

b. MS4 sponsored projects that utilize green technologies to solve storm water issues.

Proposed green projects in this category may be eligible to receive additional loan subsidization, in the form of debt forgiveness, to the lesser of 20% of the total eligible green CWSRF costs or $500,000.

4. <u>Environmentally Innovative</u>

Allowable green projects to be funded in this category are:

Decentralized sewer systems

a. Publicly Owned Systems

b. Privately Owned Onsite Systems

For constructing, upgrading, or repairing onsite/septic systems to existing eligible structures to protect water quality. The project must be sponsored by a local entity eligible to receive SRF funding.

Proposed green projects in this category may be eligible to receive loan subsidization, in the form of debt forgiveness, of 100% of the total eligible green CWSRF costs. During FY 2015, the CWSRF program will be offering a program to cover the pre-bid costs for categorically green decentralized sewer system projects only. This is based upon availability of debt forgiveness funds. The program may fund the pre-bid costs for these systems from the available green debt forgiveness funds. In order to qualify for these funds, the project sponsor must assure the CWSRF program that the project will proceed to advertising for bids within 12 – 18 months of receiving the funds. The sponsor will have to provide, at a minimum, the following documentation:

1. A recommendation to pursue SRF funds from the WV Infrastructure and Jobs Development Council;
2. An engineering agreement approved by the CWSRF program;
3. A facility plan approved by the CWSRF program;
4. Documentation of a pre-design meeting with representatives of the CWSRF program;
5. A project timeline with an approvable project budget;

6. Documentation from the project sponsor that the customer base is willing to pay the proposed sewer rate;
7. PSC approval, if required by law.

Based upon the above guidelines and criteria, a list of potential green projects is included in Appendix G of this document. These projects were submitted in response to a DEP solicitation for green projects that occurred in February and March 2014 simultaneously with the project priority list solicitation. The CWSRF program will further evaluate these projects to determine funding eligibility.

D. Annual administrative fees on POTW loans

Since 1994, an annual administrative fee has been charged on all loans as a means of supporting the administrative costs of operating the CWSRF in perpetuity. These fees are maintained in a separate account outside the CWSRF. The use of these fees is restricted in accordance with *EPA's Guidance on Fees Charged by States to Recipients of Clean Water State Revolving Program Assistance* as published in the Federal Register on October 20, 2006. Funds have been expended from the account since FY1998.

The annual administrative fee is calculated annually using the outstanding principle amount of the loan over its life, but repaid over the term of loan in equal installments as contained in the loan amortization schedule. The chart in Section V (A) will be used to determine the annual administrative fee on each loan. The administrative budget for state FY2015 is $2,202,559. This includes funding the DEP's Project WET position. The amount of the funds available as of March 31, 2013 was $6,767,373. These funds can also be used to fund the onsite systems program and the pilot planning/design program as discussed in this document.

E. Maximum allowable loans

In FY2015, there will not be a limit set on the amount of funds available to any single project. This practice will be reviewed annually and may change in future intended use plans.

F. BAN leveraging program

DEP is continuing the following option for multimillion dollar projects that cannot reduce their scope to reflect a reasonable cost. A specific dollar amount will be issued by the entity using a BAN for the length of the construction period. The CWSRF will commit out of its second round funds a certain amount each fiscal year until the total commitment is equal to the BAN. The loan will then be closed following construction completion, retiring the interim financing. This proposed closing date will also be reflected in the BAN documents. Repayment of the CWSRF loan will begin immediately using the first full Municipal Bond Commission quarter following loan closing.

G. Extended Bond Purchase Program

1. 30-year bonds

The EPA approval of the 30-year extended bond purchase program on April 13, 1999, allowed many disadvantaged communities in West Virginia to be funded under the CWSRF, resulting in additional water quality improvement projects and providing rate relief to local governmental entities. The more advantageous bond terms have increased the number of sewer construction projects in the state and have allowed better leveraging of other state and federal funds available for sewer projects.

Section 603(d)(2) of the CWA allows local bonds to be purchased by the state at below market interest rates without limiting the term to 20 years as contained in Section 603(d)(1). West Virginia law governing municipalities and public service districts provides that governing bodies must issue bonds to pay the costs of wastewater projects and sets forth detailed terms regarding interest rates, maturity dates and security provisions and with certain exceptions provides that the term of such bonds shall not exceed 40 years from the date of issuance.

Under the EBPP, the CWSRF will be purchasing local bonds with up to 30-year terms only for disadvantaged communities defined in Section V (A). Extended terms up to 30 years will be available to eligible communities meeting the above definition after a request is received from the community and an affordability analysis has been performed to determine what maturity date is necessary (not exceeding 30 years) in achieving, if possible, the targeted rate equal to 1.50% MHI. In performing the analysis, an interest rate of ½% and an annual administrative fee of ½% shall be assumed.

Loans closed before July 2, 1999, cannot be refinanced or restructured using extended bond terms unless:

a. DEP determines that such restructuring is necessary to protect the integrity of the CWSRF;

b. the financial difficulty is due to unforeseen events (except population decline);

c. the community has taken all reasonable steps to reduce expenses and increase revenues and such measures have not remedied the financial difficulty;

d. the community has not discriminated in its payment of debt service on other outstanding debt;

e. the community agrees to and implements a long term management plan; and

f. the PSC has approved the proposed restructuring, (if applicable).

2. 40-year bonds

In May 2001, EPA approved an extension to the 30-year extended bond purchase program by allowing bond terms to exceed 30 years, but no longer than 40 years. As with the 30-year bond program, offering up to 40-year terms requires that the

long term revolving nature of the CWSRF must be protected. The offering of extended financing terms must not decrease the projected revolving level of the fund by 10% or more compared to the revolving level that the fund would have attained if extended financing terms were not available.

In implementing this 40-year program and in consideration of the federal mandates, the DEP established the following parameters that must be met by a disadvantaged community in order to be eligible for extended bond terms greater than 30 and less or equal to 40 years. The intent is to balance the financial need of the community with the long term financial health of the CWSRF.

Facility plans will include detailed information concerning expected increases in operation and maintenance costs from years 20 to 40 including, but not limited to schedules for the repair and replacement of all facility units / components, including equipment.

Where there has been a historical decline in population, additional information in the facility plan will be required concerning the composition of the population base, such as age and income characteristics. Other economic indicators, such as trends in tax base, number of jobs and housing starts, may be requested to determine those communities that pose a high risk to the CWSRF program.

For revenue projection and rate-setting purposes, the CWSRF will require that only 90% of any new potential customers be used in the facility plan. This requirement will apply during the entire preconstruction phase of the project, including the Public Service Commission certificate case. A copy of the Rule 42 exhibit shall be submitted to the DEP for compliance review with this requirement. This requirement will not apply to existing customers already served by a collection system.

At the completion of final design and prior to the project authorization to advertise for bids, the above information will be reviewed for the purposes of conducting a final financial review.

H. Requirements for CWSRF Commitment

Preliminary Commitments – when IJDC or another funding agency commits funds to a project that includes CWSRF as a funding partner, the DEP may also commit its funding to the project at that time, conditioned upon program requirements being met in the future as the project proceeds.

Formal Commitments – once it has been determined that a project can realistically proceed to construction within six months, a formal commitment of CWSRF funding will be made that may include such terms and conditions as deemed necessary. Prior to loan closing, the project must appear on the current year's priority list.

I. Expanded uses of the CWSRF – Nonpoint Sources (NPS)

In addition to financing municipal sewage treatment and disposal projects, the CWSRF can finance an array of environmental projects to address NPS pollution.

NPS pollution is runoff from areas that have hard-to-trace specific sources of pollution such as farmland and suburban neighborhoods.

As with most other states, West Virginia has devoted the majority of CWSRF funds to the construction of traditional municipal wastewater treatment systems. However, in 1997 the CWSRF funded its first NPS water quality projects through the DEP's Agricultural Water Quality Loan Program in partnership with the WV Conservation Agency. The purpose of the AgWQL program is to provide a source of low-interest financing match funds to implement best management practices that will reduce NPS impacts on water quality. This program is operated in conjunction with local participating banks.

In 2000, the CWSRF began a pilot implementation of its second NPS program titled the Onsite Systems Loan Program. The purpose of this program was to eliminate existing health hazards and water quality problems due to direct sewage discharges from houses using malfunctioning septic tank systems or direct pipes to a nearby stream. This was a cooperative venture between the DEP and county health departments. After several years of frustration, this program was revived in 2008 and is now fully operational. The West Virginia Housing Development Fund and other nonprofit associations are participating in this program to make it accessible to individual homeowners throughout the state.

In creating the CWSRF, Congress ensured that it would be able to fund virtually any type of water quality project, including nonpoint source, wetlands, estuary, and other types of watershed projects, as well as more traditional municipal wastewater treatment systems. The CWSRF provisions in the CWA give no more preference to one category or type of project than any other.

1. Agriculture Water Quality Loan Program

With the initiation of the FY1998 pilot program in five counties (Grant, Mineral, Pendleton, Hardy, and Hampshire), DEP addressed nonpoint sources of pollution by the installation of best management practices. The pilot program was a cooperative effort among the DEP, WV Conservation Agency, United States Department of Agriculture, Natural Resources Conservation Service, local Soil Conservation Districts and local banking institutions.

Agricultural producers at the local level work with the SCD, CA and NRCS to develop a conservation plan. A local participating bank then provides a 2% interest loan for construction that will be monitored by these agencies. The CWSRF loans money to local banks at 0% interest as a mechanism for the banks to reduce their interest rate. The DEP expanded this program statewide after securing EPA approval to do so. As of June 30, 2013, more than $13 million has been loaned under this program for installation of best management practices. Each fiscal year, an additional amount of money is set aside to fund more of these NPS projects. A one-time administrative fee is charged on each loan to cover DEP administrative expenses.

The CWSRF will continue this program in FY2015 with a set-aside reserve of

$150,000 to provide the necessary match to these agriculture Grants.

2. **Onsite Systems Loan Program**

An OSLP guidance document is available which explains the NPS program. Individual loans are limited to $10,000 and lender interest rates cannot exceed 2% with terms not to exceed 10 years for the replacement, repair or upgrade of onsite sewage systems. Exceptions to the $10,000 limit are made on a case-by-case basis.

During the 2007 legislative session, the CWSRF statute was amended to expand the definition of "local entity", which allows CWSRF money to be loaned to other entities who will act as an intermediary lender in the OSLP. The West Virginia Housing Development Fund was the first entity to enter into an agreement with the CWSRF to provide low interest loans to homeowners to correct failing onsite sewage systems. SAFE Housing and Economic Development, Inc. (SHED) has also entered into an agreement with the CWSRF to provide these loans to homeowners. The CWSRF will provide $300,000 as a set-aside for this program in FY2015. Funds from the administrative fee account may also be used to fund this program.

3. **Other CWA Section 319 Nonpoint Source Activities**

Nonpoint sources of water pollution, that may include contaminated groundwater flow and runoff from agricultural and developed land, have received far less attention. This is because nonpoint sources of pollution are harder to identify and address since they are not discrete end-of-pipe pollution sources.

In West Virginia, other nonpoint sources of pollution are identified in the state nonpoint source management plan developed by DEP. We will continue to evaluate the merits of providing funds to other NPS activities.

J. Federal requirements

To streamline the program and reduce project costs, all new binding commitments made to POTW projects in FY2015 will not have to meet many federal requirements. As a recipient of federal CWSRF funds, the DEP has to apply these federal requirements to loans equal to the cumulative amounts of all the federal capitalization grants. The DEP has consistently applied these federal requirements to all loans since the beginning of the program in 1991. DEP has met this federal requirement at 117% of what is required, as of June 30, 2013. Therefore, many federal requirements will not be imposed on projects in FY2015, such as minority/woman-owned business enterprise goals, presidential executive orders, just to name a few. Recipients of earmark grants from Congress will still have to meet these federal requirements for the entire project, including any CWSRF funds. This will likely continue in future fiscal years.

In order to minimize the burden on borrowers with compliance with the Single Audit Act (OMB A-133), the following projects have been selected to comply with these

requirements. These borrowers will submit single audit reports in all years when disbursements of federal funds (both CWSRF and non-CWSRF federal funds) are greater than $750,000.

Project Sponsor	Project Description	CWSRF amount
City of Keyser	Chesapeake Bay WWTP Upgrade	$20,400,000
Pea Ridge PSD	New WWTP & Collection System	$ 9,926,000

This project's total is more than the FFY 2014 capitalization grant which is $21,856,000.

SECTION VI

Assurances

DEP has provided the necessary assurances and certifications as part of the operating agreement with EPA. The Operating Agreement defines the mutual obligations between EPA and DEP. The purpose of the OA is to provide a framework of procedures to be followed in the management and administration of the CWSRF. The OA includes the requirements of the following sections of the federal Clean Water Act:

602(a) - Environmental Reviews – the DEP will conduct the reviews in accordance with state regulations.

602(b)(3) - Binding Commitments – the DEP will enter into binding commitments for 120% of each quarterly grant payment within one year of receipt of the payment.

602(b)(4) - Expeditious and Timely Expenditures – the DEP will expend all funds in the CWSRF in a timely manner.

602(b)(5) - First Use for Enforceable Requirements – the DEP has certified that all national municipal policy projects have met this requirement.

These and other procedures are described in the OA and may be examined by contacting the DEP. The OA underwent revisions this past year and has been accepted by the WV DEP and the U.S. EPA.

SECTION VII

Criteria and method for distribution of funds

The following approach was used to update the priority list, intended use plan and projection of the distribution of all funds contained in the CWSRF:

1. Analysis of community and financial assistance needed;

2. Review of project schedule to determine when the project would be in a state of readiness to proceed to construction;

3. Individual contact with potential loan recipient or its representative;

4. Allocation of funds among projects;

5. Development of an EPA payment schedule which will provide for making timely binding commitments to projects selected for CWSRF financial assistance;

6. Development of individual disbursement schedules to pay project costs as incurred;

7. Analysis of NPS activities and the extent to which reserved funds would be needed for such projects; and

8. Estimate of administrative expenditures that will occur during the fiscal year.

SECTION VIII

Public participation

On June 25, 2014 a public hearing was held to receive comments on the CWSRF IUP for FY2015. The meeting was legally advertised in newspapers throughout the state. In addition, DEP issued a notice of the meeting by sending a mass mailing directly to potential consulting engineers, regional councils and other interested parties.

Appendix D contains the public hearing notice, attendance sign-in sheet and a summary of the meeting.

SECTION IX

Agreement

The DEP has agreed to provide EPA with information for the environmental results sheets for all loans closed during FY2015. This new documentation is being requested by EPA to better ascertain the environmental results of projects funded under the CWSRF program.

APPENDIX A

FISCAL YEAR 2015 PRIORITY LIST

CLEAN WATER STATE REVOLVING FUND 2015 PRIORITY LIST

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 1	**Weston, City of**	$5,940,000	$7,140,000	**Problem:** Unserved areas & package plant that is unable to meet NPDES Permit requirements. (Turnertown area) **Solution:** New collection system to unserved areas & eliminate the package plant and send all flow to the Weston WWTP
Points: 250.00	County: Lewis SRF #C: 544471 NPDES #WV: 0028068 Binding Date: 6/30/2015 Needs Category: IVA,IVB			
Rank 2	**Greater St. Albans PSD (Phase IIIC Tackett's Creek)**	$16,165,331	$16,195,331	**Problem:** Failing septic systems and excessive I/I **Solution:** Extend sewer service to unserved areas and replace/rehabilitate existing sewers.
Points: 210.00	County: Kanawha SRF #C: 544406-03 NPDES #WV: 0035068 Binding Date: 3/31/2015 Needs Category: IIIA,IIIB,IVA,IVB			
Rank 3	**Beckley, City of (Phase III Red Brush)**	$5,047,720	$5,097,720	**Problem:** Failing septic systems & CSO rehabilitation for compliance **Solution:** Improvements include replacing existing sewer & extending sewer to provide service to an unserved area
Points: 200.00	County: Raleigh SRF #C: 544439-03 NPDES #WV: 0023183 Binding Date: 3/31/2015 Needs Category: IIIA			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 4	**Frankfort PSD**	$17,350,000	$23,700,000	**Problem**: Four failing package plants and septic tanks serving a total of 600 customers along Plum Run which is on the 303(d) list for impaired streams for Fecal Coliform; excessive I&I **Solution**: Construct new gravity collection sewer, expand WWTP, I & I remediation
County: Mineral SRF #C: 544411-02 NPDES #WV: 0010598 Binding Date: 12/31/2014				
Points 185.00	Needs Category: II.IIIA.IIIB.IVA.			
Rank 5	**Ronceverte, City of**	$18,760,463	$27,660,468	**Problem**: Need to comply with Greenbrier River phosphorus limits **Solution**: Upgrade WWTP
County: Greenbrier SRF #C: 544267 NPDES #WV: 0023246 Binding Date: 12/31/2014				
Points 185.00	Needs Category: I.II			
Rank 6	**Greenbrier PSD #1**	$4,048,917	$5,296,145	**Problem**: Failing septic systems & a failing system that is under DEP order in the Meadowbrook Estates subdivision **Solution**: Extend sewer service to unserved areas. Replace failing package plant (Meadowbrook Estates)
County: Greenbrier SRF #C: 544449G NPDES #WV: 0089010 Binding Date: 3/31/2015				
Points 180.00	Needs Category: I.IIIB.IVA.IVB.XII			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 7	**Elkins, City of**	$3,132,600	$3,132,600	**Problem**: Excessive I/I and CSO system under EPA compliance schedule.
	County: Randolph SRF #C: 544067 NPDES #WV: 0020028 Binding Date: 12/31/2014			**Solution**: Rehabilitate collection system and separate combined sewers
Points 170.00	Needs Category: VA			
Rank 8	**Logan, City of (Phase III Stollings)**	$11,006,960	$12,006,960	**Problem**: Failing septic system and direct discharges from unserved areas
	County: Logan SRF #C: 544364-03 NPDES #WV: 0033821 Binding Date: 6/30/2015			**Solution**: Extend sewer service to unserved areas and eliminate direct discharges.
Points 170.00	Needs Category: IVA,IVB			
Rank 9	**Morgantown, City of (Star City TP/Poponoe Run Upgrades)**	$40,000,000	$75,000,000	**Problem**: Excessive I/I and antiquated equipment, insufficient digester capacity in Pocono Run
	County: Monongalia SRF #C: 544520 NPDES #WV: 0023124 Binding Date: 6/30/2015			**Solution**: Replace RBC's with activated sludge and clarifiers, upgrade and expand digesters, upgrade Pocono Run interceptor and provide storage for CSO discharges
Points 170.00	Needs Category: I,IVB			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 10	Crab Orchard-MacArthur PSD (Rhodell) County: Raleigh SRF #C: 547151 NPDES #WV: 0082309 Binding Date: 6/30/2015 Points 150.00 Needs Category: XII	$2,010,200	$4,510,200	Problem: Failing septic systems and direct discharges to Stonecoal & Tommy Creeks Solution: Collection system and WWTP to service Rhodell area
Rank 11	Pocahontas PSD (Snowshoe/Linwood Area) County: Pocahontas SRF #C: 544415 NPDES #WV: 0023311 Binding Date: 12/31/2014 Points 150.00 Needs Category: I,II,IVA,IVB	$27,159,990	$27,234,990	Problem: Orders from DEP and PSC to upgrade existing facilities and provide a regional facility Solution: Provide regional system in the Valley & extend service to unserved areas
Rank 12	Belle, Town of (Phase III) County: Kanawha SRF #C: 544177-04 NPDES #WV: 0021946 Binding Date: 6/30/2015 Points 145.00 Needs Category: I	$3,599,500	$4,599,500	Problem: Antiquated WWTP not meeting permit requirements Solution: Replace WWTP with package plant, repair existing tanks to serve as equalization basins and clarifier

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 13	**New Haven PSD** County: Fayette SRF #C: 547850 NPDES #WV: 0000000 Binding Date: 3/31/2015 Points 145.00 Needs Category: XII	$3,282,319	$3,302,319	**Problem** No existing wastewater collection/treatment system **Solution** Construct a decentralized wastewater collection and treatment system, new septic tanks installed
Rank 14	**Nutter Fort** County: Harrison SRF #C: 544314 NPDES #WV: 0010090 Binding Date: 6/30/2015 Points 145.00 Needs Category: IIIA,VI	$1,549,800	$1,549,800	**Problem** Excessive I/I, direct discharge **Solution** Corrective measures including replacement for existing sewer, install storm sewers, flow meter.
Rank 15	**Philippi, City of** County: Barbour SRF #C: 544355 NPDES #WV: 0021857 Binding Date: 6/30/2015 Points 145.00 Needs Category: VA	$5,102,000	$5,102,000	**Problem** Excessive I/I in combined sewers **Solution** Separate portion of collection system in northern section of city and replace North lift station force main

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 16	Point Pleasant, City of (Phase II)	$1,662,000	$1,662,000	**Problem:** Excessive I/I **Solution:** Improvements to City's combined sewer system
County: Mason SRF #C: 544082-02 NPDES #WV: 0022039 Binding Date: 6/30/2015 Points 145.00 Needs Category: VA				
Rank 17	Ripley, City of	$12,790,000	$13,415,000	**Problem:** Existing WWTP unable to meet NPDES Permit requirements, excessive I/I **Solution:** I/I study, interim measures to meet limits; replace a portion of the collection system & pump stations. Select site for regional WWTP
County: Jackson SRF #C: 544526 NPDES #WV: 0027791 Binding Date: 3/31/2015 Points 145.00 Needs Category: I,IIIA,IIIB				
Rank 18	Greater St. Albans PSD (Phase IV Thomas Hollow Rd)	$3,415,000	$3,445,000	**Problem:** Direct discharge & failing septic systems along Thomas Hollow near Tornado **Solution:** Construct a decentralized treatment system with a recirculating sand filter with subsurface discharge & a new gravity collection system.
County: Kanawha SRF #C: 547251 NPDES #WV: 0035068 Binding Date: 6/30/2015 Points 140.00 Needs Category: XII				

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 19	**Auburn, Town of**	$714,725	$2,714,725	**Problem**: Entire community without a collection and treatment system. Direct discharges causing documented water quality violations.
	County: Ritchie SRF #C: 547201 NPDES #WV: 0000000 Binding Date: 6/30/2015			**Solution**: New decentralized sewer system
Points 135.00	Needs Category: XII			
Rank 20	**New Creek PSD**	$6,716,000	$6,716,000	**Problem**: 150 failing septic tanks/soil absorption systems along New Creek (trout stream) and Limestone Run which are on the 303(d) list for impaired streams for Fecal Coliform
	County: Mineral SRF #C: 544527 NPDES #WV: 0085456 Binding Date: 6/30/2015			**Solution**: Providing a new gravity sewer system to replace failing septic tanks
Points 135.00	Needs Category: IVA,IVB			
Rank 21	**Nitro**	$8,350,000	$8,350,000	**Problem**: Interceptor in poor condition, needs relined, pump station parts not available needs replaced, adjacent areas needs sewer service, belt press too small
	County: Kanawha/Pu SRF #C: 544273 NPDES #WV: 0023299 Binding Date: 9/30/2014			**Solution**: Sewer extension, replace pump stations, sewer separation, reline sewer, new belt press
Points 135.00	Needs Category: I,IIIA,IIIB,IVA			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 22	Crab Orchard-MacArthur PSD (Marsh Fork)	$25,100,000	$25,100,000	**Problem:** The current service area utilizes straight pipes and insufficient septic tanks.
County: Raleigh SRF #C: 544476 NPDES #WV: 0082309 Binding Date: 6/30/2015				**Solution:** Construct WWTP and collection system to remove these insufficiencies.
Points 130.00	Needs Category: I.IVA.IVB			
Rank 23	Keyser, City of	$20,400,000	$30,724,500	**Problem:** Working toward Chesapeake Bay compliance
County: Mineral SRF #C: 544023-03 NPDES #WV: 0084042 Binding Date: 9/30/2014				**Solution:** Construct new WWTP that will meet nutrient criteria
Points 130.00	Needs Category: II			
Rank 24	Benwood, City of (Phase I)	$1,665,000	$3,665,000	**Problem:** Excessive I/I
County: Marshall SRF #C: 544531 NPDES #WV: 0020648 Binding Date: 6/30/2015				**Solution:** Separation of storm and sanitary sewers
Points 125.00	Needs Category: VA			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 25	**North Beckley PSD (Phase IIIB Piney View)** County: Raleigh SRF #C: 544522 NPDES #WV: 0027740 Binding Date: 6/30/2015 Points 125.00 Needs Category: IVA,IVB	$4,776,250	$4,786,250	**Problem** 142 failing septic tanks/soil absorption systems along Piney Creek drainage which is on the 303(d) list for impaired streams for Fecal Coliform **Solution** Providing a new gravity sewer system to replace failing septic tanks
Rank 26	**Parsons, City of** County: Tucker SRF #C: 544311 NPDES #WV: 0022063 Binding Date: 6/30/2015 Points 125.00 Needs Category: IVA,IVB	$500,000	$500,000	**Problem** Overflows in the system **Solution** Separate storm water and sanitary sewer flows
Rank 27	**Pea Ridge PSD (Green Bottom)** County: Cabell SRF #C: 544442 NPDES #WV: 0027413 Binding Date: 9/30/2014 Points 125.00 Needs Category: I,IVA,IVB	$9,926,000	$10,426,000	**Problem** 171 customers with failing septic systems in Green Bottom **Solution** The failing septic systems will be replaced by a sewer collection system and WWTP. The treatment plant will also treat wastewater from the Alcon manufacturing facility.

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 28	**Boone County PSD (West Madison/Danville)** County: Boone SRF #C: 544494 NPDES #WV: 0035939 Binding Date: 3/31/2015 Points 120.00 Needs Category: I,IIIB	$2,900,000	$4,370,000	**Problem** Excessive I/I, antiquated equipment at WWTP **Solution** Replace/rehabilitate areas of the existing collection system; replace mechanical bar screen, UV unit, belt filter press; upgrade orbal unit and clarifier capacity
Rank 29	**Chapmanville, Town of (Hidden Valley/Sunset Court)** County: Logan SRF #C: 544147 NPDES #WV: 0024678 Binding Date: 3/31/2015 Points 120.00 Needs Category: IVA, IVB	$5,835,000	$5,865,000	**Problem** Failing septic system and direct discharges from unserved areas. Not consistently meeting the NPDES permit requirements at the WWTP. **Solution** Construct a centralized wastewater collection system to replace the failing on-site wastewater treatment systems. Upgrade the WWTP to handle more flow and meet the NPDES requirements.
Rank 30	**Cottageville PSD** County: Jackson SRF #C: 544499 NPDES #WV: 0044466 Binding Date: 12/31/2014 Points 120.00 Needs Category: IVA,IVB	$1,200,000	$2,700,000	**Problem** Failing septic system and direct discharges from unserved areas **Solution** Construct a centralized wastewater collection system to replace the failing on-site wastewater treatment systems

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 31	**Delbarton, Town of**	$2,000,000	$5,181,000	**Problem**: 200 customers with failing septic systems in the Ragland area.
	County: Mingo SRF #C: 544201 NPDES #WV: 0042374 Binding Date: 6/30/2015			**Solution**: Construct new gravity collection system.
Points 120.00	Needs Category: IVA,IVB			
Rank 32	**Logan County PSD (Phase III B1)**	$4,340,000	$4,570,000	**Problem**: Failing septic system and direct discharges from unserved areas
	County: Logan SRF #C: 544460-01 NPDES #WV: 0033821 Binding Date: 6/30/2015			**Solution**: Construct a centralized wastewater collection system to replace the failing on-site wastewater treatment systems
Points 120.00	Needs Category: IVA,IVB			
Rank 33	**Logan County PSD (Phase III B2)**	$4,600,000	$4,900,000	**Problem**: Failing septic system and direct discharges from unserved areas
	County: Logan SRF #C: 544460-02 NPDES #WV: 0033821 Binding Date: 6/30/2015			**Solution**: Construct a centralized wastewater collection system to replace the failing on-site wastewater treatment systems
Points 120.00	Needs Category: IVA,IVB			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 34	Logan County PSD (Phase III B3)	$4,580,000	$4,780,000	**Problem:** Failing septic tanks and on-site treatment systems **Solution:** Extend sewer service to approximately 115 customers in this unserved area.
Points 120.00	County: Logan SRF #C: 544460-03 NPDES #WV: 0033821 Binding Date: 6/30/2015 Needs Category: IVA,IVB			
Rank 35	Matewan, Town of (Red Jacket)	$3,000,000	$5,380,000	**Problem:** Failing vacuum collection system and on-site systems **Solution:** New gravity system
Points 120.00	County: Mingo SRF #C: 544474 NPDES #WV: 0024783 Binding Date: 6/30/2015 Needs Category: IVA,IVB			
Rank 36	McDowell County PSD (Coalwood)	$1,372,500	$4,372,500	**Problem:** Collection System discharging untreated sewage into local waterways **Solution:** Construct a WWTP and upgrade portions of the collection system
Points 120.00	County: McDowell SRF #C: 544462 NPDES #WV: 0000000 Binding Date: 6/30/2015 Needs Category: I,IVA,IVB			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 37	**McDowell County PSD (Iaeger-Phase I)**	$5,710,000	$6,400,000	**Problem**: 130 customers with failing septic systems in the Iaeger area
	County: Mingo SRF #C: 544513 NPDES #WV: 0115011 Binding Date: 6/30/2015			**Solution**: New collection system and WWTP
Points 120.00	Needs Category: IVA,IVB			
Rank 38	**Brooke County PSD (Phase III Eldersville Rd)**	$1,000,000	$2,500,000	**Problem**: Failing septic systems
	County: Brooke SRF #C: 544006-03 NPDES #WV: 0084182 Binding Date: 9/30/2015			**Solution**: New gravity system to serve 89 customers in the areas of St. Johns Rd & Eldersville Rd
Points 115.00	Needs Category: IVA, IVB			
Rank 39	**Wellsburg, City of**	$4,000,000	$4,000,000	**Problem**: Excessive I/I - CSO
	County: Brooke SRF #C: 5444362 NPDES #WV: 0026832 Binding Date: 6/30/2015			**Solution**: Separation of storm and sanitary sewers
Points 115.00	Needs Category: VA			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 40	**Charleston, City of (Porter Hollow)** County: Kanawha SRF #C: 544270 NPDES #WV: 0023205 Binding Date: 6/30/2015 Needs Category: IIIB	$15,884,030	$15,884,030	**Problem** Combined sewer system **Solution** Replace/rehab areas of the collection system in compliance with the LTCP
Points 110.00				
Rank 41	**Shady Spring PSD (Phase II Cool Ridge/Flat Top)** County: Raleigh SRF #C: 544300-02 NPDES #WV: 0010575 Binding Date: 12/31/2014 Needs Category: IVA,IVB	$8,600,858	$8,605,858	**Problem** Failing septic tanks/leachfields along Glade Creek and Little Beaver Creek which are on the 303(d) list for impaired streams for Fecal Coliform. **Solution** Providing a new pressure sewer system to replace failing septic tanks serving 317 customers
Points 105.00				
Rank 42	**Gilbert, Town of (Justice)** County: Mingo SRF #C: 544502 NPDES #WV: 0071820 Binding Date: 6/30/2015 Needs Category: IVA,IVB	$4,398,000	$4,428,000	**Problem** 83 customers with failing septic systems in the Justice area. **Solution** Extend sewer service to unserved area
Points 100.00				

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 43	**Mason, Town of**	$2,711,000	$3,461,000	**Problem**: DEP Consent Order, improve WWTP effluent & efficiency, and decrease I/I
	County: Mason SRF #C: C544452-02 NPDES #WV: 0021849 Binding Date: 6/30/2015			**Solution**: Upgrade WWTP, rehabilitate 2 pump stations and rehab/replace 64 manholes
Points 100.00	Needs Category: I,IIIA,IIIB			
Rank 44	**Page Kincaid PSD**	$800,000	$3,000,000	**Problem**: Inadequate private septic systems, on the 303(d) list for impaired streams for Fecal Coliform
	County: Fayette SRF #C: 544396 NPDES #WV: 0084425 Binding Date: 6/30/2015			**Solution**: New service to the Robinson area.
Points 100.00	Needs Category: I, IVA			
Rank 45	**Pennsboro, City of**	$2,672,600	$5,172,600	**Problem**: WWTP unable to meet permit limits and under DEP order
	County: Ritchie SRF #C: 544409-03 NPDES #WV: 0025739 Binding Date: 6/30/2015			**Solution**: Install SBR and conversion of existing units to sludge holding tanks
Points 100.00	Needs Category: I			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 46	**Shady Spring PSD (Pluto)**	$2,959,500	$2,964,500	**Problem**: Failing septic tanks/leachfields along Glade Creek which is on the 303(d) list for impaired streams for Fecal Coliform.
	County: Raleigh SRF #C: 544410 NPDES #WV: 0080403 Binding Date: 6/30/2015			**Solution**: Providing a new pressure sewer system to replace failing septic tanks serving 72 customers
Points 100.00	Needs Category: IVA,IVB			
Rank 47	**Westover, City of**	$2,349,000	$2,364,000	**Problem**: Failing septic systems and working toward CSO compliance
	County: Monongalia SRF #C: 544435 NPDES #WV: 0024449 Binding Date: 6/30/2015			**Solution**: Extend sewer service to unserved areas and development of a CSO Long-Term Control Plan and system mapping
Points 100.00	Needs Category: IVA,IVB,V			
Rank 48	**Center PSD**	$3,634,000	$3,664,000	**Problem**: Excessive I/I, deterioration of existing collection system
	County: Wyoming SRF #C: 544268-01 NPDES #WV: 0027138 Binding Date: 6/30/2015			**Solution**: Complete I/I study and perform recommended upgrades to the sewer system
Points 95.00	Needs Category: I,IVA,IVB			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 49	**Gary, City of**	$483,000	$483,000	**Problem**: DEP consent order, excessive I/I, and deteriorated existing system
	County: McDowell SRF #C: 544501 NPDES #WV: 0020044 Binding Date: 6/30/2015			**Solution**: Repair/replace existing WWTP along with collection mains to minimize I & I
Points 95.00	Needs Category: IIIB			
Rank 50	**Greater Paw Paw PSD (Phase II)**	$2,915,000	$2,930,000	**Problem**: Excessive I/I & construct Phase II of the LTCP to reduce CSO outfalls
	County: Marion SRF #C: 544509 NPDES #WV: 0084310 Binding Date: 6/30/2015			**Solution**: Replace portions of collection system in Fairview and Orchard Hill areas
Points 95.00	Needs Category: V			
Rank 51	**Green Valley Glenwood PSD**	$1,140,000	$1,140,000	**Problem**: DEP order to eliminate SSO
	County: Mercer SRF #C: 544017 NPDES #WV: 0083186 Binding Date: 9/30/2014			**Solution**: Construct pump station & force main to send flow to UV disinfection
Points 95.00	Needs Category: VIB			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 52	**Mannington**	$2,850,000	$4,570,000	**Problem**: Inadequate capacity due to additional new customers **Solution**: Upgrade WWTP and extend sewer system to serve 38 customers
Points 95.00	County: Marion SRF #C: 544511 NPDES #WV: 0024953 Binding Date: 6/30/2015 Needs Category: I,II,IVA,IVB			
Rank 53	**Pratt, Town of**	$1,434,700	$1,434,700	**Problem**: Pump stations are unreliable, need to reduce I/I from their system and make improvements at the WWTP to comply with order # 6464 **Solution**: Rehab/abandoned pump stations and manholes and install necessary equipment at the WWTP
Points 95.00	County: Kanawha SRF #C: 544464 NPDES #WV: 0021784 Binding Date: 9/30/2014 Needs Category: I,IIIA,IIIB,IVA			
Rank 54	**Welch, City of (North Welch)**	$3,838,824	$5,089,824	**Problem**: Unserved area & existing collection system near failing septic systems. Flow meter not functional. **Solution**: WWTP collection system extension to serve 98 new customers
Points 95.00	County: McDowell SRF #C: 544217 NPDES #WV: 0024589 Binding Date: 6/30/2015 Needs Category: IIIB, IVA, IVB			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 55	**West Union, Town of (Wabash Area)** County: Doddridge SRF #C: 544441 NPDES #WV: 0020109 Binding Date: 6/30/2015 Points 95.00 Needs Category: V	$1,276,800	$2,776,800	**Problem** Working toward CSO compliance **Solution** Construction of new sanitary sewer system
Rank 56	**Oceana, Town of** County: McDowell SRF #C: 544525 NPDES #WV: 0024431 Binding Date: 6/30/2015 Points 90.00 Needs Category: II	$5,370,250	$5,370,250	**Problem** Equipment failure, exceeding over 90% rated permitted capacity **Solution** Increase the existing 500,000 gallons per day (gpd) wastewater treatment plant to 750,000 gpd.
Rank 57	**Durbin, Town of** County: Pocahontas SRF #C: 544334 NPDES #WV: 0024571 Binding Date: 6/30/2015 Points 85.00 Needs Category: I,IVA,IVB	$523,805	$2,623,805	**Problem** Separate storm & sanitary systems old & deteriorated, UV system needs replaced **Solution** Upgrade sewage treatment plant, replace disinfection system, replace storm and sanitary mains

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 58	**Huntington, City of (13th St)** County: Cabell SRF #C: 544443 NPDES #WV: 0023159 Binding Date: 6/30/2015 Points 85.00 Needs Category: I,IIIB,VI	$11,996,656	$11,996,656	**Problem** Pump station is 50 years old, suffering pipe failures, 54" mainline & magnetic meter is failing due to hydrogen sulfide, WWTP effluent line has buckled, existing fly ash lagoon is being closed out **Solution** Rehabilitate the 13 St pump station, replace 230' of 54" in force main and the magnetic meter, replace the WWTP outfall/diffuser & construct bio-retention basin to replace the fly ash lagoon.
Rank 59	**Masontown, Town of** County: Preston SRF #C: 544124 NPDES #WV: 0015627 Binding Date: 3/31/2015 Points 85.00 Needs Category: I,II	$7,680,000	$9,280,000	**Problem** Existing WWTP unable to meet NPDES Permit requirements **Solution** Upgrade existing WWTP
Rank 60	**Montgomery, 6th Avenue (Interceptors)** County: Fayette SRF #C: 544297 NPDES #WV: 0020261 Binding Date: 3/31/2015 Points 85.00 Needs Category: IIIB	$779,324	$782,324	**Problem** Failing septic systems and working toward CSO compliance, unsafe location **Solution** Upgrade/relocate pumping station, provide energy savings and safer location.

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 61	**Beckley, City of (Phase IIIB Mool & Koch Ave)** County: Raleigh SRF #C: 544491 NPDES #WV: 0023183 Binding Date: 6/30/2015 Needs Category: VA	$3,575,600	$3,602,600	**Problem** Excessive I/I **Solution** New sanitary sewers, rehab existing sewers
Points 75.00				
Rank 62	**Montgomery, City of (CS Rehab)** County: Fayette SRF #C: 544515 NPDES #WV: 0020621 Binding Date: 6/30/2015 Needs Category: IIIA	$565,000	$2,065,000	**Problem** Excessive I/I **Solution** Rehabilitate existing system
Points 75.00				
Rank 63	**Rowlesburg, Town of** County: Preston SRF #C: 544307 NPDES #WV: 0027481 Binding Date: 6/30/2015 Needs Category: I,IIIA,IVA,IVB,VI	$7,778,000	$8,778,000	**Problem** Antiquated WWTP, Excessive I/I **Solution** Install new chlorine/dechlor station, pond liners, sludge removal, aeration system, replace 3 pump stations, and replace 25,000 LF of sewer.
Points 75.00				

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 64	Cedar Grove, Town of	$500,000	$1,500,000	Problem: Severe I/I, working towards CSO compliance Solution: Line existing clay sewer lines, smoke test existing sewers & prepare CSO Long-Term Control Plan
Points 70.00	County: Kanawha SRF #C: 544280-02 NPDES #WV: 0035637 Binding Date: 6/30/2015 Needs Category: IIIB.VA			
Rank 65	Deckers Creek PSD	$2,585,000	$2,585,000	Problem: Excessive I/I Solution: Rehab/Replace areas of the collection system
Points 70.00	County: Monongalia SRF #C: 544252 NPDES #WV: 0040517 Binding Date: 6/30/2015 Needs Category: IIIA			
Rank 66	Mingo County PSD (Chattaroy)	$1,013,000	$2,513,000	Problem: Failing septic systems & sections of existing collection system are near collapse Solution: Extend sewer service to approximately 51 customers & replace sections of existing system.
Points 70.00	County: Mingo SRF #C: 544312 NPDES #WV: 0037699 Binding Date: 6/30/2015 Needs Category: IIIB.IVA.IVB			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 67	**Montgomery, City of (WWTP Improvements)**	$5,335,000	$6,835,000	**Problem**: WWTP is unable to handle peak flows
	County: Fayette SRF #C: 544516 NPDES #WV: 0020621 Binding Date: 6/30/2015			**Solution**: Construct two new clarifiers & upgrade the disinfection system
Points 70.00	Needs Category: I			
Rank 68	**Oak Hill, City of**	$14,000,000	$14,000,000	**Problem**: Excessive I/I, causing bypasses at the WWTP
	County: Fayette SRF #C: 544535 NPDES #WV: 0022028 Binding Date: 3/31/2015			**Solution**: Upgrade both WWTP's and repair and/or replace collection system
Points 70.00	Needs Category: I,IIIA			
Rank 69	**Franklin, Town of**	$1,140,900	$3,040,900	**Problem**: Failing septic systems, Excessive I/I, collection lines are failing
	County: Pendleton SRF #C: 544289 NPDES #WV: 0024970 Binding Date: 3/31/2015			**Solution**: Upgrade WWTP, new pump station, replace existing liners, replace floating baffles, upgrade chlorination system, bar screen improvements, new manholes & sewer line
Points 60.00	Needs Category: I,IIIA			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 70	**Berkeley County PSSD (WWTP Upgrades)** County: Berkeley SRF #C: 544492 NPDES #WV: 0082759 Binding Date: 9/30/2014 Points 55.00 Needs Category: II	$37,072,922	$47,738,000	**Problem** Existing WWTP unable to meet NPDES Permit requirements, need to comply with Chesapeake Bay nutrient discharge requirements **Solution** Upgrade (4) WWTPs to comply with Chesapeake Bay nutrient discharge requirements
Rank 71	**Culloden PSD** County: Cabell SRF #C: 544360 NPDES #WV: 0027731 Binding Date: 6/30/2015 Points 55.00 Needs Category: IIIB,IVA,IVB	$1,790,313	$3,790,313	**Problem** Not connected to public collection and treatment system. **Solution** Extend CS to serve 117 customers in the Holly Brook, Martin Lane, Pine Grove, Columbia Road, and Cloverleaf Circle areas.
Rank 72	**St. Albans** County: Kanawha SRF #C: 544489 NPDES #WV: 0023175 Binding Date: 6/30/2015 Points 55.00 Needs Category: I,IVA	$4,447,980	$4,447,980	**Problem** Aged UV disinfection system has become problematic, aged problematic sludge press & digester aeration equipment, aged problematic lift stations **Solution** Improve plant electrical efficiency, new disinfection system, sludge press, aeration equipment, replace 6 lift stations, force mains

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 73	**Harpers Ferry-Bolivar PSD**	$2,011,695	$2,011,695	**Problem**: Replace aging critical assets identified in the Asset Management Plan **Solution**: Upgrade existing system, (i.e. blowers, diffusers, disinfection, & electrical controls)
Points 50.00	County: Jefferson SRF #C: 544504 NPDES #WV: 0039136 Binding Date: 6/30/2015 Needs Category: I			
Rank 74	**Meadow Creek PSD**	$570,000	$2,348,112	**Problem**: Deteriorated WWTP, customers not connected to public collection and treatment system. **Solution**: Replace WWTP and extend CS to serve 24 customers.
Points 50.00	County: Summers SRF #C: 544514 NPDES #WV: 0055074 Binding Date: 6/30/2015 Needs Category: I.IVA.IVB			
Rank 75	**Paden City**	$2,919,480	$2,919,480	**Problem**: Excessive I/I **Solution**: Reduce I/I, replace a portion of existing sewer system, rehabilitate manholes, separate storm structures
Points 50.00	County: Wetzel/Tyler SRF #C: 544418 NPDES #WV: 0020613 Binding Date: 6/30/2015 Needs Category: IIIA			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 76	Cairo, Town of	$1,503,325	$2,503,325	Problem: Failing WWTP and Pumping equipment
County: Ritchie				Solution: Build a new WWTP, rehabilitate 6 pump stations, replace manholes and part of gravity sewer.
SRF #C: 547101				
NPDES #WV: 0084212				
Binding Date: 6/30/2015				
Points 45.00	Needs Category: I.IIIA			
Rank 77	Matewan, Town of (WWTP replacement)	$6,135,000	$6,160,000	Problem: DEP Enforcement Action; unable to meet NPDES Permit requirements
County: Mingo				Solution: Upgrade WWTP
SRF #C: 544534				
NPDES #WV: 0024783				
Binding Date: 6/30/2015				
Points 45.00	Needs Category: I			
Rank 78	Mount Zion PSD	$1,035,000	$1,035,000	Problem: Antiquated WWTP and pump stations
County: Calhoun				Solution: Construct new WWTP, rehabilitate pump stations and upgrade portion of collection system
SRF #C: 544521				
NPDES #WV: 0101702				
Binding Date: 6/30/2015				
Points 45.00	Needs Category: I.IIIB			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 79	**Preston County Sewer PSD (Bruceton Mills)**	$2,867,500	$2,872,500	**Problem:** Antiquated equipment at both the WWTP and Brandonville pump station **Solution:** Upgrade WWTP and pump station
Points 45.00	County: Preston SRF #C: 544538 NPDES #WV: 0025101 Binding Date: 6/30/2015 Needs Category: I,IIIB			
Rank 80	**West Dunbar PSD**	$6,000,000	$7,500,000	**Problem:** Excessive I/I **Solution:** Rehabilitate all existing pump stations & replace/rehab all VCP lines
Points 45.00	County: Kanawha SRF #C: 544168 NPDES #WV: 0089591 Binding Date: 6/30/2015 Needs Category: IIIA, IIIB			
Rank 81	**Alderson, Town of**	$3,770,229	$5,154,564	**Problem:** Existing WWTP unable to meet NPDES Permit requirements, need to comply with Greenbrier River restoration plan and failing lift stations beyond useful life. **Solution:** Add tertiary treatment process for phosphorus, add UV disinfection, and replace 3 lift stations.
Points 40.00	County: Greenbrier SRF #C: 544034 NPDES #WV: 0024881 Binding Date: 3/31/2015 Needs Category: I,II,IIIB			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 82	**Petersburg, City of**	$4,682,203	$8,658,475	**Problem:** Existing WWTP unable to meet NPDES permit requirements, need to comply with Chesapeake Bay nutrient discharge requirements **Solution:** Retrofit existing oxidation ditches and adding a 4th oxidation ditch & filters
Points 40.00	County: Grant SRF #C: 544536 NPDES #WV: 0021792 Binding Date: 12/31/2014 Needs Category: II			
Rank 83	**Williamstown (CS Rehab)**	$295,000	$300,000	**Problem:** Four problematic sewer lines that cross under the CSX railroad **Solution:** Eliminate 3 of the crossings with a new 8" gravity line and replace the 4th with a new 12" bored gravity sewer line.
Points 40.00	County: Wood SRF #C: 544386 NPDES #WV: 0022071 Binding Date: 6/30/2015 Needs Category: IIIB			
Rank 84	**White Sulphur Springs, City of**	$1,730,760	$2,889,600	**Problem:** Existing WWTP can't meet Greenbrier River phosphorus requirements. **Solution:** Add phosphorus removal process to WWTP
Points 30.00	County: Greenbrier SRF #C: 544035 NPDES #WV: 0084000 Binding Date: 3/31/2015 Needs Category: I,II			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 85	**Beverly, Town of** County: Randolph SRF #C: 544336-02 NPDES #WV: 0045136 Binding Date: 6/30/2015 Points 25.00 Needs Category: I,IIIA	$5,300,000	$6,905,390	**Problem** WWTP exceeding design flow because of excessive I/I and pumping stations are deteriorated. **Solution** Upgrade existing WWTP increase capacity to 500,000 GPD, rehab existing pump stations
Rank 86	**Central Boaz PSD** County: Wood SRF #C: 544059 NPDES #WV: 0084221 Binding Date: 6/30/2015 Points 25.00 Needs Category: IVA,IVB	$2,059,400	$2,069,400	**Problem** Unserved area along WV RT 14 and existing WWTP aeration & decanting systems aren't functioning properly & UV disinfection has reached the end of its useful life. **Solution** Construct a pressure sewer system to serve the WV RT 14 area, upgrade the existing WWTP and replace vacuum pits.
Rank 87	**Colfax PSD** County: Marion SRF #C: 544333 NPDES #WV: 0032131 Binding Date: 6/30/2015 Points 25.00 Needs Category: IIIA,IVA,IVB	$641,500	$2,141,500	**Problem** WWTP on unstable ground, excessive I/I, overflows during high flow periods **Solution** Construct new sanitary sewer system; abandon WWTP and connect the system to Kingmill Valley PSD

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 88	Greater Harrison County PSD (Phase II/Rt. 73)	$21,071,600	$21,571,600	**Problem:** Failing package plant and severe I/I issues **Solution:** Construct new WWTP and collection system
Points 25.00	County: Harrison SRF #C: 544451 NPDES #WV: 0084301 Binding Date: 3/31/2015 Needs Category: I,IVA,IVB			
Rank 89	Malden PSD	$20,070,238	$20,107,000	**Problem:** Inadequate capacity to treat peak flows, excessive I/I, deteriorated force mains. Under Consent Order. **Solution:** Construct a new WWTP, install new force mains, & line existing gravity sewers to eliminate I/I
Points 25.00	County: Kanawha SRF #C: 544480 NPDES #WV: 0050610 Binding Date: 3/31/2015 Needs Category: I,IIIA,IIIB			
Rank 90	Morgantown, City of (Sunshine Estates)	$662,300	$1,640,000	**Problem:** Failing package plant in Sunshine Estates area. **Solution:** Extension to eliminate the package plant and upgrade collection system
Points 25.00	County: Monongalia SRF #C: 544518 NPDES #WV: 0083071 Binding Date: 9/30/2014 Needs Category: IVA,IVB			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 91	**Vienna**	$2,676,000	$2,676,000	**Problem**: Lift station and package plant maintenance issues **Solution**: Extension of service along 46th Street and Rosmar Rd. in order to eliminate a package plant and 3 lift stations.
Points 25.00	County: Wood SRF #C: 544233 NPDES #WV: 0023221 Binding Date: 6/30/2015 Needs Category: IVB			
Rank 92	**Center PSD**	$1,485,000	$9,805,000	**Problem**: 150 additional customers needs sewer service **Solution**: Sewer collection system extension and pump stations, as needed to serve 150 new customers.
Points 20.00	County: Wyoming SRF #C: 544268-02 NPDES #WV: 0027138 Binding Date: 6/30/2015 Needs Category: IVA,IVB			
Rank 93	**Morgantown, City of (Bakers Ridge)**	$3,380,000	$5,500,000	**Problem**: Package plants not meeting permit limits **Solution**: Extend collection system to eliminate the package plants
Points 20.00	County: Monongalia SRF #C: 544512 NPDES #WV: 0023124 Binding Date: 6/30/2015 Needs Category: IVA,IVB			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 94	**Oakvale Road PSD** County: Mercer SRF #C: 544524 NPDES #WV: 0080489 Binding Date: 6/30/2015 Points 20.00 Needs Category: IVA,IVB	$1,500,000	$4,484,000	**Problem** Not connected to public collection and treatment system. **Solution** Extend CS to serve 288 customers in Hilltop Drive, Halls Ridge Road, Pisgah Road, and Green Acres subdivision and to abandon the Green Acres package plant.
Rank 95	**Sun Valley PSD** County: Harrison SRF #C: 544359 NPDES #WV: 0010466 Binding Date: 6/30/2015 Points 20.00 Needs Category: IVA, IVB	$3,020,000	$3,040,000	**Problem** Not connected to public collection and treatment system. **Solution** Extend CS to serve 95 customers in the Davisson Run, Old Davisson Run, and Wilsonburg areas.
Rank 96	**Hancock PSD** County: Hancock SRF #C: 544431 NPDES #WV: 0105848 Binding Date: 6/30/2015 Points 00.00 Needs Category: IVA,IVB	$5,500,000	$6,300,000	**Problem** Unserved area in Chester **Solution** Sewer extension to 160 customers along US Rt. 30

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

Rank / Points	Project	SRF Loan Amount	Total Costs	Problem / Solution
Rank 97	Northern Wayne County PSD (Dock's Creek)	$3,203,588	$4,203,588	**Problem**: Undersized/high maintenance grinder system & failing septic systems.
	County: Wayne SRF #C: 544402 NPDES #WV: 0089621 Binding Date: 6/30/2015			**Solution**: Replace system with gravity collection & pick up 256 new customers
Points 00.00	Needs Category: IVA,IVB			

Needs Category Definitions: I. Secondary Treatment - II. Advance Treatment - IIIA. I/I Correction - IIIB. Major Sewer Rehab - IVA. New Collector Sewer - IVB. New Interceptor Sewer - V. CSO Correction - VI Storm Water Controls - XII Green

APPENDIX B

PROPOSED BINDING COMMITMENTS BY QUARTER

Appendix B - Binding Commitments and Cash Draw Proportionality
Projects Budgeted for the Federal FY 2014 Grant

Name	Equiv.	Project Scope	Proj Num C-544___	Activity Code	State Fiscal Year 2015 ($1,000) 1st Qtr July-Sept	2nd Qtr Oct-Dec	3rd Qtr Jan-Mar	4th Qtr Apr-June
Keyser	N	Ch. Bay Upgrade		D2	20,400			
Ronceverte	N	Greenbrier River Upgrade		D3		17,863		
DEP Administration	n/a	n/a	n/a	n/a		0		
Total Projects and Admin					20,400	17,863	0	0

Federal Share (0.8333)					$16,999.32	14,885	0	0	31,885
State Share (0.1667)					$3,400.68	2,978	0	0	6,378
Total**					$20,400.00	17,863	0	0	38,263

Payment Schedule for the CWSRF Program: CS-540001-13

Federal Quarter	Payment Date	CWSRF Amount	Cumulative Amount
		$21,856,000	$21,856,000

Activity Codes
P - facilities planning underway
D - design underway
D2 - design under review at DEP
D3 - design approved by DEP/bid process underway

* No administrative costs will be used in this grant.
** Any amounts exceeding the grant amount will come from repayments.

APPENDIX C

PROJECTS BUDGETED FOR IUP AVAILABLE FUNDS

Appendix C - Projects Budgeted for FY 2015 Intended Use Plan

Name	Equiv.	Project Scope	Proj Num C-544___	Activity Code	State Fiscal Year 2015 ($1,000) 1st Qtr July-Sept	2nd Qtr Oct-Dec	3rd Qtr Jan-Mar	4th Qtr Apr-June
Frankfort PSD	N	Coll. Sys. Ext.	411-02	D3	17,350			
Green Valley/Glenwood PSD	N	WWTP Upgrade	17	D3		1,135		
Keyser	N	C. Bay WWTP	023-03	D2	20,400			
Pea Ridge PSD	N	Coll. Sys. Ext./WWTP	442	D3			9,926	
Pratt	N	Coll. Sys. Upgrade	464	D3	1,434			
Ronceverte	N	Greenbrier R. WWTP	267	D3		17,863		
DEP Administration	n/a	n/a	n/a	n/a		0		
NPS - Agriculture	BMP	various	N/A	N/A	25	25	25	
NPS - Onsite	BMP	various	N/A	N/A	300			
				sub-total	39,509	19,023	9,951	0
							grand total	68,483

The projects identified above are forecasted based upon the known current status of the project and individual knowledge as to readiness to proceed to construction within one year of receiving a binding commitment. Other projects not identified here may also receive a binding commitment if they proceed on a faster pace than expected or receive funding commitments from other agencies which requires a CWSRF commitment.

Activity Codes

P - facilities planning underway
D - design underway
D2 - design under review at DEP
D3 - design approved by DEP/bid process underway
R - refinancing

APPENDIX D

PUBLIC HEARING SUMMARY

APPENDIX E

MEDIAN HOUSEHOLD INCOME BY COUNTY AND MAGISTERIAL DISTRICT

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2010 CENSUS
COUNTY & MAGISTERIAL DISTRICTS

County/Magisterial District	Median HH Income	1.50%	1.75%	2.00%
Barbour	31,212	39.02	45.52	52.02
North district	32,009	40.01	46.68	53.35
South district	31,628	39.54	46.12	52.71
West district	28,750	35.94	41.93	47.92
Berkeley	52,857	66.07	77.08	88.10
Adam Stephens district	31,280	39.10	45.62	52.13
Norborne district	76,826	96.03	112.04	128.04
Potomac district	54,637	68.30	79.68	91.06
Shenandoah district	58,956	73.70	85.98	98.26
Tuscarora district	52,756	65.95	76.94	87.93
Valley district	59,740	74.68	87.12	99.57
Boone	38,783	48.48	56.56	64.64
District 1	43,910	54.89	64.04	73.18
District 2	37,721	47.15	55.01	62.87
District 3	40,033	50.04	58.38	66.72
Braxton	32,158	40.20	46.90	53.60
Eastern district	38,803	48.50	56.59	64.67
Northern district	35,273	44.09	51.44	58.79
Southern district	26,131	32.66	38.11	43.55
Western district	28,681	35.85	41.83	47.80
Brooke	39,475	49.34	57.57	65.79
Follansbee district	40,775	50.97	59.46	67.96
Weirton district	36,615	45.77	53.40	61.03
Wellsburg district	41,674	52.09	60.77	69.46
Cabell	34,492	43.12	50.30	57.49
District 1	35,245	44.06	51.40	58.74
District 2	23,279	29.10	33.95	38.80
District 3	28,683	35.85	41.83	47.81
District 4	46,647	58.31	68.03	77.75
District 5	43,378	54.22	63.26	72.30
Calhoun	26,922	33.65	39.26	44.87
District 1	31,250	39.06	45.57	52.08
District 2	29,601	37.00	43.17	49.34
District 3	27,134	33.92	39.57	45.22
District 4	24,745	30.93	36.09	41.24
District 5	23,345	29.18	34.04	38.91
Clay	30,789	38.49	44.90	51.32
District A	25,764	32.21	37.57	42.94
District B	28,594	35.74	41.70	47.66
District C	40,651	50.81	59.28	67.75
Doddridge	30,019	37.52	43.78	50.03

Beech district	33,207	41.51	48.43	55.35
Maple district	27,250	34.06	39.74	45.42
Oak district	37,115	46.39	54.13	61.86
Pine district	25,891	32.36	37.76	43.15
Fayette	31,912	39.89	46.54	53.19
New Haven district	35,399	44.25	51.62	59.00
Plateau district	28,757	35.95	41.94	47.93
Valley district	31,392	39.24	45.78	52.32
Gilmer	29,706	37.13	43.32	49.51
Center district	25,482	31.85	37.16	42.47
City district	30,951	38.69	45.14	51.59
De Kalb - Troy district	32,552	40.69	47.47	54.25
Glenville district	29,375	36.72	42.84	48.96
Grant	35,593	44.49	51.91	59.32
Grant district	34,750	43.44	50.68	57.92
Milroy district	34,260	42.83	49.96	57.10
Union district	41,204	51.51	60.09	68.67
Greenbrier	33,732	42.17	49.19	56.22
Central district	39,284	49.11	57.29	65.47
Eastern district	31,720	39.65	46.26	52.87
Western district	29,478	36.85	42.99	49.13
Hampshire	31,792	39.74	46.36	52.99
Bloomery district	40,192	50.24	58.61	66.99
Capon district	27,148	33.94	39.59	45.25
Gore district	32,254	40.32	47.04	53.76
Mill Creek district	35,759	44.70	52.15	59.60
Romney district	22,923	28.65	33.43	38.21
Sherman district	34,321	42.90	50.05	57.20
Springfield district	35,884	44.86	52.33	59.81
Hancock	38,565	48.21	56.24	64.28
Butler district	42,197	52.75	61.54	70.33
Clay district	38,300	47.88	55.85	63.83
Grant district	32,378	40.47	47.22	53.96
Hardy	31,347	39.18	45.71	52.25
Capon district	33,207	41.51	48.43	55.35
Lost River district	26,889	33.61	39.21	44.82
Moorefield district	25,131	31.41	36.65	41.89
Old Fields district	37,064	46.33	54.05	61.77
South Fork district	40,969	51.21	59.75	68.28
Harrison	39,191	48.99	57.15	65.32
Eastern district	55,881	69.85	81.49	93.14
Northern district	34,730	43.41	50.65	57.88
North Urban district	26,415	33.02	38.52	44.03
Southern district	42,144	52.68	61.46	70.24
South Urban district	37,945	47.43	55.34	63.24
Southeast district	39,241	49.05	57.23	65.40
Jackson	41,406	51.76	60.38	69.01

Eastern district	43,823	54.78	63.91	73.04
Northern district	36,288	45.36	52.92	60.48
Western district	45,315	56.64	66.08	75.53
Jefferson	65,603	82.00	95.67	109.34
Charles Town district	48,734	60.92	71.07	81.22
Harpers Ferry district	72,779	90.97	106.14	121.30
Kabletown district	75,167	93.96	109.62	125.28
Middleway district	55,957	69.95	81.60	93.26
Shepherdstown district	85,289	106.61	124.38	142.15
Kanawha	42,669	53.34	62.23	71.12
District 1	36,969	46.21	53.91	61.62
District 2	46,625	58.28	67.99	77.71
District 3	43,952	54.94	64.10	73.25
District 4	41,904	52.38	61.11	69.84
Lewis	33,293	41.62	48.55	55.49
Courthouse - Collins Settlement district	28,196	35.25	41.12	46.99
Freemans Creek district	36,753	45.94	53.60	61.26
Hackers Creek - Skin Creek district	33,431	41.79	48.75	55.72
Lincoln	30,868	38.59	45.02	51.45
Carroll district	30,764	38.46	44.86	51.27
Duval district	39,592	49.49	57.74	65.99
Harts district	32,543	40.68	47.46	54.24
Jefferson district	24,714	30.89	36.04	41.19
Laurel Hill district	29,329	36.66	42.77	48.88
Sheridan district	26,800	33.50	39.08	44.67
Union district	31,250	39.06	45.57	52.08
Washington district	29,485	36.86	43.00	49.14
Logan	35,465	44.33	51.72	59.11
Central district	33,298	41.62	48.56	55.50
Eastern district	35,511	44.39	51.79	59.19
Western district	38,145	47.68	55.63	63.58
Marion	38,115	47.64	55.58	63.53
Middletown district	32,983	41.23	48.10	54.97
Palatine district	42,667	53.33	62.22	71.11
West Augusta district	37,506	46.88	54.70	62.51
Marshall	34,419	43.02	50.19	57.37
District 1	37,141	46.43	54.16	61.90
District 2	29,383	36.73	42.85	48.97
District 3	36,174	45.22	52.75	60.29
Mason	36,027	45.03	52.54	60.05
Arbuckle district	39,885	49.86	58.17	66.48
Clendenin district	32,445	40.56	47.32	54.08
Cologne district	33,042	41.30	48.19	55.07
Cooper district	40,000	50.00	58.33	66.67
Graham district	32,104	40.13	46.82	53.51
Hannan district	34,761	43.45	50.69	57.94
Lewis district	42,410	53.01	61.85	70.68

Robinson district	28,875	36.09	42.11	48.13
Union district	31,190	38.99	45.49	51.98
Waggener district	35,609	44.51	51.93	59.35
McDowell	22,154	27.69	32.31	36.92
Big Creek district	19,494	24.37	28.43	32.49
Browns Creek district	25,486	31.86	37.17	42.48
North Elkin district	23,273	29.09	33.94	38.79
Sandy River district	22,137	27.67	32.28	36.90
Mercer	32,131	40.16	46.86	53.55
District I	30,510	38.14	44.49	50.85
District II	32,496	40.62	47.39	54.16
District III	33,617	42.02	49.02	56.03
Mineral	36,571	45.71	53.33	60.95
District 1	38,969	48.71	56.83	64.95
District 2	27,951	34.94	40.76	46.59
District 3	43,517	54.40	63.46	72.53
Mingo	32,902	41.13	47.98	54.84
Beech Ben Mate district	32,796	41.00	47.83	54.66
Kermit Harvey district	24,899	31.12	36.31	41.50
Lee district	38,553	48.19	56.22	64.26
Magnolia district	33,142	41.43	48.33	55.24
Stafford district	32,940	41.18	48.04	54.90
Tug Hardee district	41,042	51.30	59.85	68.40
Williamson district	28,829	36.04	42.04	48.05
Monongalia	39,167	48.96	57.12	65.28
Central district	26,069	32.59	38.02	43.45
Eastern district	45,192	56.49	65.91	75.32
Western district	44,689	55.86	65.17	74.48
Monroe	39,574	49.47	57.71	65.96
Central district	38,342	47.93	55.92	63.90
Eastern district	43,874	54.84	63.98	73.12
Western district	35,943	44.93	52.42	59.91
Morgan	37,281	46.60	54.37	62.14
District 1	25,271	31.59	36.85	42.12
District 2	36,315	45.39	52.96	60.53
District 3	44,375	55.47	64.71	73.96
Nicholas	38,457	48.07	56.08	64.10
Beaver district	26,623	33.28	38.83	44.37
Grant district	41,488	51.86	60.50	69.15
Hamilton district	44,718	55.90	65.21	74.53
Jefferson district	37,420	46.78	54.57	62.37
Kentucky district	43,425	54.28	63.33	72.38
Summersville district	43,114	53.89	62.87	71.86
Wilderness district	45,163	56.45	65.86	75.27
Ohio	39,669	49.59	57.85	66.12
District 1	48,107	60.13	70.16	80.18
District 2	28,470	35.59	41.52	47.45

District 3	41,625	52.03	60.70	69.38
Pendleton	33,323	41.65	48.60	55.54
Central district	40,000	50.00	58.33	66.67
Eastern district	31,607	39.51	46.09	52.68
Western district	30,742	38.43	44.83	51.24
Pleasants	38,882	48.60	56.70	64.80
District A	51,893	64.87	75.68	86.49
District B	26,851	33.56	39.16	44.75
District C	40,446	50.56	58.98	67.41
District D	48,750	60.94	71.09	81.25
Pocahontas	32,161	40.20	46.90	53.60
Edray district	31,923	39.90	46.55	53.21
Greenbank district	37,188	46.49	54.23	61.98
Huntersville district	31,161	38.95	45.44	51.94
Little Levels district	30,755	38.44	44.85	51.26
Preston	40,753	50.94	59.43	67.92
Fifth district	37,666	47.08	54.93	62.78
First district	45,297	56.62	66.06	75.50
Fourth district	34,673	43.34	50.56	57.79
Second district	44,432	55.54	64.80	74.05
Third district	42,798	53.50	62.41	71.33
Putnam	52,618	65.77	76.73	87.70
Buffalo - Union district	44,398	55.50	64.75	74.00
Curry district	45,387	56.73	66.19	75.65
Pocatalico district	41,023	51.28	59.83	68.37
Scott district	67,500	84.38	98.44	112.50
Teays district	75,385	94.23	109.94	125.64
Raleigh	38,036	47.55	55.47	63.39
District 1	41,325	51.66	60.27	68.88
District 2	33,871	42.34	49.40	56.45
District 3	37,058	46.32	54.04	61.76
Randolph	36,176	45.22	52.76	60.29
Beverly district	37,020	46.28	53.99	61.70
Dry Fork district	35,634	44.54	51.97	59.39
Huttonsville district	27,117	33.90	39.55	45.20
Leadsville district	37,736	47.17	55.03	62.89
Middle Fork district	35,469	44.34	51.73	59.12
Mingo district	30,972	38.72	45.17	51.62
New Interest district	46,042	57.55	67.14	76.74
Roaring Creek district	32,561	40.70	47.48	54.27
Valley Bend district	41,786	52.23	60.94	69.64
Ritchie	32,619	40.77	47.57	54.37
Clay district	34,702	43.38	50.61	57.84
Grant district	34,948	43.69	50.97	58.25
Murphy district	25,602	32.00	37.34	42.67
Union district	30,972	38.72	45.17	51.62
Roane	27,428	34.29	40.00	45.71

District 1	31,866	39.83	46.47	53.11
District 2	22,823	28.53	33.28	38.04
District 3	28,614	35.77	41.73	47.69
Summers	27,720	34.65	40.43	46.20
Bluestone River district	27,857	34.82	40.62	46.43
Greenbrier River district	29,984	37.48	43.73	49.97
New River district	26,483	33.10	38.62	44.14
Taylor	36,956	46.20	53.89	61.59
Eastern district	32,669	40.84	47.64	54.45
Tygart district	30,592	38.24	44.61	50.99
Western district	46,278	57.85	67.49	77.13
Tucker	32,712	40.89	47.71	54.52
Black Fork district	35,813	44.77	52.23	59.69
Clover district	30,234	37.79	44.09	50.39
Davis district	17,961	22.45	26.19	29.94
Dry Fork district	50,052	62.57	72.99	83.42
Fairfax district	31,417	39.27	45.82	52.36
Licking district	9,333	11.67	13.61	15.56
St. George district	39,688	49.61	57.88	66.15
Tyler	33,496	41.87	48.85	55.83
Central district	29,138	36.42	42.49	48.56
North district	36,250	45.31	52.86	60.42
South district	32,440	40.55	47.31	54.07
West district	31,944	39.93	46.59	53.24
Upshur	36,114	45.14	52.67	60.19
First district	35,595	44.49	51.91	59.33
Second district	33,974	42.47	49.55	56.62
Third district	38,009	47.51	55.43	63.35
Wayne	35,079	43.85	51.16	58.47
Butler district	35,114	43.89	51.21	58.52
Ceredo district	38,555	48.19	56.23	64.26
Stonewall district	28,994	36.24	42.28	48.32
Union district	39,031	48.79	56.92	65.05
Westmoreland district	36,239	45.30	52.85	60.40
Webster	28,025	35.03	40.87	46.71
Central district	26,198	32.75	38.21	43.66
Northern district	23,686	29.61	34.54	39.48
Southern district	32,089	40.11	46.80	53.48
Wetzel	36,636	45.80	53.43	61.06
District 1	36,370	45.46	53.04	60.62
District 2	37,556	46.95	54.77	62.59
District 3	36,282	45.35	52.91	60.47
Wirt	36,705	45.88	53.53	61.18
Central district	42,712	53.39	62.29	71.19
Northeast district	34,821	43.53	50.78	58.04
Southwest district	31,643	39.55	46.15	52.74
Wood	42,146	52.68	61.46	70.24

Clay district	45,625	57.03	66.54	76.04
Harris district	38,229	47.79	55.75	63.72
Lubeck district	48,184	60.23	70.27	80.31
Parkersburg district	34,208	42.76	49.89	57.01
Slate district	53,295	66.62	77.72	88.83
Steele district	47,000	58.75	68.54	78.33
Tygart district	35,710	44.64	52.08	59.52
Union district	55,192	68.99	80.49	91.99
Walker district	56,458	70.57	82.33	94.10
Williams district	53,094	66.37	77.43	88.49
Wyoming	36,343	45.43	53.00	60.57
District 1	35,580	44.48	51.89	59.30
District 2	36,975	46.22	53.92	61.63
District 3	35,440	44.30	51.68	59.07

Source: US Census Bureau American Fact Finder
http://factfinder2.census.gov/faces/nav/jsf/pages/guided_search.xhtml

APPENDIX E1

MEDIAN HOUSEHOLD INCOME BY MUNICIPALITY

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2010 CENSUS
MUNICIPALITIES

MUNICIPALITIES	Median HH Income	Average Bill based on % MHI		
		1.50%	1.75%	2.00%
A				
Addison (Webster Springs), town	22,283	27.85	32.50	37.14
Albright, town	33,036	41.30	48.18	55.06
Alderson , town	25,469	31.84	37.14	42.45
Anawalt, town	41,750	52.19	60.89	69.58
Anmoore, town	22,756	28.45	33.19	37.93
Ansted, town	27,885	34.86	40.67	46.48
Athens, town	46,944	58.68	68.46	78.24
Auburn, town	10,625	13.28	15.49	17.71
B				
Bancroft, town	30,288	37.86	44.17	50.48
Barboursville, village	51,574	64.47	75.21	85.96
Barrackville, town	44,427	55.53	64.79	74.05
Bath (Berkeley Springs), town	36,350	45.44	53.01	60.58
Bayard, town	30,156	37.70	43.98	50.26
Beckley, city	31,480	39.35	45.91	52.47
Beech Bottom, village	30,667	38.33	44.72	51.11
Belington, town	29,803	37.25	43.46	49.67
Belle, town	33,824	42.28	49.33	56.37
Belmont, city	28,750	35.94	41.93	47.92
Benwood, city	29,955	37.44	43.68	49.93
Bethany, town	45,938	57.42	66.99	76.56
Bethlehem, village	60,896	76.12	88.81	101.49
Beverly, town	25,481	31.85	37.16	42.47
Blacksville, town	31,250	39.06	45.57	52.08
Bluefield, city	31,371	39.21	45.75	52.29
Bolivar, town	52,045	65.06	75.90	86.74
Bradshaw, town	17,292	21.62	25.22	28.82
Bramwell, town	26,563	33.20	38.74	44.27
Brandonville, town	19,375	24.22	28.26	32.29
Bridgeport, city	66,318	82.90	96.71	110.53
Bruceton Mills, town	64,583	80.73	94.18	107.64
Buckhannon, city	34,425	43.03	50.20	57.38
Buffalo, town	39,286	49.11	57.29	65.48
Burnsville, town	27,031	33.79	39.42	45.05
C				
Cairo, town	24,688	30.86	36.00	41.15
Camden-on-Gauley, town	21,875	27.34	31.90	36.46
Cameron, city	22,500	28.13	32.81	37.50
Capon Bridge, town	30,690	38.36	44.76	51.15
Carpendale, town	37,946	47.43	55.34	63.24
Cedar Grove, town	30,370	37.96	44.29	50.62
Ceredo, city	23,244	29.06	33.90	38.74

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2010 CENSUS
MUNICIPALITIES

MUNICIPALITIES	Median HH Income	Average Bill based on % MHI		
		1.50%	1.75%	2.00%
Chapmanville, town	41,471	51.84	60.48	69.12
Charleston, city	42,133	52.67	61.44	70.22
Charles Town, city	56,926	71.16	83.02	94.88
Chesapeake, town	36,958	46.20	53.90	61.60
Chester, city	38,795	48.49	56.58	64.66
Clarksburg, city	32,078	40.10	46.78	53.46
Clay, town	16,750	20.94	24.43	27.92
Clearview, village	52,083	65.10	75.95	86.81
Clendenin, town	32,045	40.06	46.73	53.41
Cowen, town	30,652	38.32	44.70	51.09
D				
Danville, town	28,000	35.00	40.83	46.67
Davis, town	18,947	23.68	27.63	31.58
Davy, town	23,594	29.49	34.41	39.32
Delbarton, town	24,074	30.09	35.11	40.12
Dunbar, city	43,217	54.02	63.02	72.03
Durbin, town	27,273	34.09	39.77	45.46
E				
East Bank, town	45,938	57.42	66.99	76.56
Eleanor, town	30,150	37.69	43.97	50.25
Elizabeth, town	25,417	31.77	37.07	42.36
Elk Garden, town	30,690	38.36	44.76	51.15
Elkins, city	34,705	43.38	50.61	57.84
Ellenboro, town	34,375	42.97	50.13	57.29
F				
Fairmont, city	33,110	41.39	48.29	55.18
Fairview, town	32,500	40.63	47.40	54.17
Falling Spring, town	33,438	41.80	48.76	55.73
Farmington, town	33,250	41.56	48.49	55.42
Fayetteville, town	42,667	53.33	62.22	71.11
Flatwoods, town	22,153	27.69	32.31	36.92
Flemington, town	39,792	49.74	58.03	66.32
Follansbee, city	40,625	50.78	59.24	67.71
Fort Gay, town	17,727	22.16	25.85	29.55
Franklin, town	32,784	40.98	47.81	54.64
Friendly, town	25,833	32.29	37.67	43.06
G				
Gary, city	23,594	29.49	34.41	39.32
Gassaway, town	31,667	39.58	46.18	52.78
Gauley Bridge, town	20,750	25.94	30.26	34.58
Gilbert, town	26,250	32.81	38.28	43.75
Glasgow, town	31,458	39.32	45.88	52.43
Glen Dale, city	48,869	61.09	71.27	81.45

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2010 CENSUS
MUNICIPALITIES

MUNICIPALITIES	Median HH Income	Average Bill based on % MHI		
		1.50%	1.75%	2.00%
Glenville, town	29,333	36.67	42.78	48.89
Grafton, city	26,494	33.12	38.64	44.16
Grantsville, town	28,173	35.22	41.09	46.96
Grant Town, town	27,115	33.89	39.54	45.19
Granville, town	29,375	36.72	42.84	48.96
H				
Hambleton, town	35,417	44.27	51.65	59.03
Hamlin, town	26,343	32.93	38.42	43.91
Handley, town	23,000	28.75	33.54	38.33
Harman, town	18,000	22.50	26.25	30.00
Harpers Ferry, town	69,167	86.46	100.87	115.28
Harrisville, town	34,545	43.18	50.38	57.58
Hartford City, town	32,697	40.87	47.68	54.50
Hedgesville, town	41,458	51.82	60.46	69.10
Henderson, town	16,771	20.96	24.46	27.95
Hendricks, town	45,833	57.29	66.84	76.39
Hillsboro, town	20,625	25.78	30.08	34.38
Hinton, city	18,750	23.44	27.34	31.25
Hundred, town	22,292	27.87	32.51	37.15
Huntington, city	27,858	34.82	40.63	46.43
Hurricane, city	54,770	68.46	79.87	91.28
Huttonsville, town	17,917	22.40	26.13	29.86
I				
Iaeger, town	21,500	26.88	31.35	35.83
J				
Jane Lew, town	29,130	36.41	42.48	48.55
Junior, town	16,667	20.83	24.31	27.78
K				
Kenova, city	31,406	39.26	45.80	52.34
Kermit, town	37,862	47.33	55.22	63.10
Keyser, city	28,321	35.40	41.30	47.20
Keystone, city	26,563	33.20	38.74	44.27
Kimball, town	34,688	43.36	50.59	57.81
Kingwood, city	33,914	42.39	49.46	56.52
L				
Leon, town	41,875	52.34	61.07	69.79
Lester, town	28,500	35.63	41.56	47.50
Lewisburg, city	39,207	49.01	57.18	65.35
Logan, city	26,651	33.31	38.87	44.42
Lost Creek, town	43,929	54.91	64.06	73.22
Lumberport, town	38,625	48.28	56.33	64.38
M				
Mabscott, town	46,813	58.52	68.27	78.02

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2010 CENSUS
MUNICIPALITIES

MUNICIPALITIES	Median HH Income	Average Bill based on % MHI		
		1.50%	1.75%	2.00%
McMechen, city	27,450	34.31	40.03	45.75
Madison, city	43,894	54.87	64.01	73.16
Man, town	36,696	45.87	53.52	61.16
Mannington, city	37,727	47.16	55.02	62.88
Marlinton, town	24,415	30.52	35.61	40.69
Marmet, city	33,490	41.86	48.84	55.82
Martinsburg, city	34,799	43.50	50.75	58.00
Mason, town	27,083	33.85	39.50	45.14
Masontown, town	33,063	41.33	48.22	55.11
Matewan, town	16,522	20.65	24.09	27.54
Matoaka, town	11,917	14.90	17.38	19.86
Meadow Bridge, town	22,917	28.65	33.42	38.20
Middlebourne, town	29,196	36.50	42.58	48.66
Mill Creek, town	23,600	29.50	34.42	39.33
Milton, town	34,141	42.68	49.79	56.90
Mitchell Heights, town	58,472	73.09	85.27	97.45
Monongah, town	38,917	48.65	56.75	64.86
Montgomery, city	21,914	27.39	31.96	36.52
Montrose, town	20,000	25.00	29.17	33.33
Moorefield, town	24,886	31.11	36.29	41.48
Morgantown, city	25,495	31.87	37.18	42.49
Moundsville, city	28,496	35.62	41.56	47.49
Mount Hope, city	19,746	24.68	28.80	32.91
Mullens, city	32,667	40.83	47.64	54.45
N				
Newburg, town	39,306	49.13	57.32	65.51
New Cumberland, city	24,760	30.95	36.11	41.27
New Haven, town	29,527	36.91	43.06	49.21
New Martinsville, city	36,282	45.35	52.91	60.47
Nitro, city	40,322	50.40	58.80	67.20
Northfork, town	16,250	20.31	23.70	27.08
North Hills, town	90,000	112.50	131.25	150.00
Nutter Fort, town	31,790	39.74	46.36	52.98
O				
Oak Hill, city	31,835	39.79	46.43	53.06
Oakvale, town	24,821	31.03	36.20	41.37
Oceana, town	30,032	37.54	43.80	50.05
P				
Paden City, city	35,026	43.78	51.08	58.38
Parkersburg, city	33,916	42.40	49.46	56.53
Parsons, city	31,682	39.60	46.20	52.80
Paw Paw, town	16,190	20.24	23.61	26.98
Pax, town	12,308	15.39	17.95	20.51

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2010 CENSUS
MUNICIPALITIES

MUNICIPALITIES	Median HH Income	Average Bill based on % MHI		
		1.50%	1.75%	2.00%
Pennsboro, city	26,848	33.56	39.15	44.75
Petersburg, city	32,383	40.48	47.23	53.97
Peterstown, town	31,563	39.45	46.03	52.61
Philippi, city	31,974	39.97	46.63	53.29
Piedmont, town	23,125	28.91	33.72	38.54
Pine Grove, town	30,625	38.28	44.66	51.04
Pineville, town	43,150	53.94	62.93	71.92
Pleasant Valley, city	37,931	47.41	55.32	63.22
Poca, town	54,934	68.67	80.11	91.56
Point Pleasant, city	41,915	52.39	61.13	69.86
Pratt, town	51,111	63.89	74.54	85.19
Princeton, city	26,705	33.38	38.94	44.51
Pullman, town	47,813	59.77	69.73	79.69
Q				
Quinwood, town	27,794	34.74	40.53	46.32
R				
Rainelle, town	28,017	35.02	40.86	46.70
Ranson Town, corporation of	39,596	49.50	57.74	65.99
Ravenswood, city	32,242	40.30	47.02	53.74
Reedsville, town	55,313	69.14	80.66	92.19
Reedy, town	24,844	31.06	36.23	41.41
Rhodell, town	28,125	35.16	41.02	46.88
Richwood, city	24,149	30.19	35.22	40.25
Ridgeley, town	33,618	42.02	49.03	56.03
Ripley, city	34,625	43.28	50.49	57.71
Rivesville, town	38,317	47.90	55.88	63.86
Romney, city	24,875	31.09	36.28	41.46
Ronceverte, city	35,931	44.91	52.40	59.89
Rowlesburg, town	44,750	55.94	65.26	74.58
Rupert, town	25,549	31.94	37.26	42.58
S				
St. Albans, city	41,956	52.45	61.19	69.93
St. Marys, city	41,063	51.33	59.88	68.44
Salem, city	25,481	31.85	37.16	42.47
Sand Fork, town	24,250	30.31	35.36	40.42
Shepherdstown, town	62,917	78.65	91.75	104.86
Shinnston, city	33,468	41.84	48.81	55.78
Sistersville, city	31,786	39.73	46.35	52.98
Smithers, city	21,019	26.27	30.65	35.03
Smithfield, town	8,375	10.47	12.21	13.96
Sophia, town	32,083	40.10	46.79	53.47
South Charleston, city	42,034	52.54	61.30	70.06
Spencer, city	19,206	24.01	28.01	32.01

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME
2010 CENSUS
MUNICIPALITIES

MUNICIPALITIES	Median HH Income	Average Bill based on % MHI		
		1.50%	1.75%	2.00%
Star City, town	33,684	42.11	49.12	56.14
Stonewood, city	33,105	41.38	48.28	55.18
Summersville, town	47,083	58.85	68.66	78.47
Sutton, town	25,625	32.03	37.37	42.71
Sylvester, town	58,125	72.66	84.77	96.88
T				
Terra Alta, town	32,500	40.63	47.40	54.17
Thomas, city	31,750	39.69	46.30	52.92
Thurmond, town	23,750	29.69	34.64	39.58
Triadelphia, town	38,077	47.60	55.53	63.46
Tunnelton, town	23,125	28.91	33.72	38.54
U				
Union, town	41,490	51.86	60.51	69.15
V				
Valley Grove, village	43,047	53.81	62.78	71.75
Vienna, city	42,616	53.27	62.15	71.03
W				
War, city	21,923	27.40	31.97	36.54
Wardensville, town	33,333	41.67	48.61	55.56
Wayne, town	24,194	30.24	35.28	40.32
Weirton, city	39,699	49.62	57.89	66.17
Welch, city	25,125	31.41	36.64	41.88
Wellsburg, city	33,089	41.36	48.25	55.15
West Hamilin, town	19,417	24.27	28.32	32.36
West Liberty, town	35,673	44.59	52.02	59.46
West Logan, town	35,625	44.53	51.95	59.38
West Milford, town	45,526	56.91	66.39	75.88
Weston, city	27,066	33.83	39.47	45.11
Westover, city	42,900	53.63	62.56	71.50
West Union, town	26,324	32.91	38.39	43.87
Wheeling, city	32,779	40.97	47.80	54.63
White Hall, town	54,091	67.61	78.88	90.15
White Sulphur Springs, city	33,843	42.30	49.35	56.41
Whitesville, town	39,306	49.13	57.32	65.51
Williamson, city	28,750	35.94	41.93	47.92
Williamstown, city	54,818	68.52	79.94	91.36
Windsor Heights, village	43,750	54.69	63.80	72.92
Winfield, town	65,368	81.71	95.33	108.95
Womelsdorf (Coalton), town	26,563	33.20	38.74	44.27
Worthington, town	36,250	45.31	52.86	60.42

Source: US Census Bureau American Fact Finder
http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t

APPENDIX F

SOURCES AND USES CHART (FOR EPA USE ONLY)

West Virginia Clean Water State Revolving Fund
Intended Use Plan - Sources and Uses of Funds
FY2015
(for EPA use only)

Cumulative Sources as of March 31, 2014

Capitalization Grants (25)	574,418,586	
State Matches (actual)	102,665,295	
Repayments (P + I; 212 + 319)	328,051,570	
Investment Earnings	29,620,205	
Sources sub-total (a)		1,034,755,656

Cumulative Uses as of March 31, 2014

Loan Assistance (212+319)	1,014,538,031	
DEP Administration (4%)	14,143,540	
Uses sub-total (b)		1,028,681,571

FY2014 Sources of Funds

Available funds from prior IUPs (a - b)	6,074,085	
Capitalization Grant #26 (FFY2014 Funds)	21,856,000	
State Match	4,371,200	
Earnings	453,495	
Repayments	34,449,817	
FY2014 Sources of Funds (c)		67,204,597

Less

Appendix C Projects	68,483,000	
AgWQLP Reserves	150,000	
OSLP Reserve	300,000	
Total		68,933,000

APPENDIX G

POSSIBLE GREEN TECHNOLOGY PROJECT

CLEAN WATER STATE REVOLVING FUND

"Green" Infrastructure Project Solicitation for FY2015 IUP

Project	Category	Description	Cost Estimate
Auburn, Town of	decentralized sewer system	Decentralized individual treatment untis	$2,714,725
Cairo, Town of	decentralized sewer system	Packaged Ext. Aer. Plant	$2,503,325
Crab Orchard-MacArthur PSD - Rhodel	decentralized sewer system	Packaged Ext. Aer. Plant	$4,510,200
Greater St. Albans PSD - Phase IV Thomas Hollow	decentralized sewer system	Decentralized - low pressure sys in Thomas Hollow	$3,445,000
Greenbrier PSD #1	decentralized sewer system	Meadowbrook plant / system ext	$5,296,145
Huntington Sanitary Board	green infrastructure	bioretention basin	$11,996,656
Lincoln Co. Comm.	decentralized sewer system	Ph. VI of individual/cluster systems	$656,750
Montgomery, City of	energy efficiency	PS rehab / construction	$782,324
Mount Zion PSD	environmentally innovative	Packaged Ext. Aer. Plant w/subsurface discharge	$1,035,000
St. Albans MUC	energy efficiency/savings	UV replacement & Blower Controls	$4,447,980
		TOTAL	$37,388,105