West Virginia Clean Water State Revolving Fund



FY2022 Intended Use Plan

Submitted to the
U.S. Environmental Protection Agency
Region III
June 15, 2021



west virginia department of environmental protection

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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

ARC – Appalachian Regional Commission

BAN – Bond Anticipation Note

BCL – Binding Commitment Letter

BRF – Brownfield Revolving Loan Fund

CA – West Virginia Conservation Agency

CWA - Federal Clean Water Act

CWSRF - Clean Water State Revolving Fund

DEP – West Virginia Department of Environmental Protection

DHHR – Department of Health and Human Resources

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

PFAS – Polyfluoroalkyl Substances

POTW – Publicly Owned Treatment Works

PSC – Public Service Commission of West Virginia

USDA – United States Department of Agriculture

USGS – U. S. Geological Service

SCD - Soil Conservation District

WDA – West Virginia Water Development Authority

WRRDA – 2014 Water Resources Reform and Development Act

WWTP - Wastewater Treatment Plant

Preface

Mission Statements

Department of Environmental Protection

To efficiently and effectively carry out the State's environmental laws and regulations that are designed to provide and maintain a healthful environment consistent with the economic benefits derived from strong agricultural, manufacturing, tourism and energy-producing industries.

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 2022 (July 1, 2021 – June 30, 2022 (FY2022)). 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, 2021, there have been 33 federal capitalization grants and amendments awarded by the Environmental Protection Agency. The State has provided, where required, the 20% matching funds for each grant and amendment.

Repayments of prior loans and 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 this fiscal year 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.

A similar chart can be found in Appendix F, which is used by EPA for its purpose only. This chart summarizes the federal capitalization grants, state matches, repayments, earnings, etc., since the program began. It also estimates the fiscal year 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 FY2022 (July 1, 2021 – June 30, 2022)

Available funds as of March 31, 2021

Cash balance in CWSRF account =	\$154,0	037,531
Federal funds accounts payable (base grants) =	\$	0 \$154,037,531

New funds available during state FY2022:

Next Federal EPA Grant	\$ 24,769,000
Next State Match	\$ 4,953,800
Est. Repayments (principal) (to 6/30/21)* =	\$ 36,103,407
Est. Repayments (interest) (to 6/30/21)* =	\$ 3,384,150
Est. Investment Earnings (to 6/30/21)* =	\$ 2,133,782
	\$ 71 3// 130

\$ 71,344,139

Less:

Existing project loans payables $(3/31/21) =$	\$ 44	4,250,009
Existing binding commitments $(3/31/21) =$	\$ 50	0,908,059
AgWQLP reserve =	\$	150,000
OSLP reserve =	\$	300,000
DEP Administration =	\$	0

\$95,608,068

Net available funds during FY2022 =

\$129,773,602

Notes:

The match should be received by July 2021.

WV plans to apply for any additional stimulus funding that may be appropriated by Congress later in the year. Projects will be added to this IUP from the PPL in order of their position on the priority list on a first-come, first-served basis, as long as all applicable program requirements have been met and the project is within six months of construction.

^{*} These are estimates at this time. Project funding will be adjusted to accommodate the actual funds received. COVID-19 may impact these estimates.

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 entities approved by law.
 - <u>Objective 1</u> 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 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.
- 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/ utilization 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 wastewater projects and coordinating and recommending the most feasible funding sources for all projects.
- 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 assistance 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 with local community leaders and civic groups to develop wastewater management ideas and programs.

B. Short term goals

- 1. Continue outreach efforts for potential new loan recipients.
- 2. Maintain a targeted fund utilization rate "pace" goal of at least 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, bond, and funding assistance agreements (does not include preliminary binding commitment letters).
- 3. Provide outreach and requested technical assistance to several communities in the Tygart River Watershed as they consider biological nutrient removal processes in their systems.
- 4. Coordinate and work with WV DEP's Abandoned Mine Lands section on the planning, design, and construction of wastewater treatment facilities that were awarded PILOT Grants in McDowell County.
- 5. Utilize flexibilities available within the CWSRF to monitor and work with loan recipients that have been financially impacted by the COVID-19 pandemic.
- 6. Re-evaluate and potentially restructure the AgWQLP to entice applicants back to the program.
- 7. Partner with DHHR and USGS to determine what, if any impacts, PFAS will have on wastewater treatment systems and non-point projects in WV.

SECTION IV

Project Priority List

The 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 each 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 procedure generally takes 60 days.

The CWSRF will continue to commit funds to projects in order of their position on the priority list on a first-come, first-served basis, 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, and plans and specifications must be approved. Consideration will be given to the status of rights-of-way obtainment and other items on the pre-bid checklist during this process. As

projects are deemed eligible for a binding commitment; they will be funded in order of priority. 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 and is subject to an extension.

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 eligible 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 this fiscal year.

SECTION V

Fund Activities

A. Interest rates on POTW loans

The eligibility criterion for low interest loan consideration will be based upon 3,400 gallons of monthly water usage. The DEP will use this criterion to determine the interest rate on loans. 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: Terms will be based upon the 25-Bond Revenue Index.

At BCL issuance, the CWSRF will use the last published rate less 5 basis points (.05) for a 20-year term. At no point will the terms exceed 2.75% interest rate, .25% annual admin fee, 20-year term

1.5% to 1.74% MHI: 1.75% interest rate, .25% annual admin fee, 21 - 30-year term

1.75% to 2.0% MHI: .75% interest rate, .25% annual admin fee, 21 - 30-year term

Greater than 2% MHI: 0.25% interest rate, .25% annual admin fee, 31 - 40-year term

The MHI data is derived from the 2015 census data published by the U. S. Department of Commerce, U.S. Census Bureau, American Fact Finder. Interest rates will not exceed 2.75% and will not be less than 0.25%. For all public service districts, the MHI to be used will be the lowest of either the county(s) or magisterial district(s) that is most appropriate for the project area. Magisterial district and county information can be found in Appendix E. Municipal MHI data 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.

The terms mentioned above will also be applied to stormwater projects.

B. Additional subsidization for disadvantaged communities

This year's Clean Water Act Title VI funding allocation for West Virginia is \$24,769,000. 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 \$2,476,900. 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. Therefore, DEP will be setting aside \$9,907,600 from the capitalization grant to be used as principal forgiveness.

Principal forgiveness of all or part of a loan will be the mechanism that will be used to supply the additional subsidization. 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.).

The 2014 Water Resources Reform and Development Act (WRRDA) amended sections of the Federal Water Pollution Control Act (FWPCA). Amendments to 603(i)(2) required States to develop affordability criteria that would assist in identifying applicants that would have difficulty financing projects without additional subsidization. The criteria, based upon a points system that will be used to identify these applicants as per WRRDA, are as follows:

<u>Income based upon %MHI</u> – Based upon the 2015 Census data for 3,400 gallons of water usage.

MHI	<u>Points</u>
1.75% - 1.99%	50
2.0% or greater	75

<u>Unemployment Data</u> – As published by WorkForce West Virginia, the State's average unemployment rate was 8.3% in 2019. See Appendix H.

Locality's Unemployment Rate (UR)	<u>Points</u>
UR < West Virginia's UR	0
UR 0% - 2% above West Virginia's UR	5
UR > 2% above West Virginia's UR	10

<u>Population Trends</u> – Based upon the percentage change for the period from 2015 to 2018 (calendar years) by county as published by American Fact Finder. See Appendix I.

Change in Population	<u>Points</u>
Greater than +2%	0
0 to +2%	5
Less than 0%	10

For applicants that receive at least 60 points, the project is eligible for the lesser of 50% of the total eligible CWSRF project costs or \$1,000,000 in principal forgiveness.

For applicants that receive at least 90 points, the project is eligible for the lesser of 100% of the total eligible CWSRF project costs or \$1,500,000 in principal forgiveness.

Readiness to proceed to construction is 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, the dedicated revenue stream will rollover to pay the amount of any deferred loan.

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

C. Green Projects Reserve

In accordance with federal law and 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 utilize 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 principal forgiveness, to the lesser of 50% 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 are not eligible for additional loan subsidization or green technology funding, except for WWTP water efficient appliance/plumbing projects and water reuse projects. Proposed green projects in the water reuse category may be

eligible to receive additional loan subsidization, in the form of principal forgiveness, to the lesser of 50% of the total eligible green CWSRF costs or \$500,000.

3. Storm Water / Green Infrastructure

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 principal forgiveness, to the lesser of 50% of the total eligible green CWSRF costs or \$500,000.

4. Environmentally Innovative

Allowable green projects to be funded in this category are:

Decentralized sewer systems

- a. Publicly Owned Systems
- b. Privately Owned Onsite Systems

This category is used 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 principal forgiveness, of 100% of the total eligible green CWSRF costs. 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 principal forgiveness funds. The program may fund the pre-bid costs for these systems from the available green principal forgiveness funds. 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 CWSRF funds from the WVIJDC;
- 2. An engineering agreement approved by the CWSRF program;
- 3. A facilities 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; and
- 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 November and December 2020 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 initially calculated using the outstanding principal 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 is approximately \$4.9 million. This includes funding the DEP's Project WET position. The amount of the funds available as of March 31, 2021 was \$14,925,043. These funds can also be used to fund the onsite systems program and are being used to match an ARC grant to provide sewer system mapping to several communities in the southern part of the State. The CWSRF is also funding a position with the WV Rural Water Association that provides technical and project support to West Virginia communities. This position also provides asset management support and educates local utilities on energy and water efficiency technologies. This fund will also be used to provide funding in partnership with the WV DHHR and USGS to support a PFAS study over the next two years. It may also be used for additional project funding.

E. Maximum allowable loans

In FY2022, 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 repayment stream 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 BAN. This proposed closing date will also be reflected in the BAN documents. Repayment of the CWSRF loan will begin immediately using the first full calendar 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 wastewater 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.

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 than 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.

Facilities 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 facilities units/components, including equipment.

Where there has been a historical decline in population, additional information in the facilities 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 facilities plan. This requirement will apply during the entire preconstruction phase of the project, including the PSC certificate case. A copy of the Rule 42 exhibit (or equivalent if a PSC certificate is not required) shall be submitted to the DEP to document compliance 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 utilized for the purposes of conducting a final financial review.

H. Requirements for CWSRF Commitment

<u>Formal Commitments</u> – 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. The CWSRF will continue to commit funds to projects in order of their position on the priority list on a first-come, first-served basis, if all applicable program requirements have been met. At a minimum, the facilities plan, and plans and specifications must be approved. Consideration will be given to the status of rights-of-way obtainment and other items on the pre-bid checklist during this process. As projects are deemed eligible for a binding commitment, they will be funded in order of priority. 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 West Virginia Conservation Agency. The purpose of the AgWQL program is to provide a source of low-interest financing match funds to implement best management agricultural 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 existing 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, West Virginia 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 with terms not to exceed 10 years 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, 2020, more than \$13 million had 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 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 this fiscal year. Funds from the administrative fee account may also be used to fund this program. As of June 30, 2020, more than \$3.4 million had been loaned under 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.

The WV DEP received an EPA capitalization grant to create a Brownfield Revolving Loan Fund (BRF). The CWSRF program will be working with the BRF to evaluate partnering opportunities for BRF ineligible expenses that may be eligible for the CWSRF. The CWSRF loan terms will mirror those for the BRF.

J. Federal requirements

To streamline the program and reduce project costs, all new binding commitments made to POTW projects in this fiscal year will not have to meet many federal requirements. As a recipient of federal CWSRF funds, the DEP must apply these federal requirements to loans equal to the amounts of all the federal capitalization grants. 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.

The following projects have been selected to comply with federal requirements including, but not limited to, the Single Audit Act, FFATA, etc. This project totals more than the FFY 2021 capitalization grant which is \$24,769,000.

Project Sponsor	Project Description	CWSRF Amount
Ansted	CSO Reduction Project	\$4,017,026
Monongah	I/I Reduction Project	\$3,750,000
Weirton	WWTP Upgrade	\$22,550,000

K. Loan Prepayment

CWSRF loan prepayment may be allowed under certain conditions upon prior written approval from the Program and the WDA. All requests will be evaluated against Program policy and will not be considered earlier than ten years from loan closing unless under special circumstances. Refinancing through the Program will be the preferred option.

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 Clean Water Act:

602(a)	-	Environmental Reviews – the DEP will conduct the reviews in accordance with State regulations.
602(b)(2)	-	Anticipated Cash Draw Ratio (Proportionality) – State match funds are disbursed prior to using capitalization grant funds.
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.

SECTION VII

Criteria and Method for Distribution of Funds

The following approachwas used to update the priority list, intendeduse 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 timely 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

Comments were received on the CWSRF IUP for FY2022 until June 10, 2021. The notice was legally advertised in newspapers throughout the State. In addition, the DEP issued a notice of the IUP comment period by sending a mass mailing directly to consulting engineers, regional councils and other interested parties.

Appendix D contains the public comment notice and a summary of the comments.

SECTION IX

Agreement

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

APPENDIX A

FISCAL YEAR 2022 PROJECT PRIORITY LIST

Y2022 Priority List			
Project	SRF #C	Ranking	PriorityPoints
Albright, Town of	544592	52	90.00
Ansted, Town of	544584	6	145.00
Auburn, Town of	547201-02	3	185.00
Barboursville Sanitary Board, Village of	544615	73	65.00
Beckley Sanitary Board (Dry Hill)	544626	54	85.00
Beckley Sanitary Board (Pinecrest)	544624	55	85.00
Beckley Sanitary Board (Rail Trail)	544625	56	85.00
Belle, Town of	544662	60	75.00
Benwood, City of	544613	4	170.00
Big Bend PSD	544627	42	95.00
Bluefield Sanitary Board (Midway)	544493	23	120.00
Bluewell PSD	544594	53	90.00
Boone-Raleigh PSD	544628	43	95.00
Bradley PSD	544663	57	85.00
Bradshaw, Town of	544595	58	80.00
Brooke County PSD	544006-04	7	145.00
Buffalo Creek PSD	544555	81	45.00
Burnsville Public Utility Board	544578	82	45.00
Camden-On-Gauley, Town of	544610	77	50.00
Cameron Sanitary Board, City of	544091	74	65.00
Canaan Valley PSD	544560	76	60.00
Capon Bridge Inc., Town of	544608	37	110.00
Charles Town, City of	544686	59	80.00
Clay, Town of	544614	20	125.00
Claywood Park PSD	544498	61	75.00
Crab Orchard-MacArthur PSD	544630	8	145.00
Delbarton, Town of	544201	9	145.00

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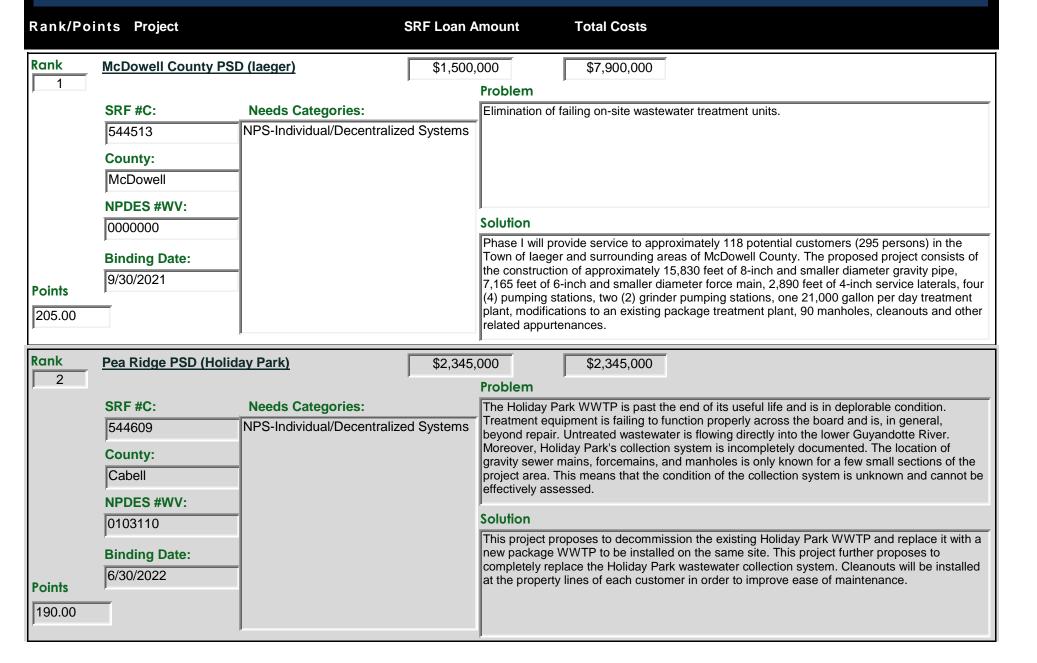
Project	SRF #C	Ranking	PriorityPoints
Dunbar Sanitary Board	544661	44	95.00
Ellenboro, Town of	544632	62	75.00
Enlarged Hepzibah PSD	544664	83	45.00
Flemington, Town of	544234	45	95.00
Follansbee Sanitary Board, City of	544599	38	100.00
Fort Gay, Town of	544607	35	115.00
Gary, City of	544501	36	115.00
Gilbert, Town of	544502	24	120.00
Greater Harrison County PSD (River Crossing)	544635	93	20.00
Greater Harrison County PSD (Sludge Removal)	544658	94	20.00
Greater Paw Paw Sanitary District	544666	46	95.00
Greater Saint Albans PSD	544406-04	10	145.00
Hillsboro, Town of	544667	90	40.00
Hinton, City of	544550	11	145.00
Huttonsville PSD	544569	17	130.00
Kanawha PSD	544643	66	70.00
Keyser, City of	544690	67	70.00
Lake Floyd PSD	544668	47	95.00
Logan County PSD (Holden)	544669	95	20.00
Logan County PSD (Mud Fork)	544460-02	96	20.00
Lubeck PSD	544621	97	20.00
Marlinton, Town of	544670	48	95.00
Matewan, Town of	544482	68	70.00
McDowell County PSD (laeger)	544513	1	205.00
Mercer County PSD (Matoaka)	544671	75	65.00
Mineral Wells PSD	544639	25	120.00
Mingo County PSD (Chattaroy)	544312	16	135.00
Monongah, Town of	544565	12	145.00

Project	SRF #C	Ranking	PriorityPoints
Morgantown Utility Board (Bakers Ridge)	544640	91	25.00
Morgantown Utility Board (Cheat Lake)	544461	92	25.00
Morgantown Utility Board (Westover)	544590	63	75.00
Mount Hope, City of	544672	98	20.00
Mount Zion PSD	544521	26	120.00
Mullens, City of (WWTP)	544680	99	20.00
Nitro Regional Wastewater Utility	544652	27	120.00
North Beckley PSD	544617	21	125.00
Nutter Fort, Town of	544681	13	145.00
Oak Hill Sanitary Board	544623	69	70.00
Oakvale Road PSD	544682	64	75.00
Page-Kincaid PSD	544508-02	14	145.00
Parkersburg Utility Board	544683	18	130.00
Parkersburg Utility Board (Marrtown Road)	544654	28	120.00
Paw Paw, Town of	544684	49	95.00
Pax, Town of	544685	84	45.00
Pea Ridge PSD (B Plant)	544657	85	45.00
Pea Ridge PSD (Holiday Park)	544609	2	190.00
Pea Ridge PSD (R2P2)	544576	29	120.00
Pocahontas County PSD	544604	22	125.00
Prichard PSD	544298	100	20.00
Ravenswood, City of	544428	78	50.00
Richwood, City of	544579	19	130.00
Ripley Sanitary Board, City of	544575	30	120.00
Romney, Town of	544656	79	50.00
Ronceverte, City of	544611	65	75.00
Ronceverte, City of	544659	86	45.00
Rowlesburg, Town of	544644	31	120.00

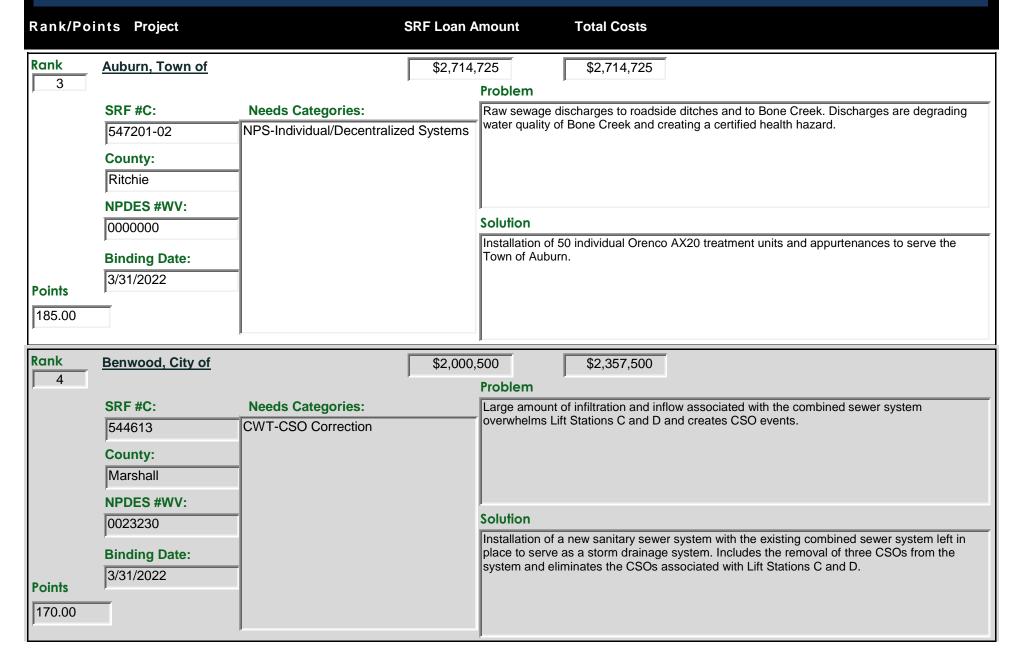
Project	SRF #C	Ranking	PriorityPoints
Salt Rock Sewer PSD	544660	50	95.00
Shady Spring PSD (Glen Morgan)	544645	70	70.00
Sissonville PSD	544570	80	50.00
Sistersville, City of	544653	71	70.00
Smithers Sanitary Board, City of	544583	51	95.00
South Charleston Sanitary Board	544646	32	120.00
Southern Jackson County PSD	544246	39	100.00
Sun Valley PSD	544587	40	100.00
Union PSD	544655	72	70.00
Union Williams PSD	544687	87	45.00
Vienna Utility Board	544688	88	45.00
Walton PSD	544166	33	120.00
Webster Springs PSD	544612	41	100.00
Weirton Sanitary Board	544650	101	20.00
Wellsburg Sanitary Board	544577	5	170.00
West Fork Onsite Community Cooperative, Inc.	544605	15	145.00
White Sulphur Springs, City of	544606	34	120.00
Williamson, City of	544544	89	45.00

Wastewater Treatment Needs Categories Definitions

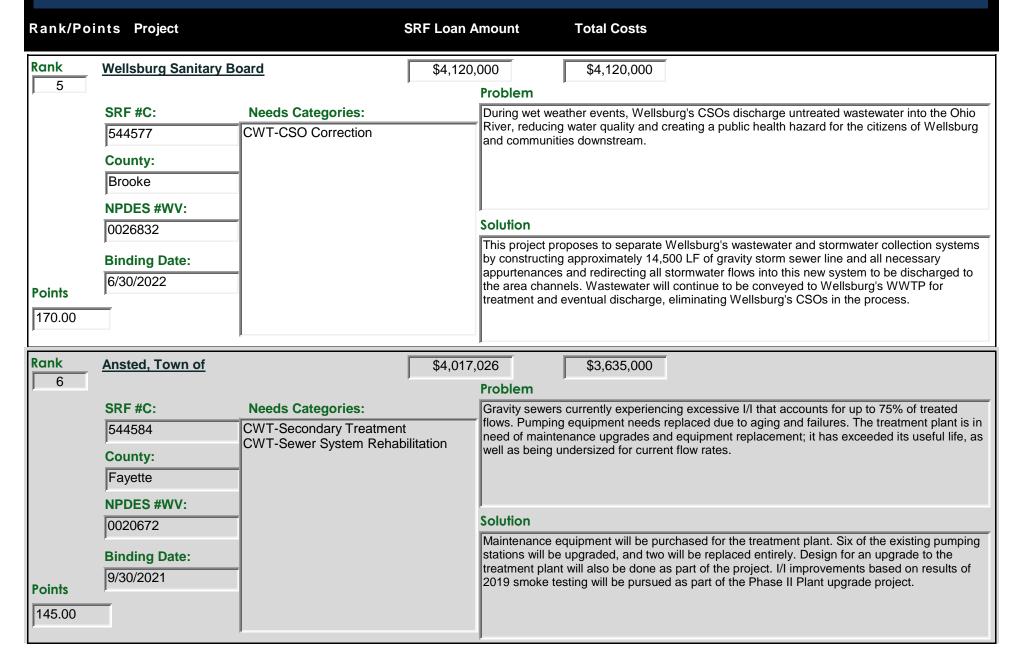
I	CWT- SECONDARY TREATMENT
II	CWT – ADVANCED TREATMENT
III	CWT – INFILTRATION/INFLOW
IV	CWT – SEWER SYSTEM REHABILITATION
V	CWT – NEW COLLECTOR SEWERS
VI	CWT – NEW INTERCEPTORS
VII	CWT – CSO CORRECTION
VIII	STORMWATER – GRAY INFRASTRUCTURE
IX	STORMWATER – GREEN INFRASTRUCTURE
X	ENERGY CONSERVATION – ENERGY EFFICIENCY
XI	ENERGY CONSERVATION – RENEWABLE ENERGY
XII	WATER CONSERVATION – WATER EFFICIENCY
XIII	WATER CONSERVATION – WATER REUSE
XIV	NPS – AGRICULTURAL BMP'S, CROPLAND
XV	NPS – AGRICULTURAL BMP'S, ANIMALS
XVI	BROWNFIELDS
XVII	INDIVIDUAL/DECENTRALIZED SYSTEMS



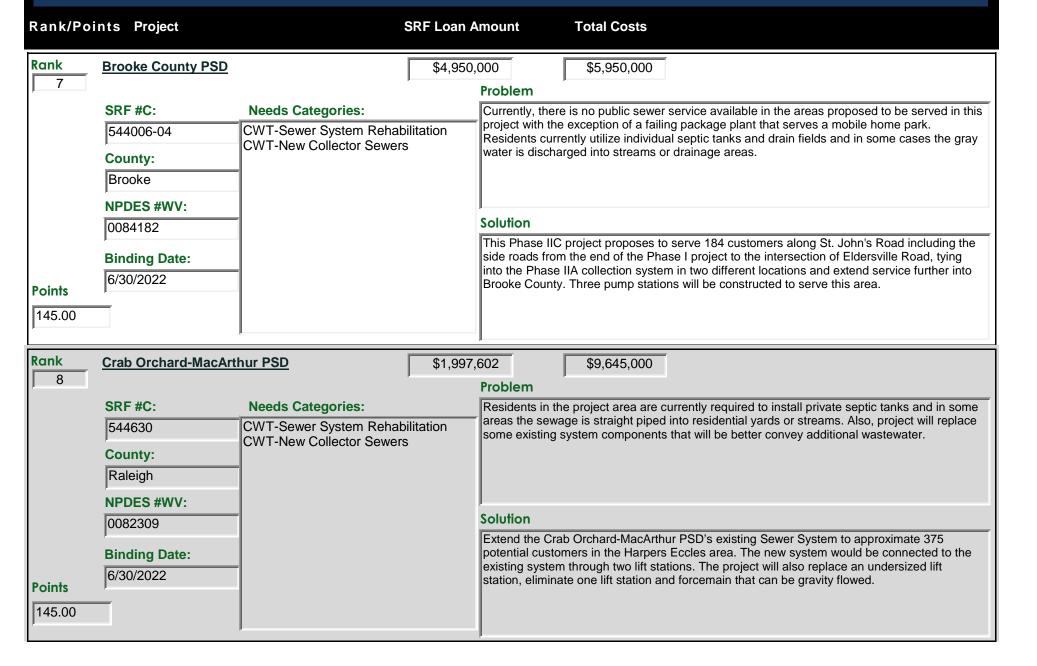
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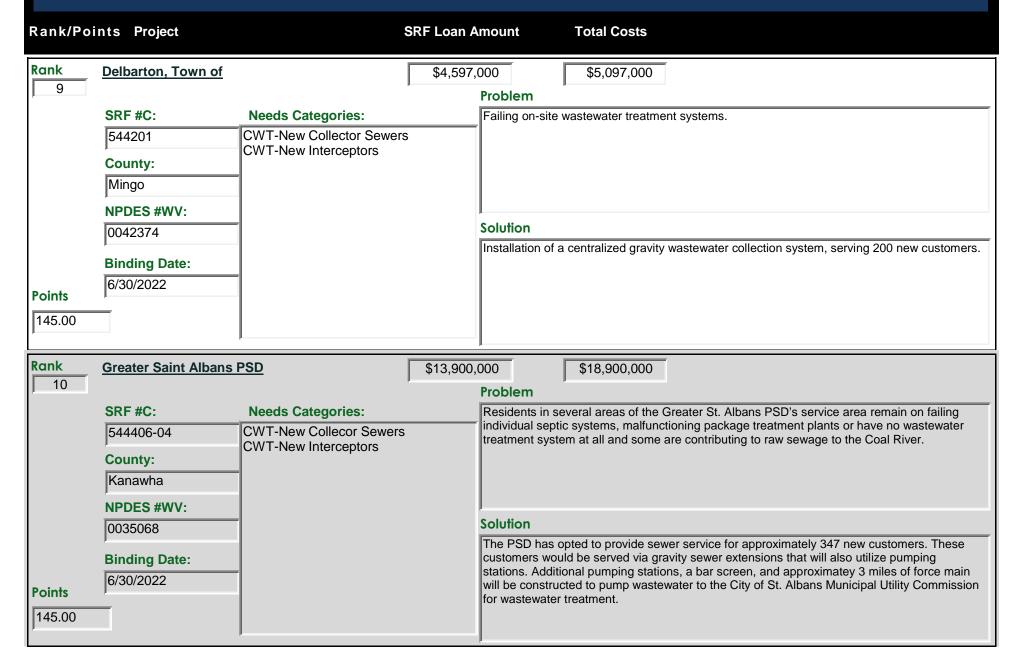
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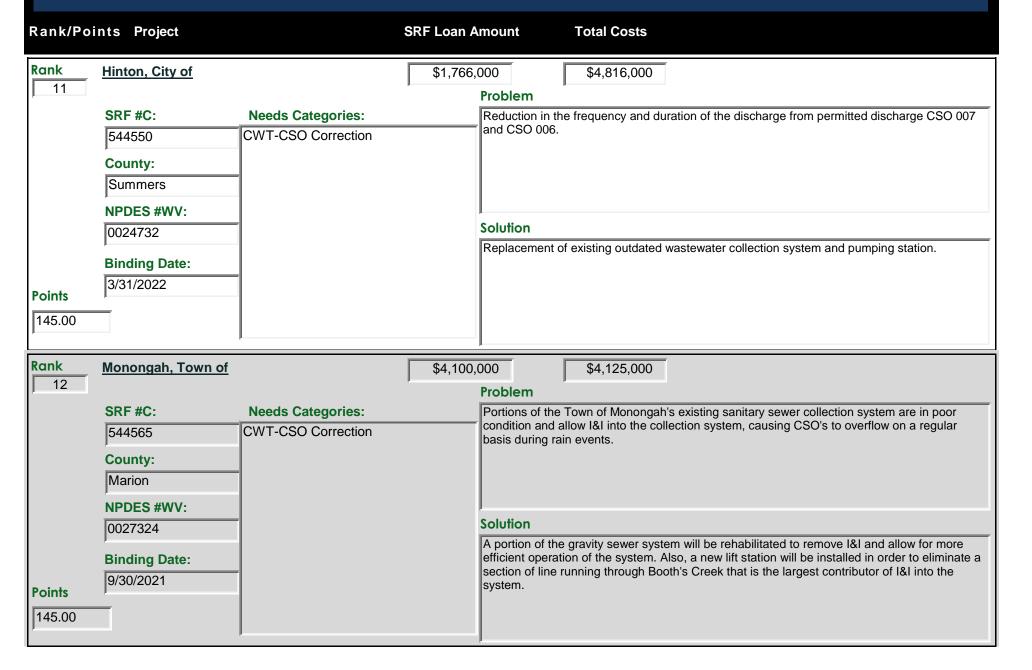
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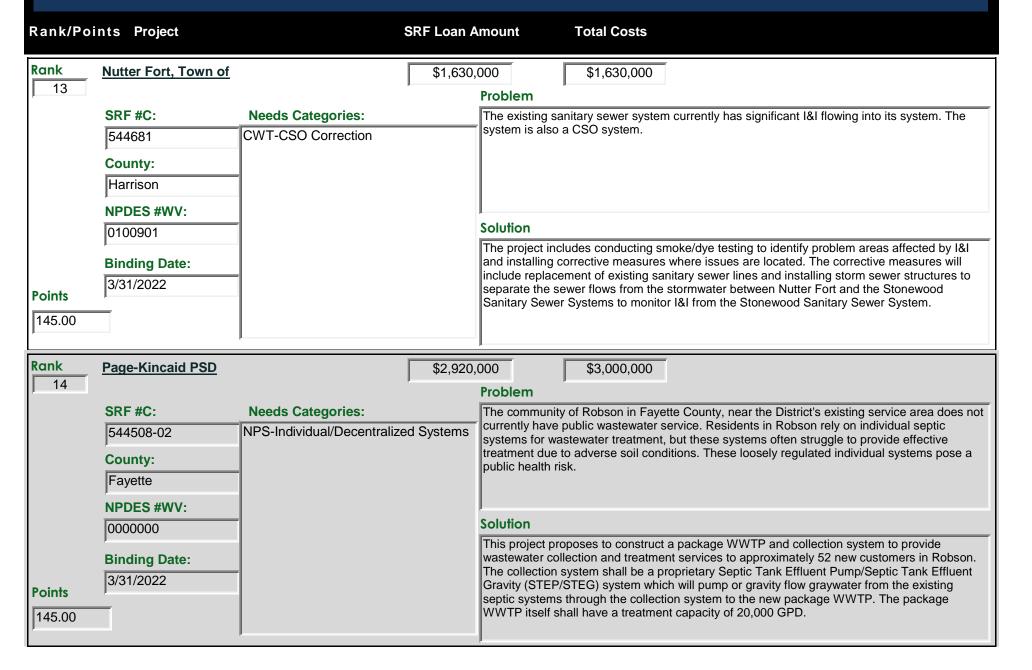
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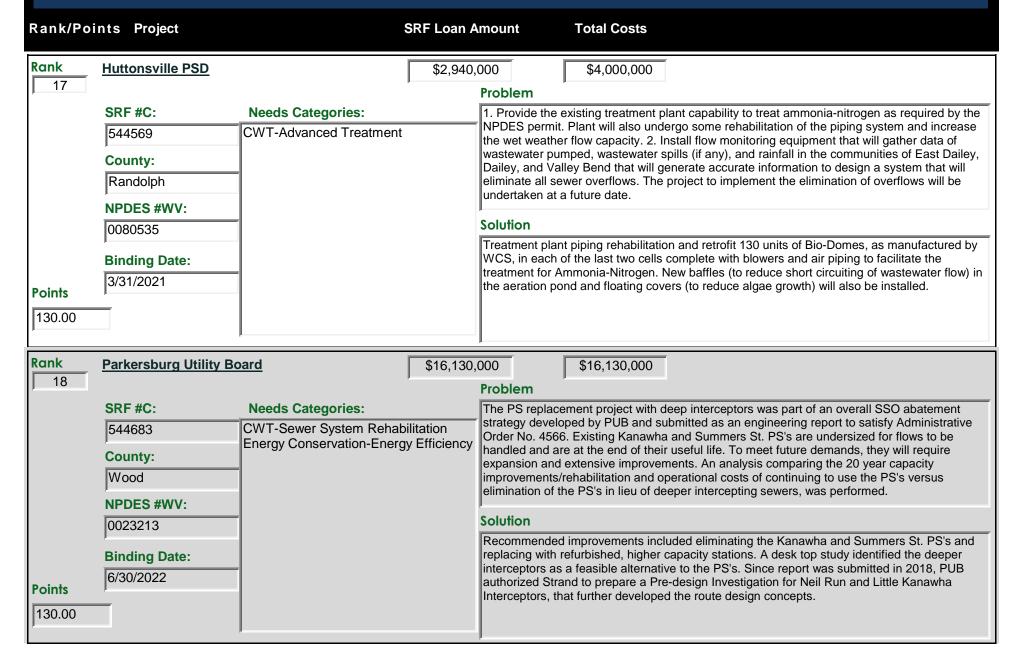
Total Costs

SRF Loan Amount

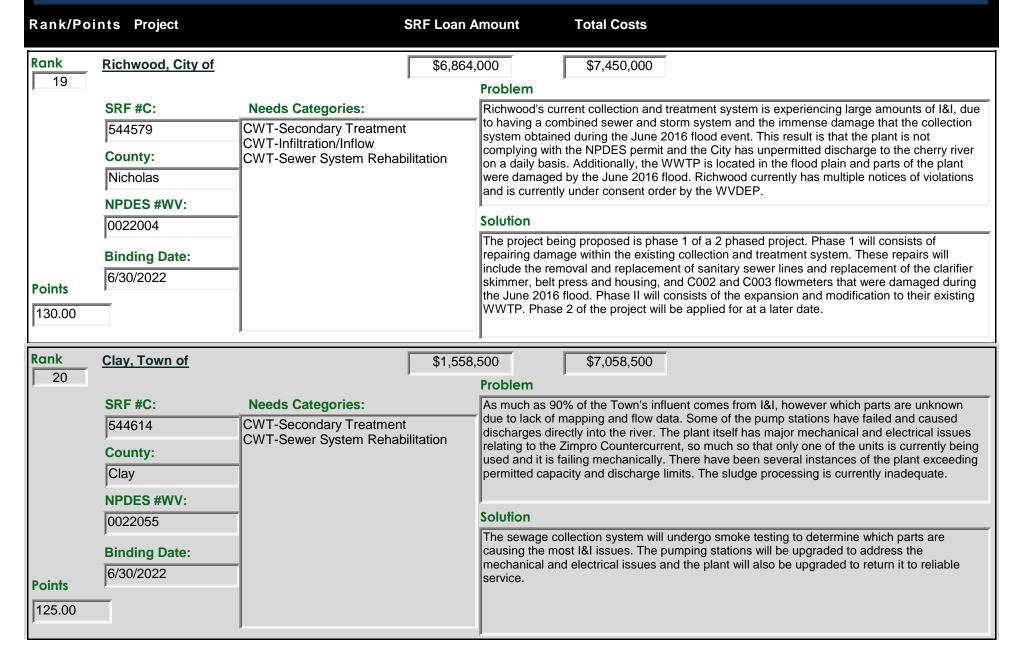
Rank/Points Project

Rank West Fork Onsite Community Cooperative. \$4,018,380 \$1,683,380 15 Inc. **Problem** SRF #C: **Needs Categories:** Primary problems to be rectified by the proposed project are those acute health and environmental consequences of the discharge of raw or partially treated sewage in the local NPS-Individual/Decentralized Systems 544605 waterways. County: Harrison NPDES #WV: Solution 10000000 Phase I (Design and Construct)-Provide sanitary sewer service to 135 residential and 2 commercial users in and around Arlington. Project will utilize STEP systems to collect and **Binding Date:** transport primarily treated "gray" water to on-site treatment facility, meeting NPDES discharge 6/30/2022 permit limits. Septic tanks will be owned and maintained by the Cooperative. Septic tanks will **Points** be cleaned out periodically and sludge will be transported to a POTW for further treatment and disposal. Phase II-Finish the build out of treatment plant and provide service to remaining 145.00 three communities. Rank Mingo County PSD (Chattaroy) \$1,000,000 \$3,595,000 16 **Problem** SRF #C: **Needs Categories:** Eastern Chattaroy and surrounding areas do not currently have public sanitary sewer service. Most residents in the area rely on individual home septic systems. Local soils are classed as CWT-Sewer System Rehabilitation 544312 udorthent and urban land soils which are ill suited to support septic systems. The existing CWT-New Collector Sewers Chattaroy system is in poor condition and in need of rehabilitation and replacement, I&I rate is County: almost 60%. Also, a landfill near eastern Chattaroy is currently transporting its leachate Mingo overland to the Williamson WWTP for treatment and disposal, creating a risk of environmental exposure should leachate leak out in transit. NPDES #WV: Solution 0037699 Project proposes to rehabilitate or remove and replace approximately 3.200 LF of 8" gravity sewer main, 1,700 LF of 4" gravity sewer main, 75 manholes, and all necessary **Binding Date:** appurtenances as well as the main Chattarov PS. It further proposes to extend wastewater 3/31/2022 service along U.S. Route 52 through eastern Chattaroy to the landfill. Extension will entail the **Points** installation of approximately 8,700 LF of 8" gravity sewer main, 1,750 LF of 4" gravity sewer main, 41 manholes, 200 LF of 1-1/4" forcemain, one grinder PS, and all necessary 135.00 appurtenances.

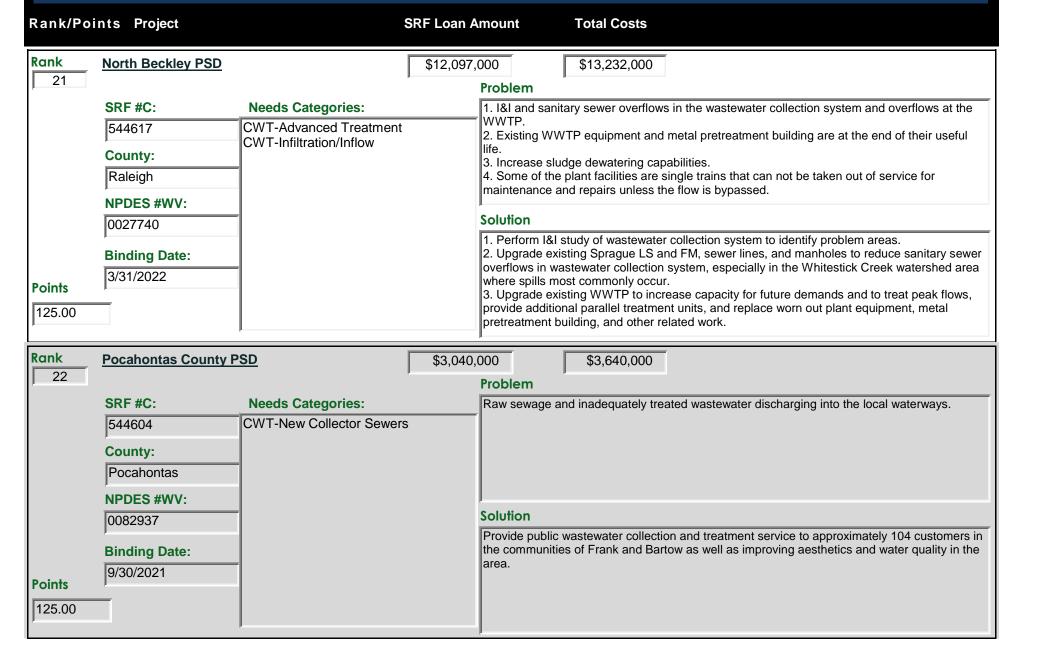
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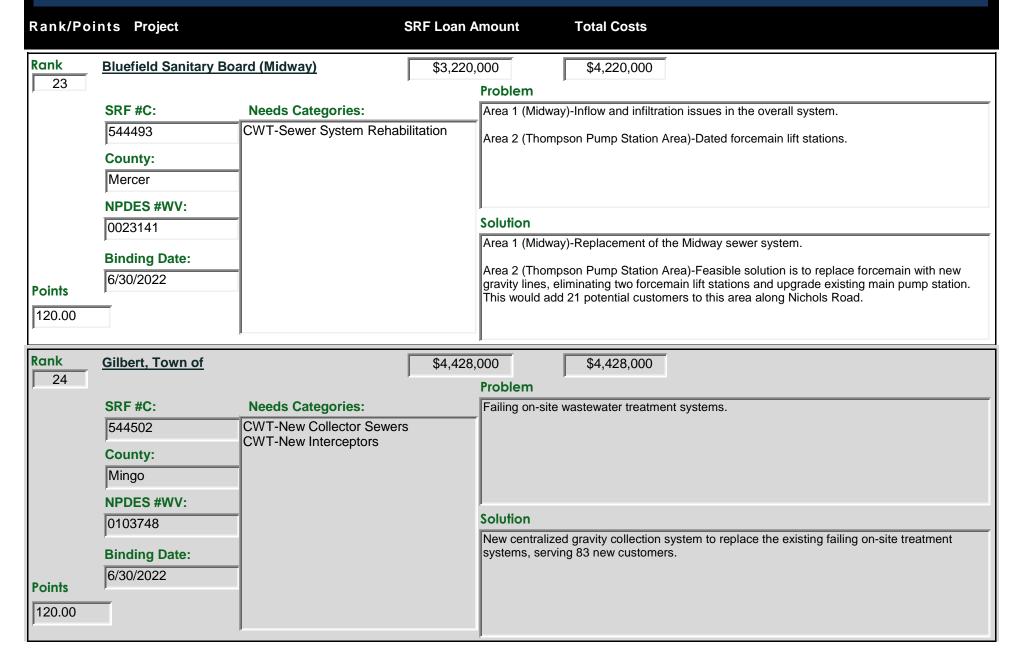
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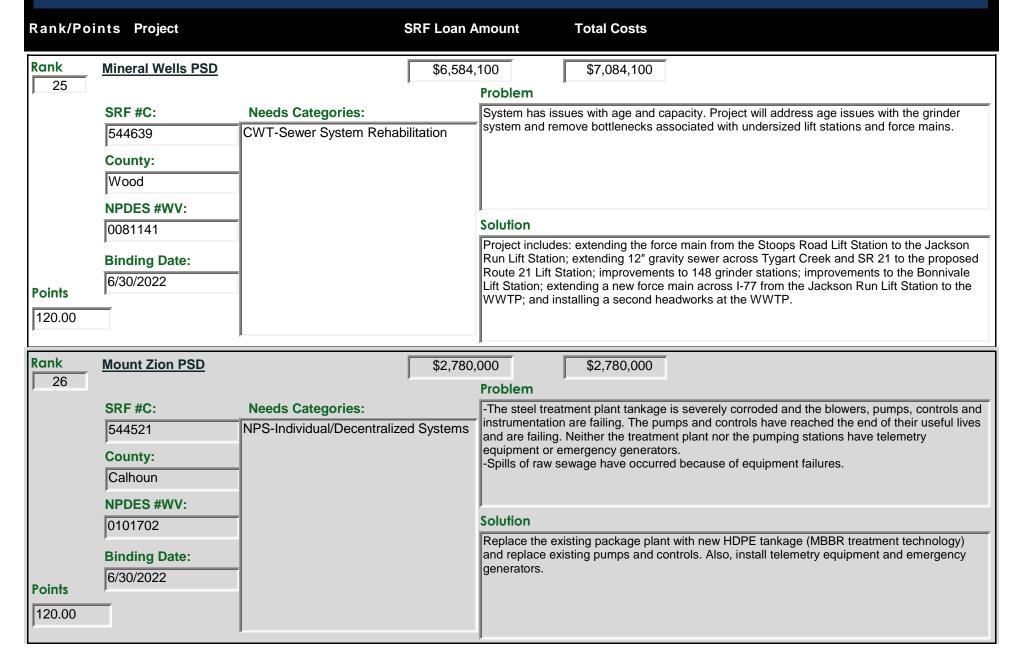
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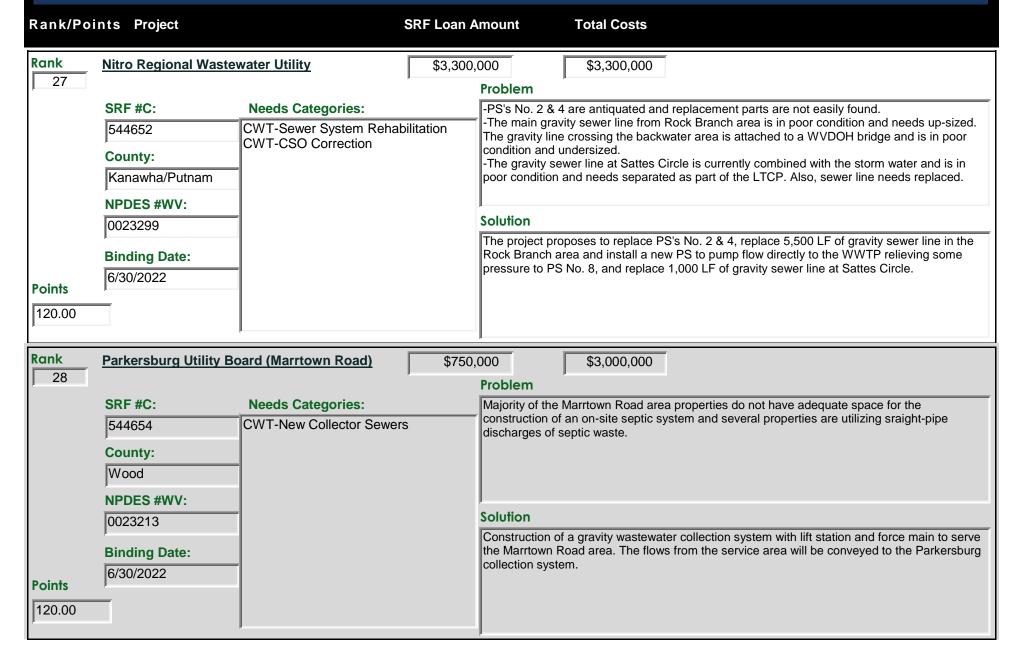
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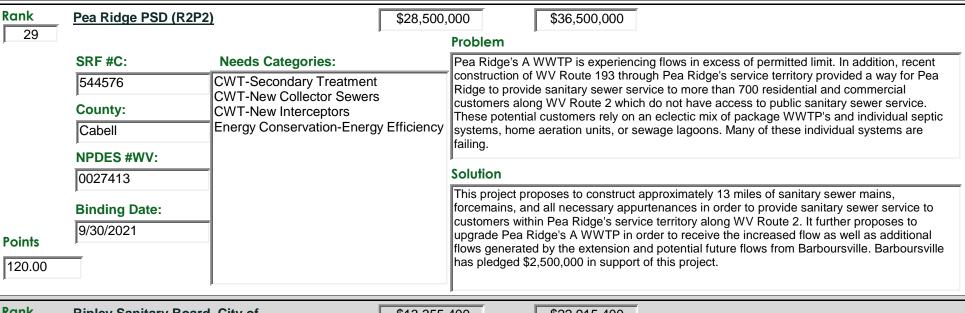


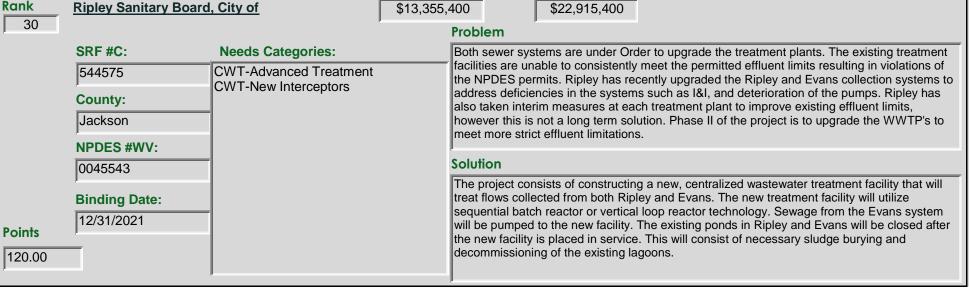
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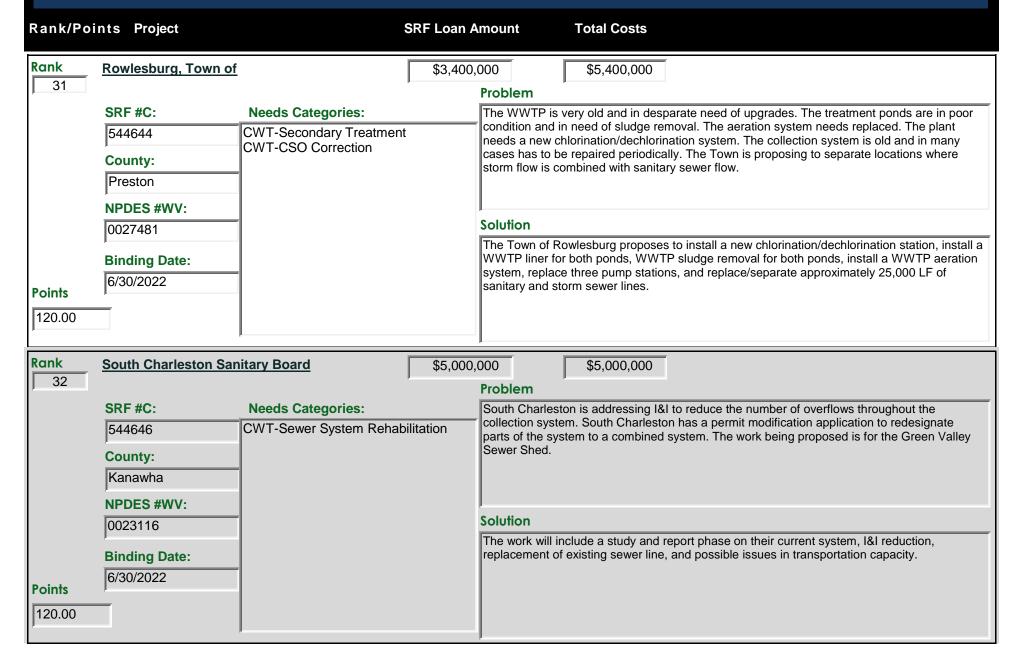
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Rank/Points Project SRF Loan Amount Total Costs

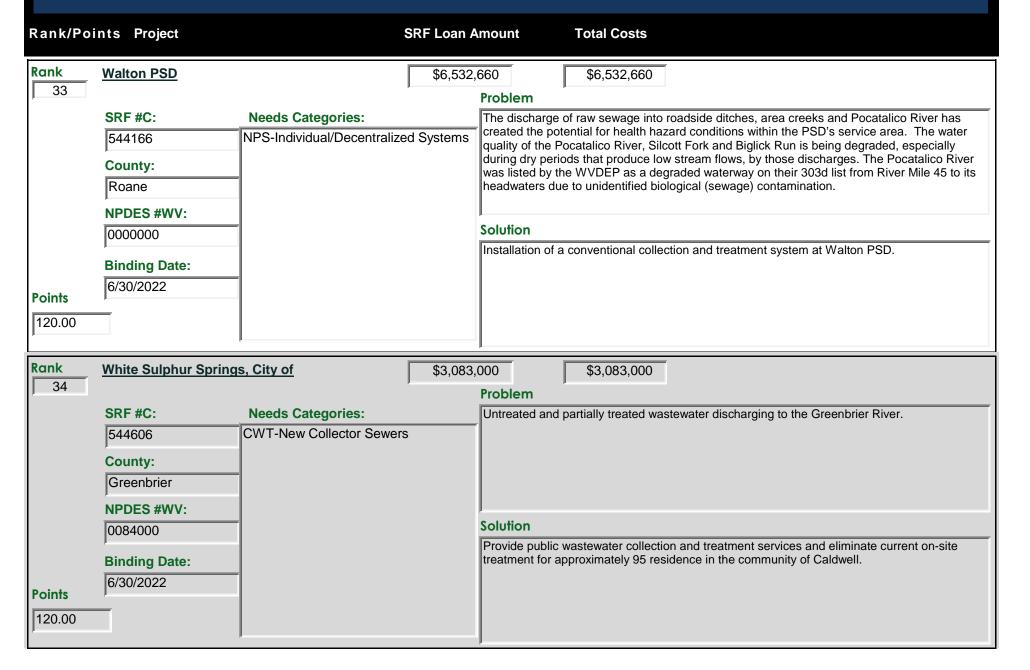




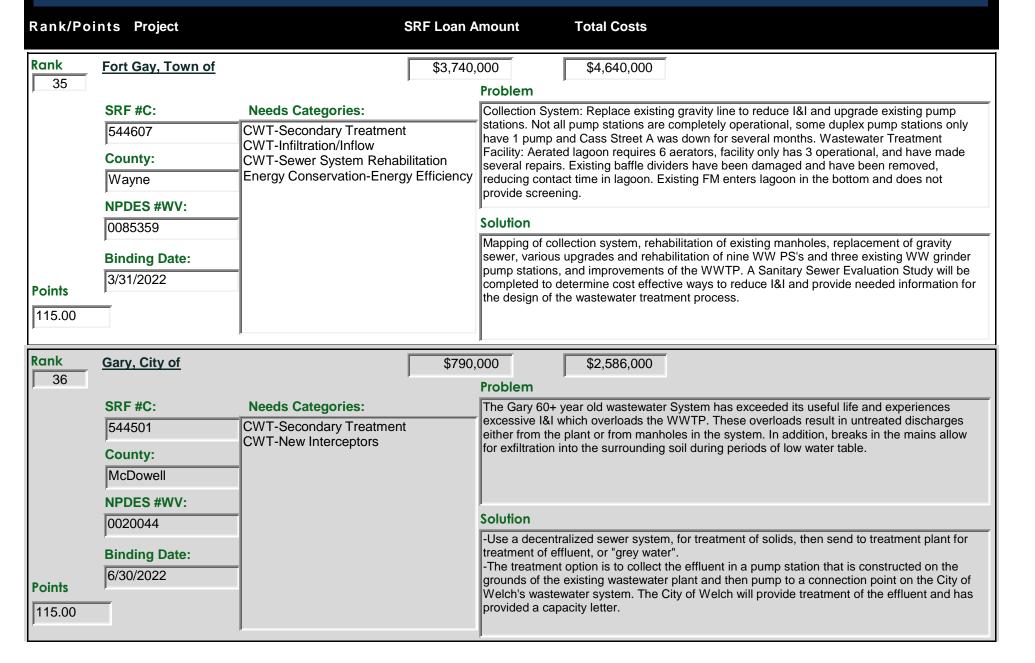
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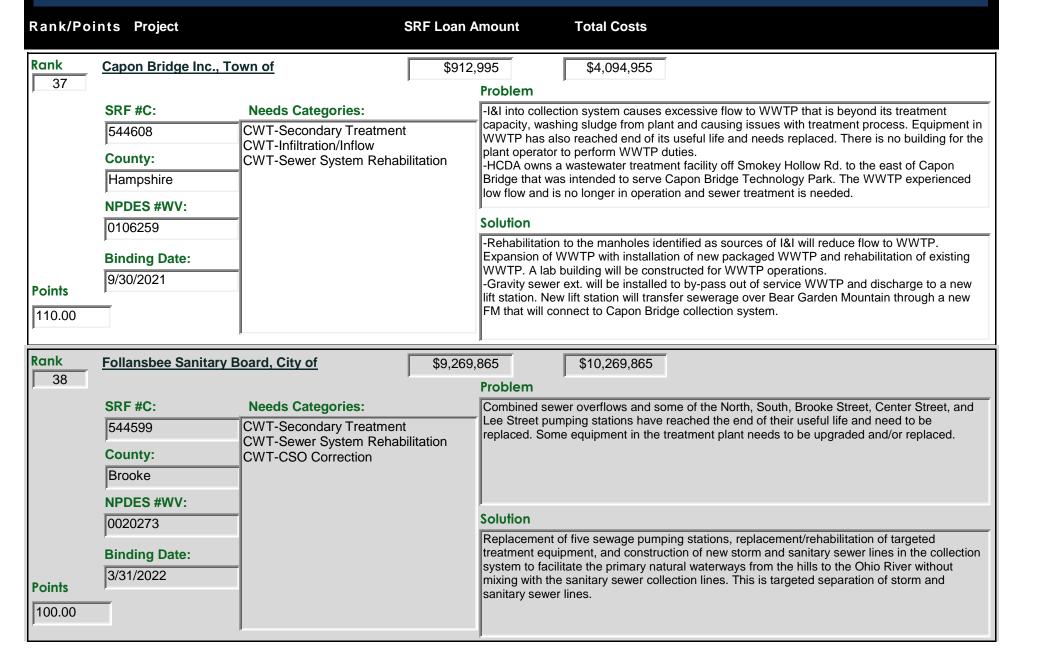
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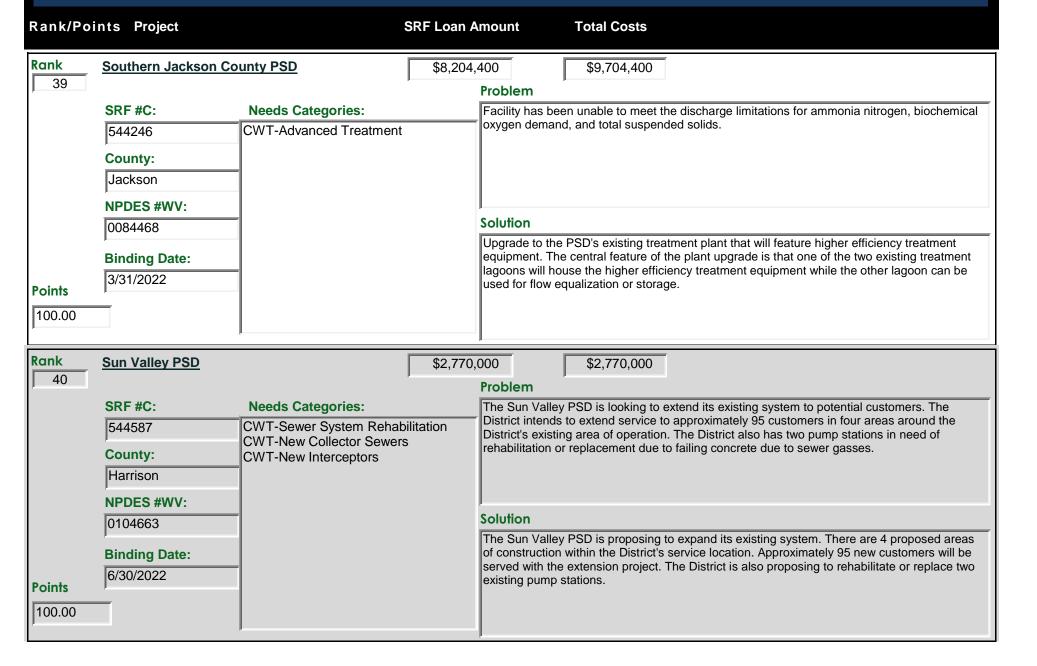
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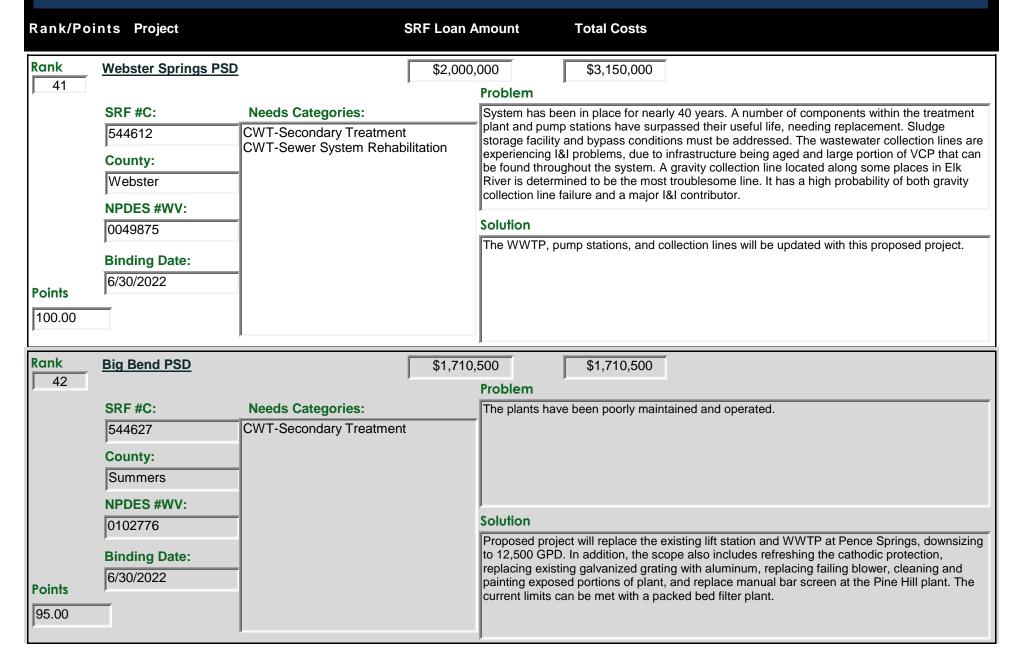
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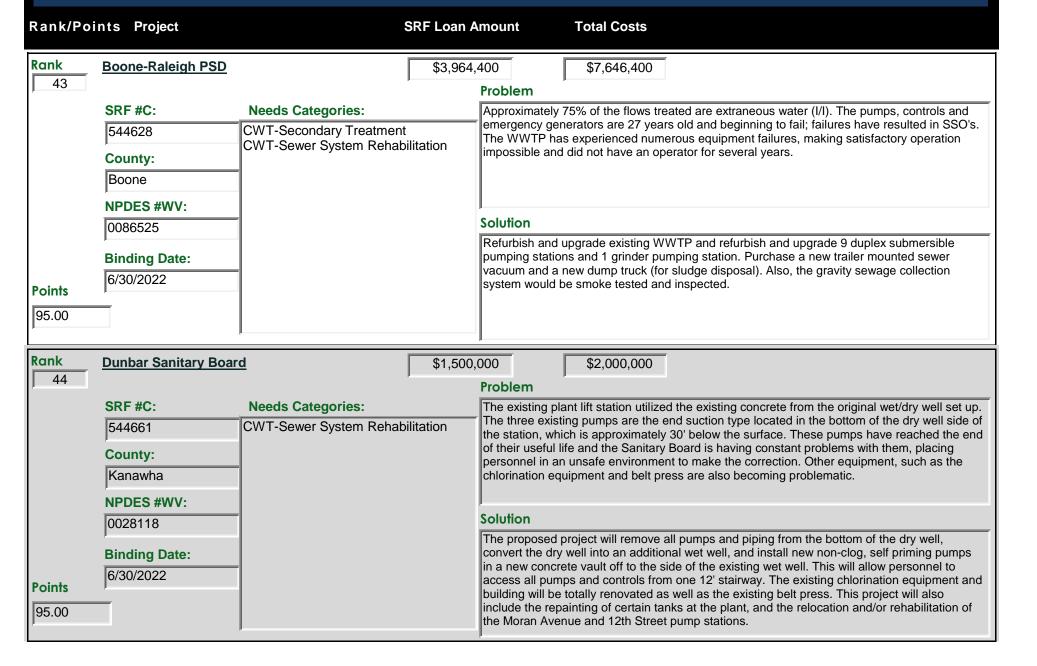
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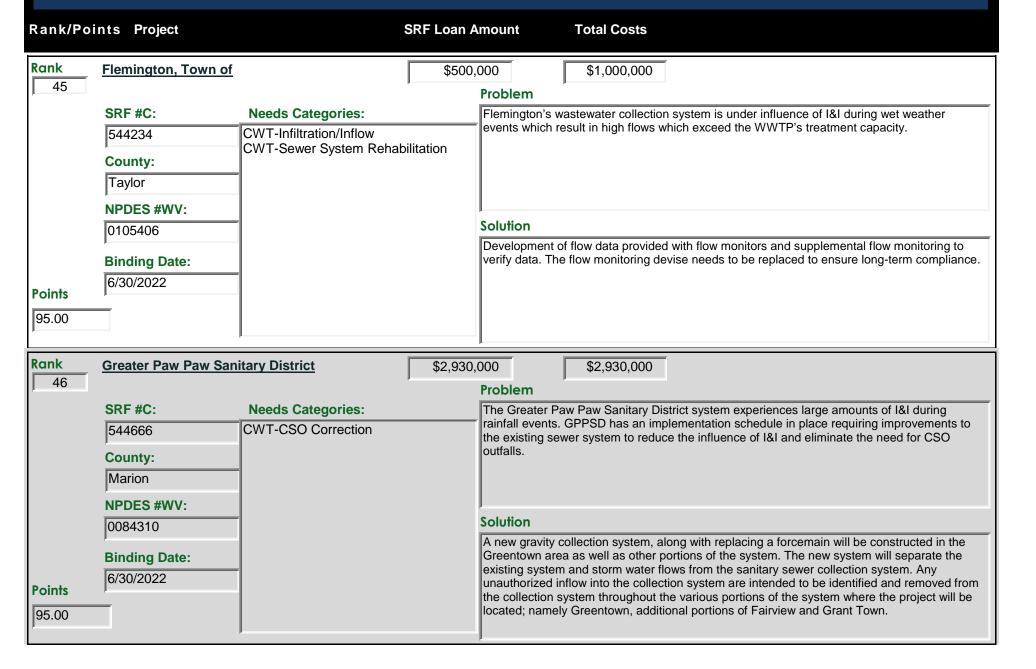
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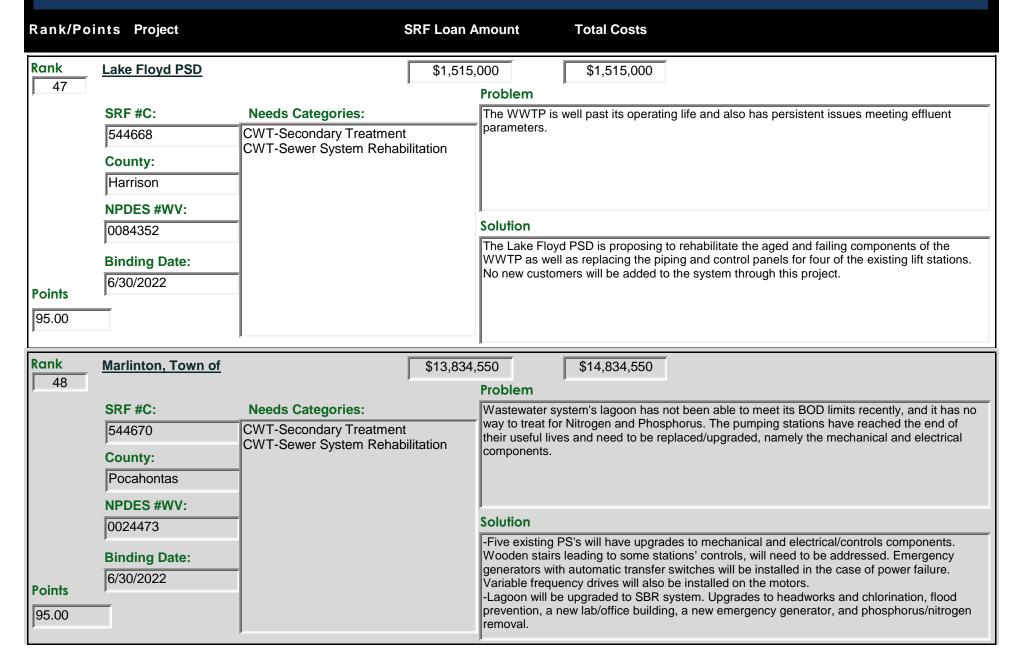
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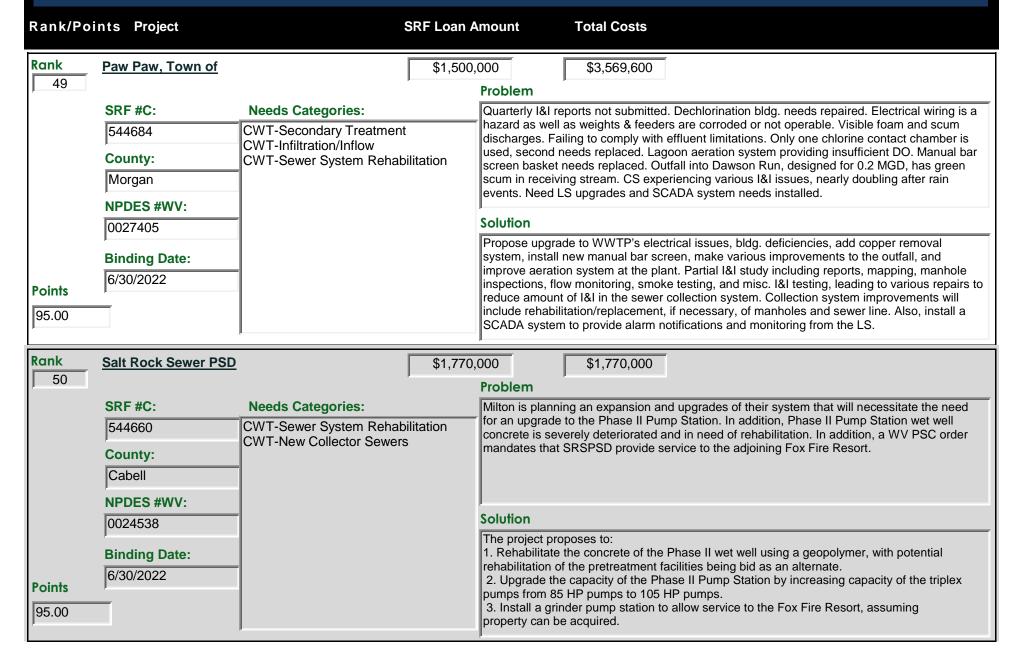
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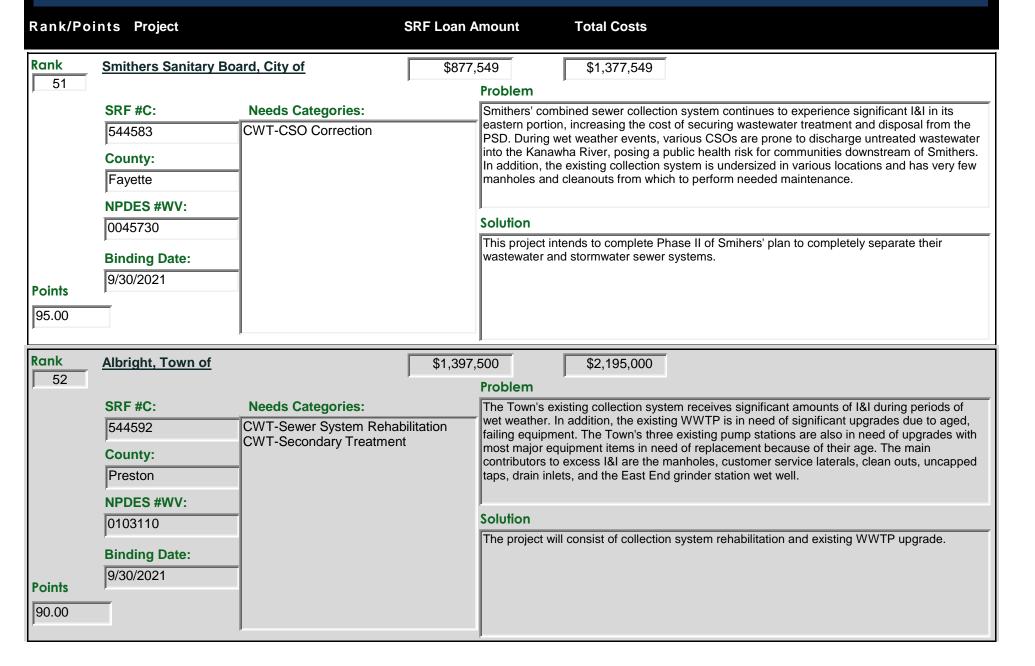
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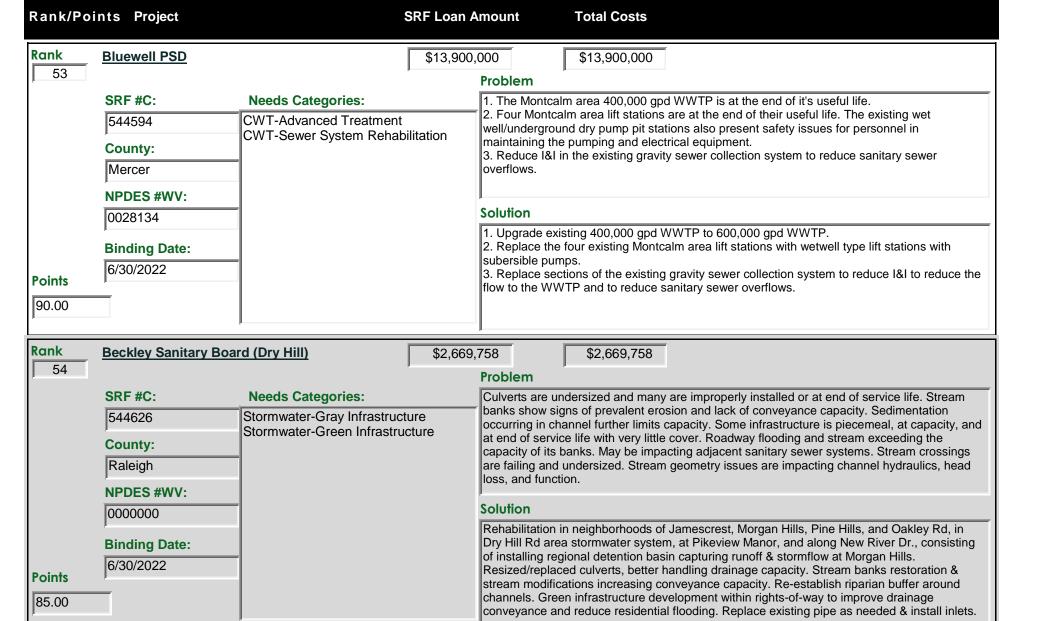
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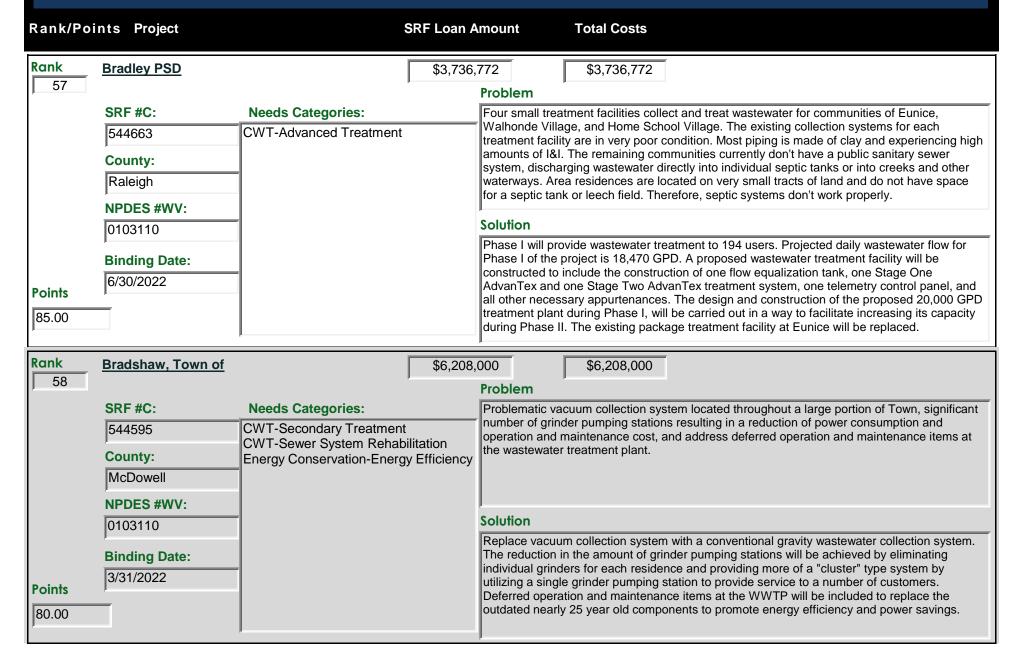
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Total Costs

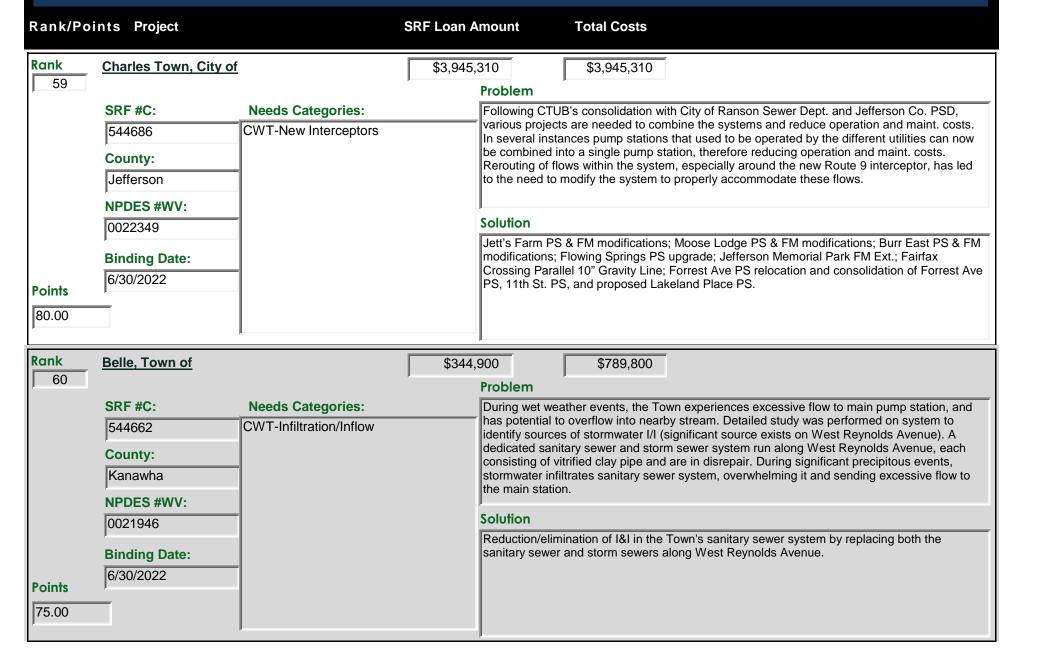
SRF Loan Amount

Rank/Points Project Rank **Beckley Sanitary Board (Pinecrest)** \$4,223,000 \$4,223,000 55 **Problem** SRF #C: **Needs Categories:** The stormwater infrastructure is drastically undersized and at the end of its service life. Vegetative overgrowth, sediment deposition, and sections of piping restrict channel flows. As CWT-Infiltration/Inflow 544624 the stormwater structures backup during rainfall events, drop inlets overflow and flood CWT-Sewer System Rehabilitation surrounding areas contributing I&I into the sanitary sewer collection system which negatively County: Stormwater-Gray Infrastructure impacts cost of treatment, water quality, and carrying capacity of the sanitary sewer system. Stormwater-Green Infrastructure Raleigh Frequent flooding of residential properties and roads, as well as excess sheet flow, occurs in this project area. NPDES #WV: Solution 0023183 Upgrade and rehabilitation of the Pinecrest area stormwater and sewer system. The purpose of this is to improve conveying capacity in the stormwater system. The project will consist of **Binding Date:** removing a section of pipe and channeling discharge into a free-flowing, functional channel at 6/30/2022 Pinecrest. The channel will be dredged out for proper conveying capacity. This project will **Points** also replace sections of existing storm drains with new, adequately sized storm drains to convey stormwater being received at the Beckley Little League, Hartley Ave, and the 85.00 Pinecrest area. The project will also implement various locations of green infrastructure. Rank **Beckley Sanitary Board (Rail Trail)** \$219.500 \$219,500 56 **Problem** SRF #C: **Needs Categories:** Beginning near the intersection of Piney Ave, the existing system is undersized to handle a 10-year design storm. In this vicinity the storm sewer catastrophically failed in a July 3, 2019 Stormwater-Green Infrastructure 544625 storm event and resulted in 3 properties flooding. The system continues to be undersized downstream nearly all the way to the discharge point at Little Whitestick Creek. Because of County: the undersized storm sewer conveyance system, the intersection of Robert C. Byrd and Ewart Raleigh Ave floods several times per year, causing the combined sewer system to receive additional [8], resulting in manhole surcharges and additional discharge out the CSO outfall. NPDES #WV: Solution 0000000 The Rail trail Stormwater Diversion and Control System will help alleviate these issues by constructing a series of intercepting open channels, culverts, and pipes along the existing **Binding Date:** Rail Trail right of way. This diversion system can potentially be built from Prince St. on the 6/30/2022 upstream end and drain into Whitestick Creek on the downstream end. The new storm drain **Points** diversion system will divert approx. 1/3 of existing rainfall away from existing Robert C. Byrd culvert system and provide a reduction of stormwater runoff, I&I and pollutant load through 85.00 implementation of an innovative stormwater real-time control solution.

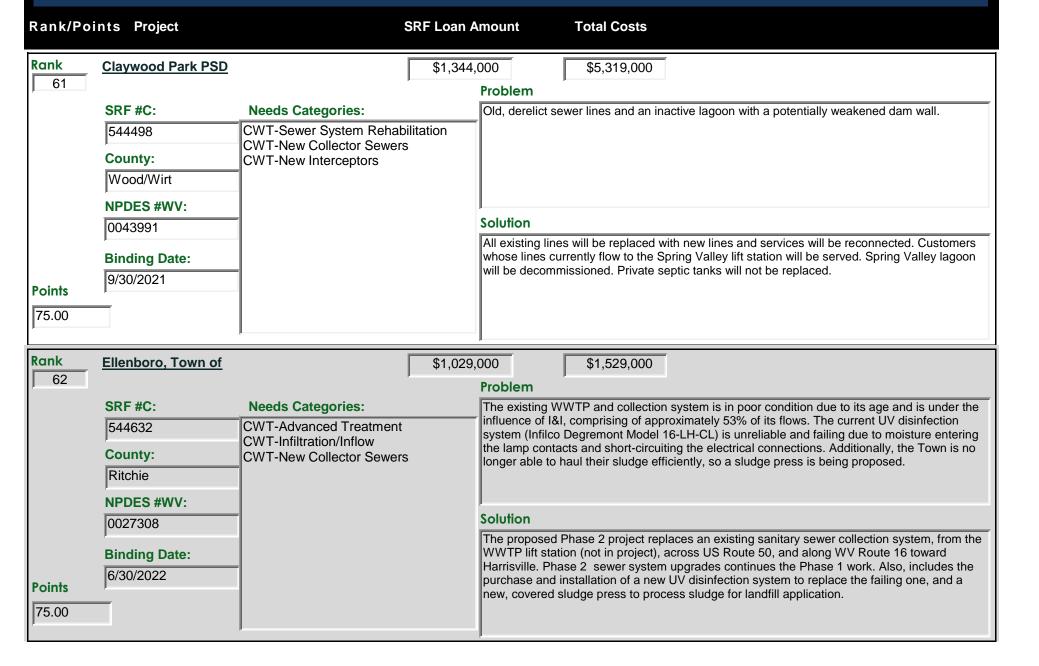
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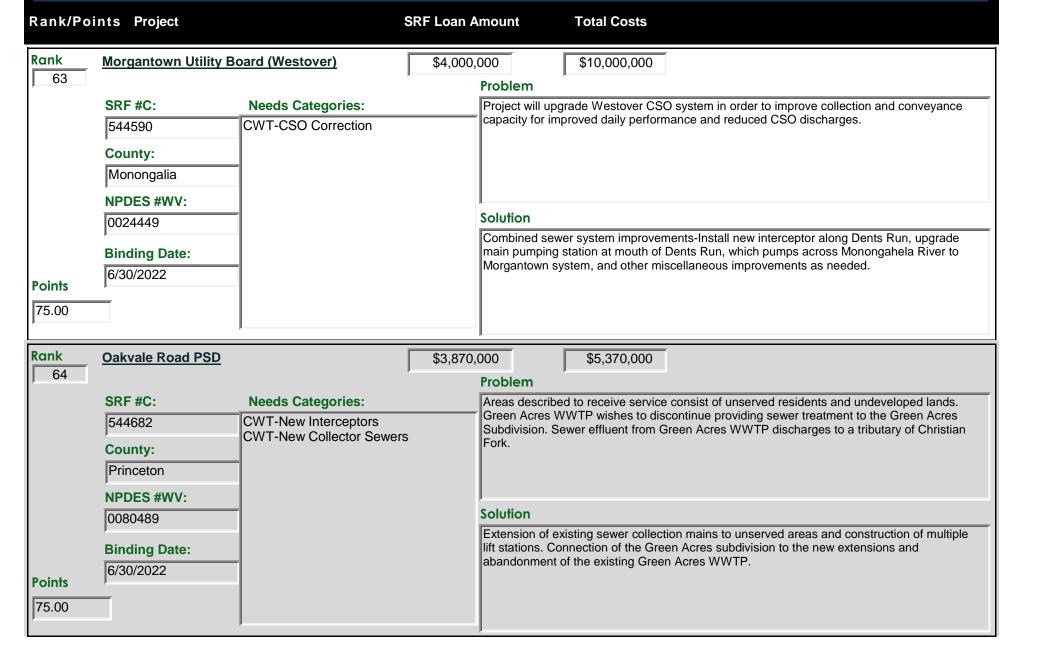
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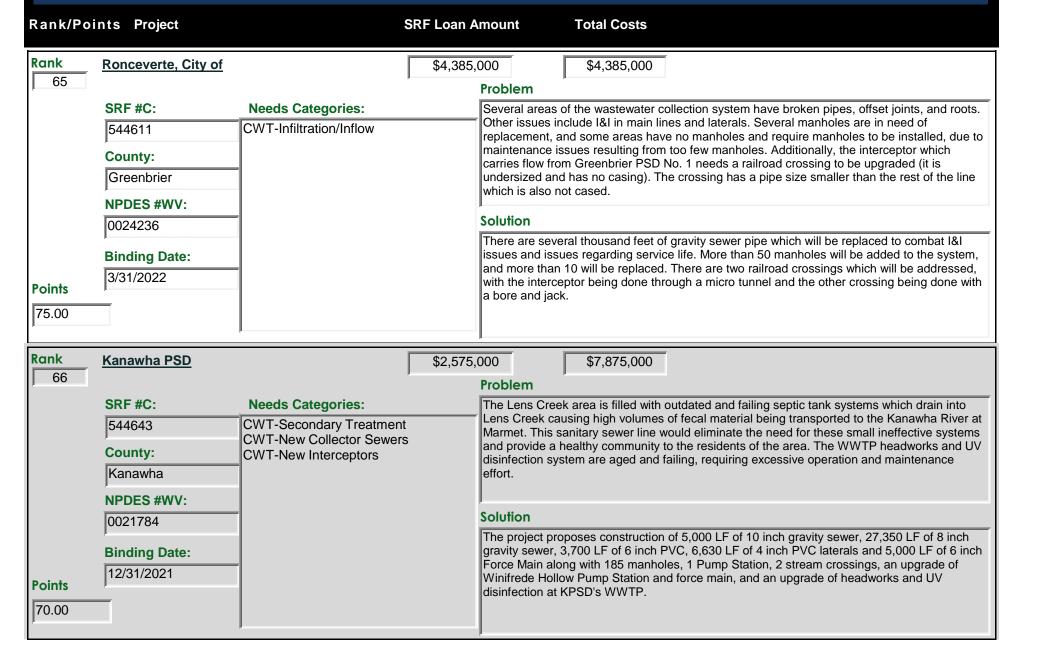
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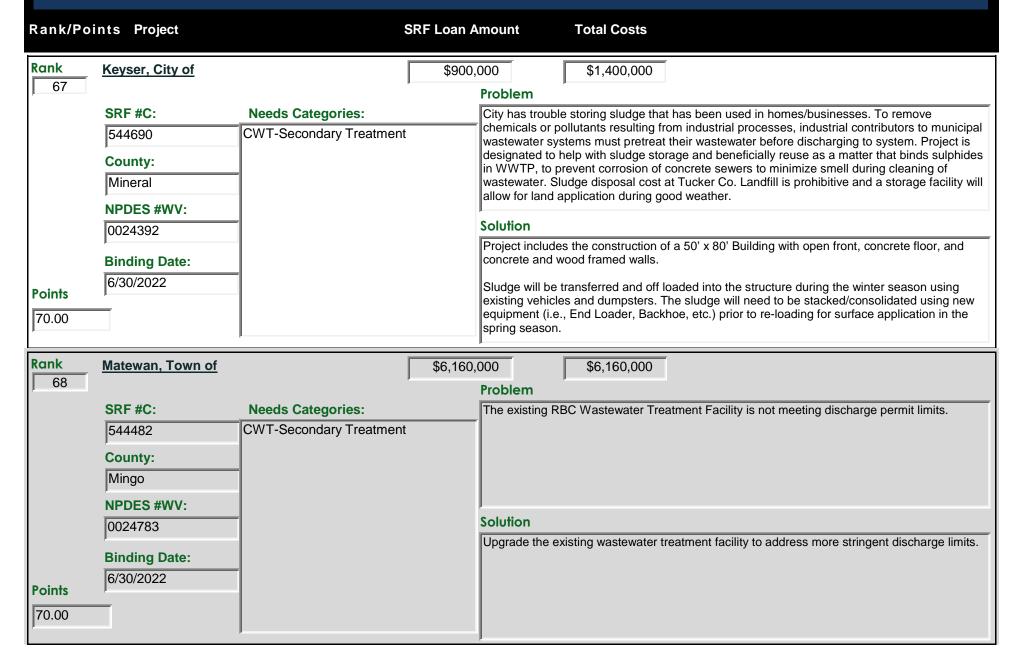
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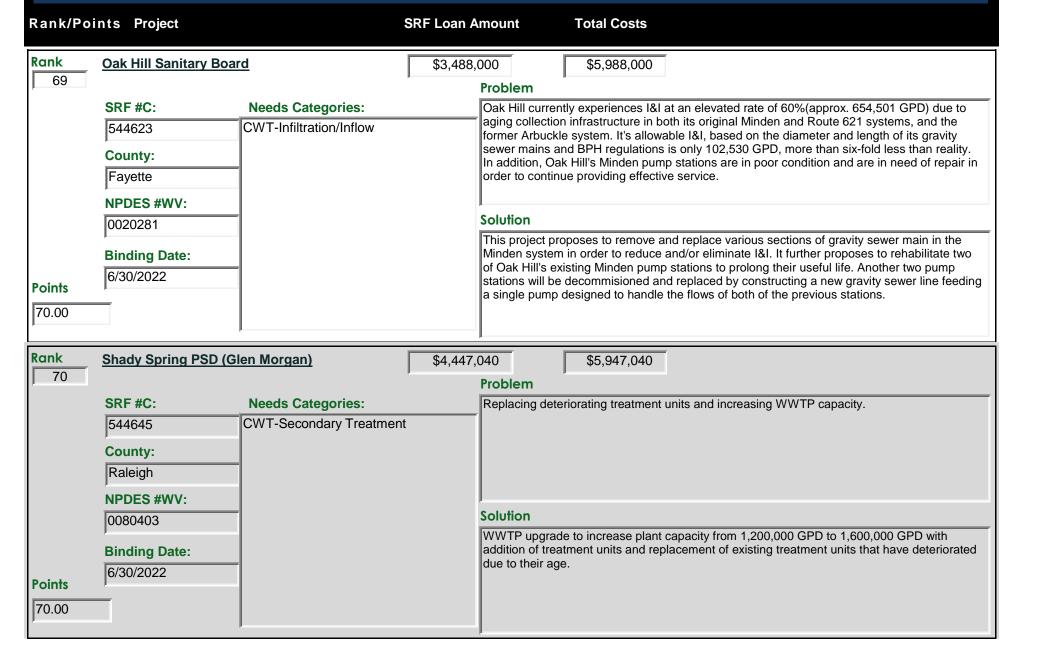
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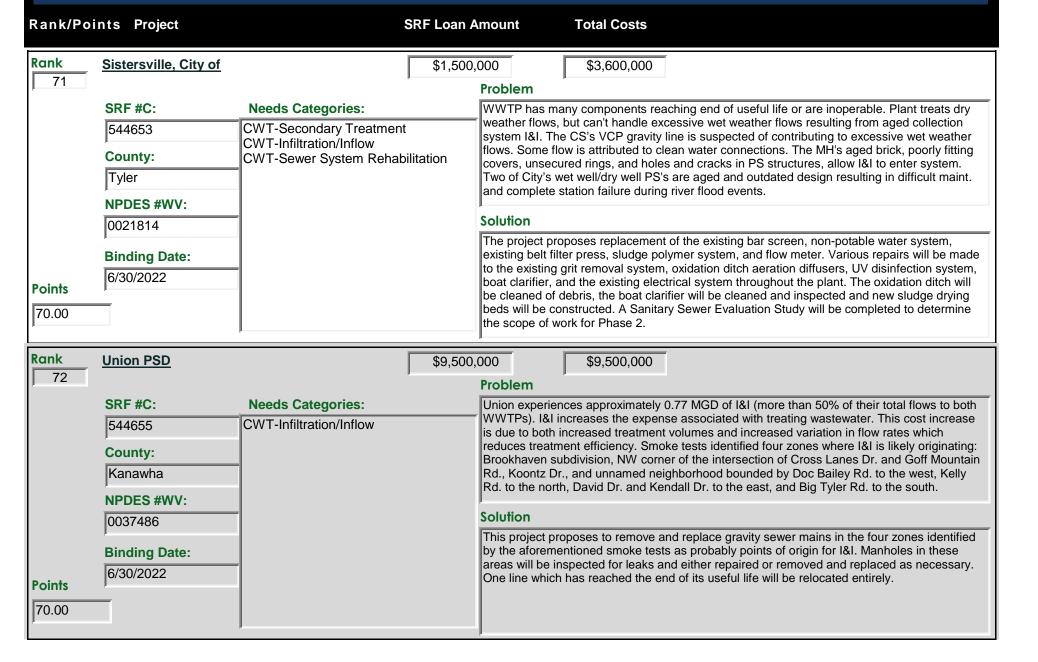
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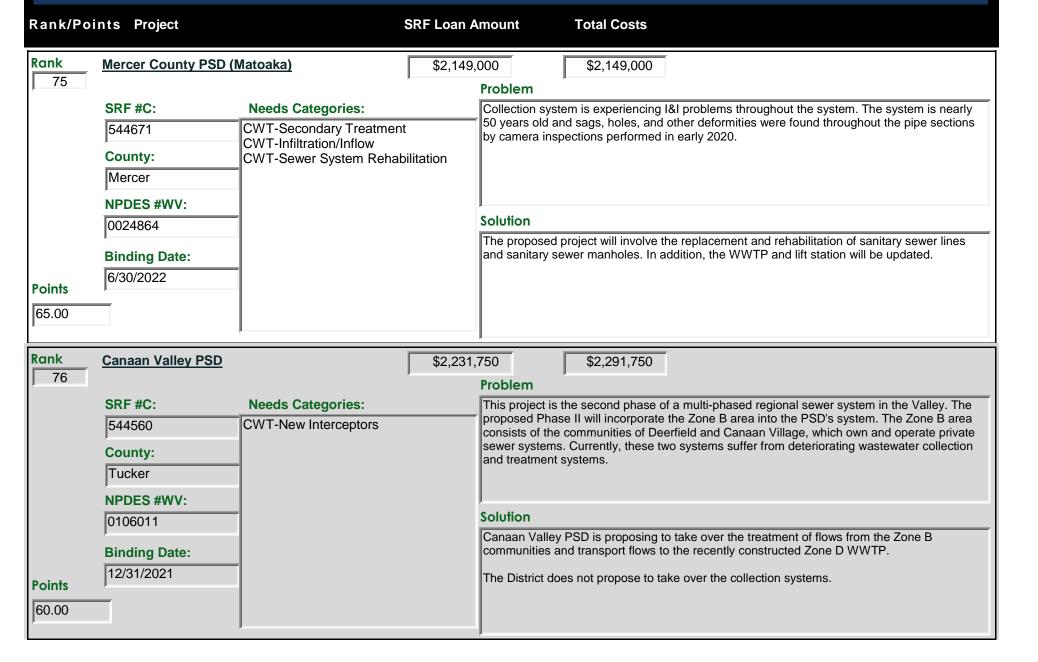
Total Costs

SRF Loan Amount

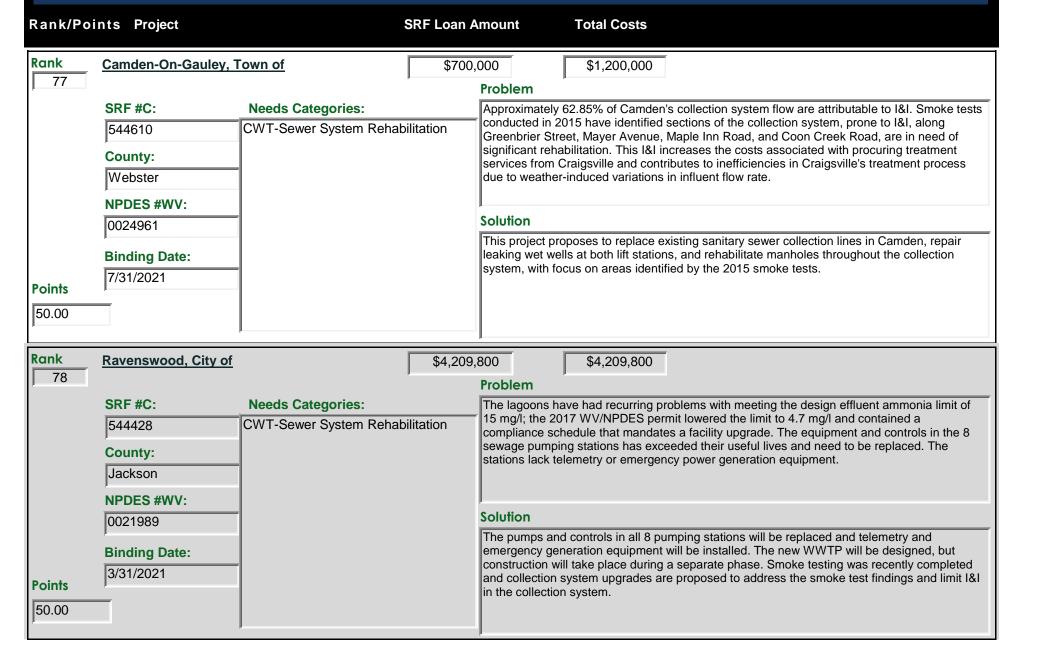
Rank/Points Project

Rank Barboursville Sanitary Board, Village of \$13,998,450 \$13,998,450 73 **Problem** SRF #C: **Needs Categories:** The condition of the lagoon is declining. It has not been cleaned out in approx. 50 years and it is unlined. Barboursville has expressed interest in replacing the lagoon entirely due to the CWT-Sewer System Rehabilitation 544615 increasing difficulty for the lagoon to meet capacity, water quality standards and design **CWT-New Interceptors** standards for groundwater protection. Additionally, there are several pumping stations which County: are 20 or more years old and in need of upgrades due to reaching the end of their useful lives. Cabell NPDES #WV: Solution 0024481 For this project, 6 of the aging pumping stations will be upgraded. The lagoon will be decommissioned, cleaned and filled. Wastewater will be pumped to the Treatment Plant at **Binding Date:** Pea Ridge PSD. This will require installing a new pumping station and more than 6000 linear 3/31/2022 feet of 10-inch force main. A payment of \$2.5 million will be made to the Pea Ridge PSD for **Points** them to expand their treatment plant. 65.00 Rank Cameron Sanitary Board, City of \$1,470,000 \$2,470,000 74 **Problem** SRF #C: **Needs Categories:** Based upon the 2020 WV PSC Annual Report, Cameron's wastewater collection system experienced 84.97% I&I. This is attributed to the storm sewer system being interconnected CWT-Infiltration/Inflow 544091 with the wastewater sewer system. Issues with open, exposed pipes connected to the system as well as compromised drain inlets and sanitary manholes were identified via smoke testing. County: Camera investigation identified sagging, cracks, and offset joints in portions of the PVC and Marshall terracotta lines. The excess of I&I leads to the WWTP not being able to handle the high volumes, and untreated wastewater being discharged from outlet 002. NPDES #WV: Solution 0020125 Areas of the waste water collection system where the storm sewer system is connected to the sanitary sewer system will be disconnected and provided independent collection systems. Old **Binding Date:** sewer system lines in the areas of Howard Street, High Street, Columbia Avenue, Crawford 6/30/2022 Avenue, and Fleming Avenue will also be replaced to reduce I&I values. The reduction to I&I **Points** will correlate to a decrease of untreated wastewater being discharged from outlet 002. The project will also propose to make sludge removal improvements at the WWTP. 65.00

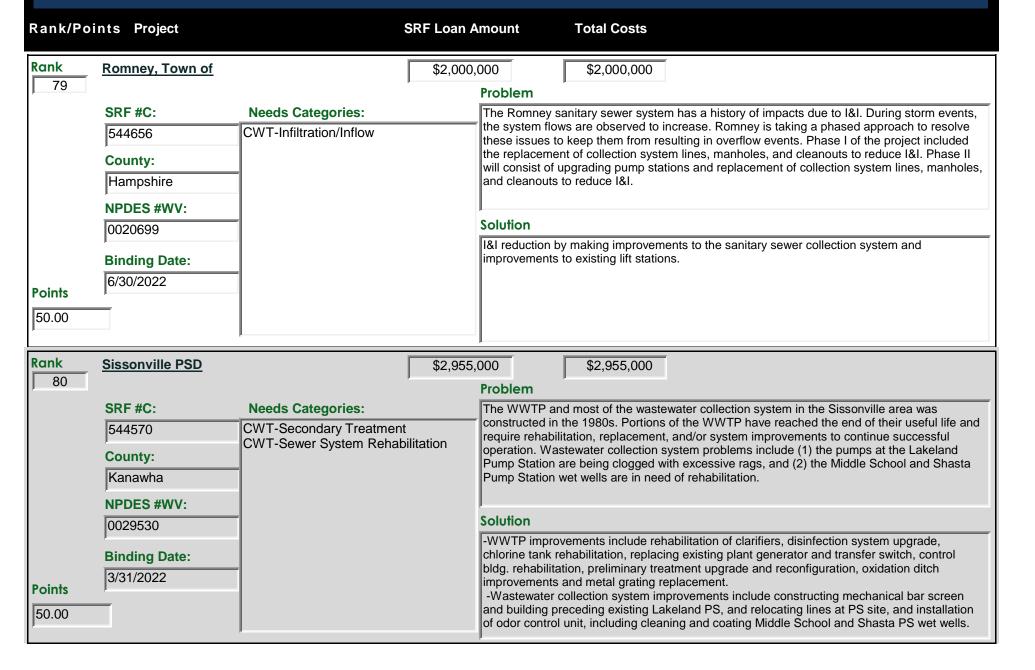
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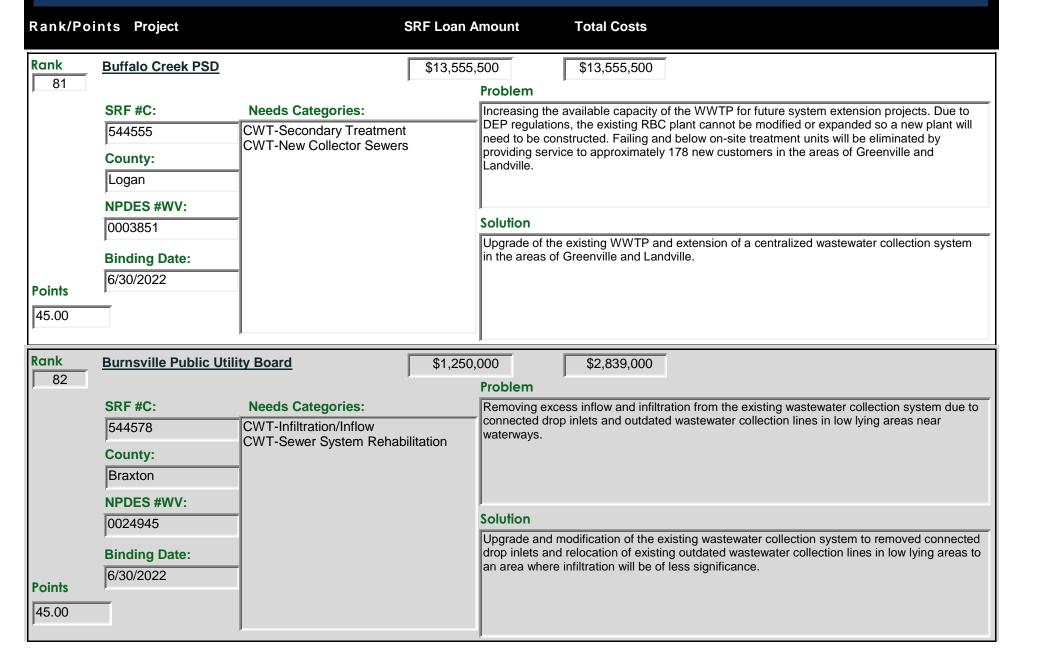
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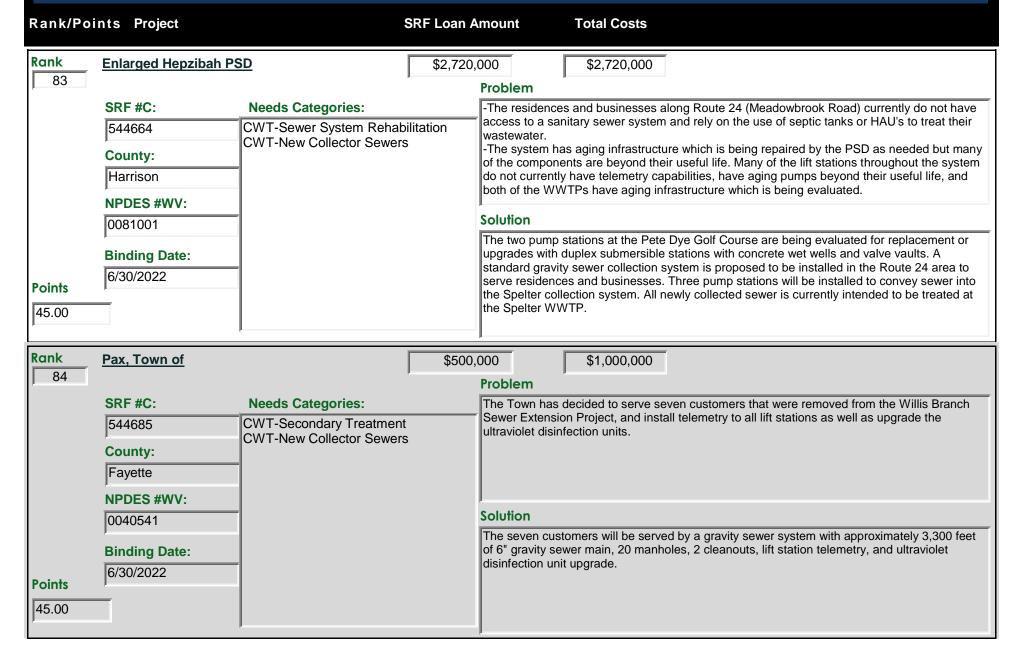
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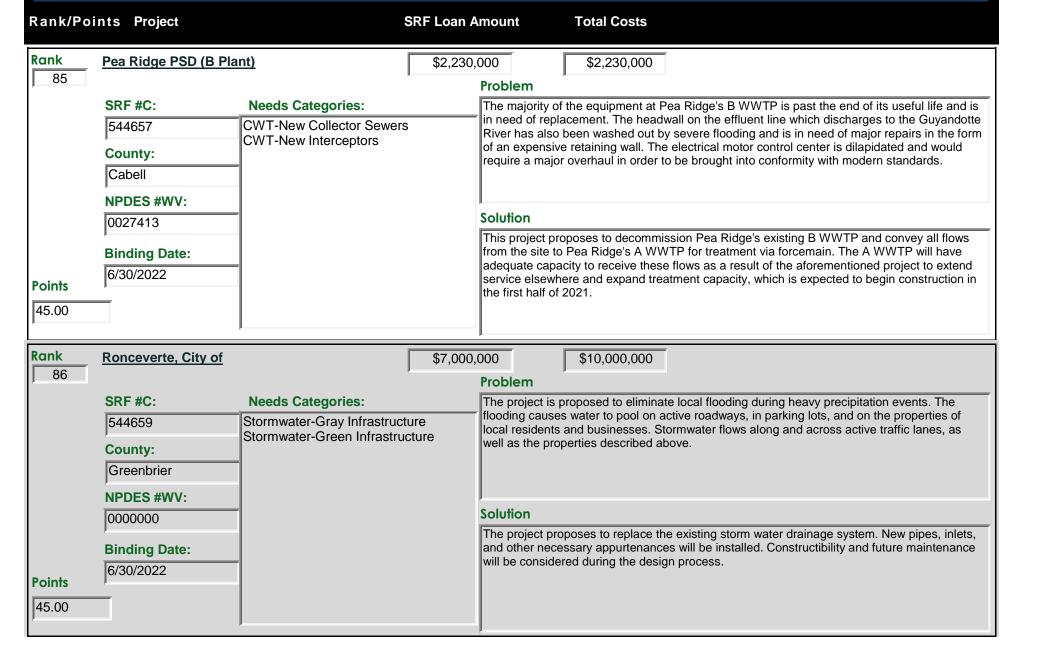
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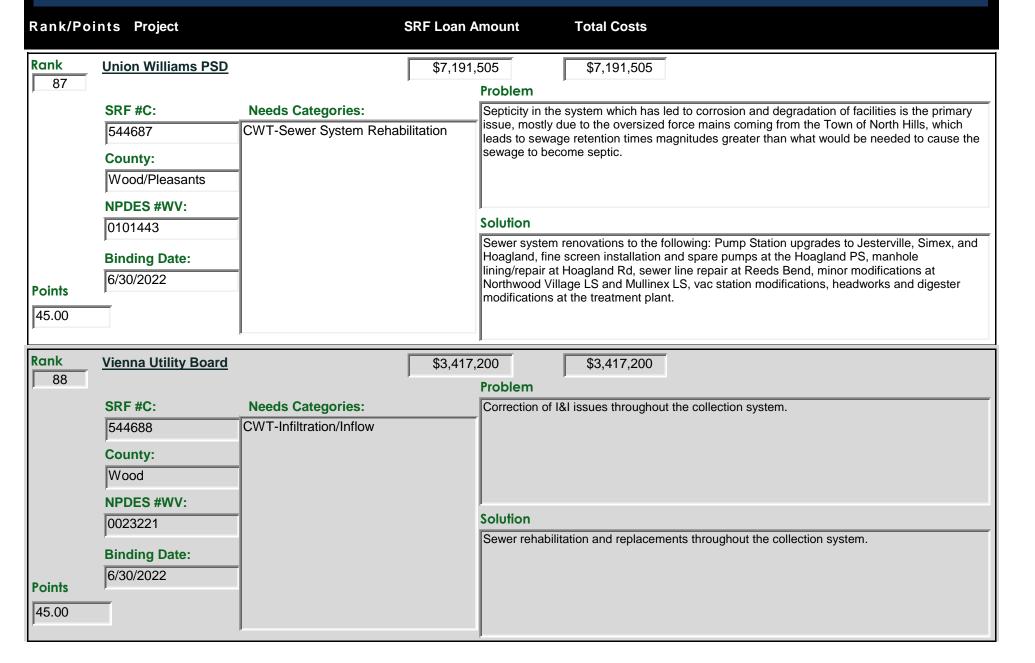
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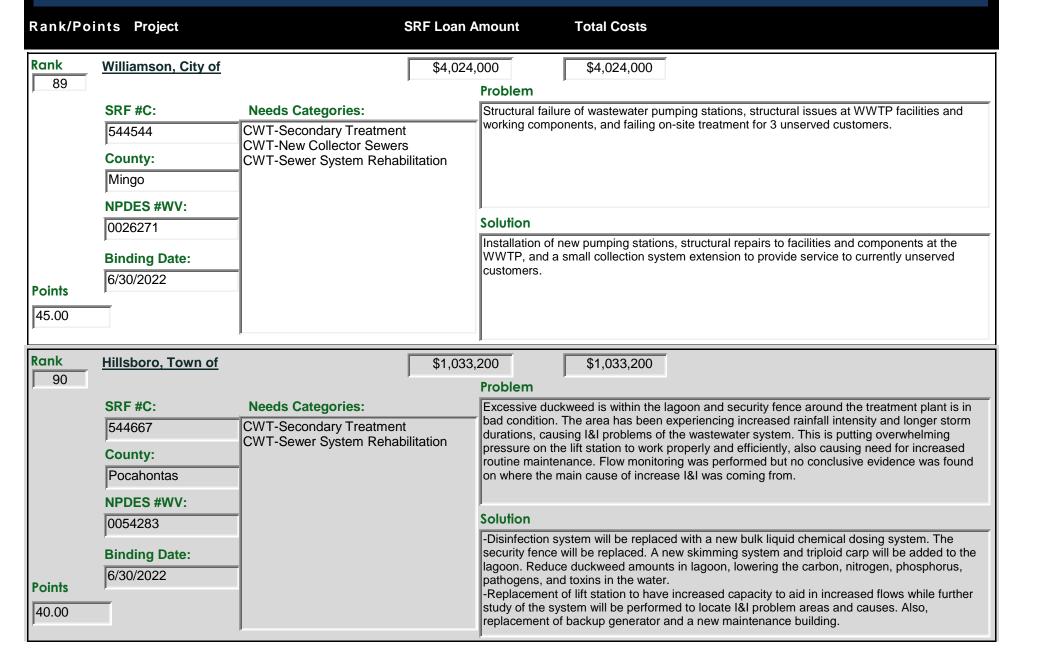
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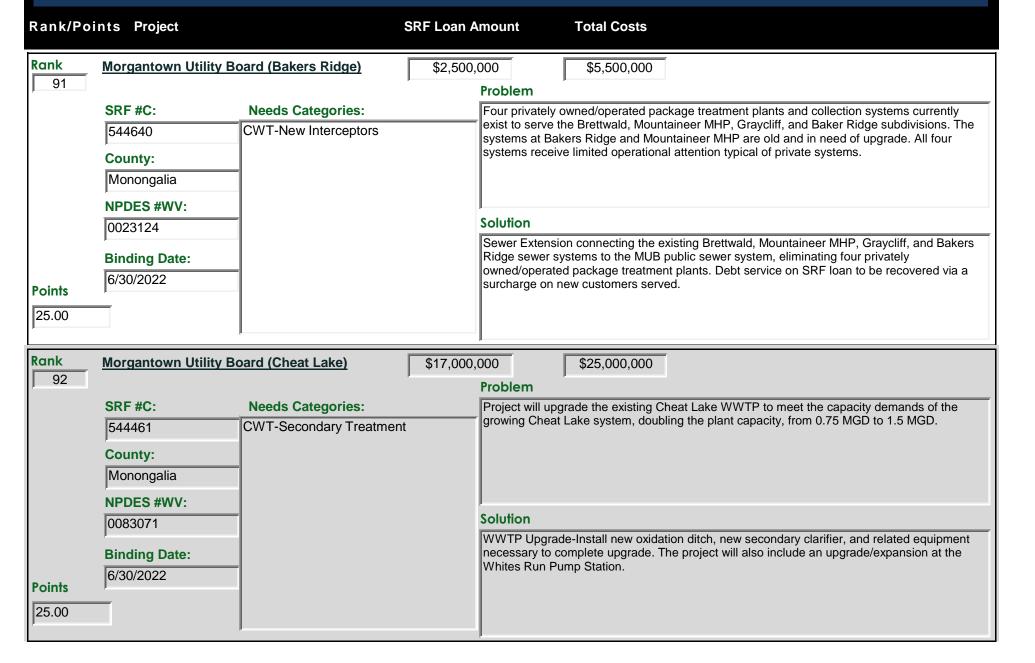
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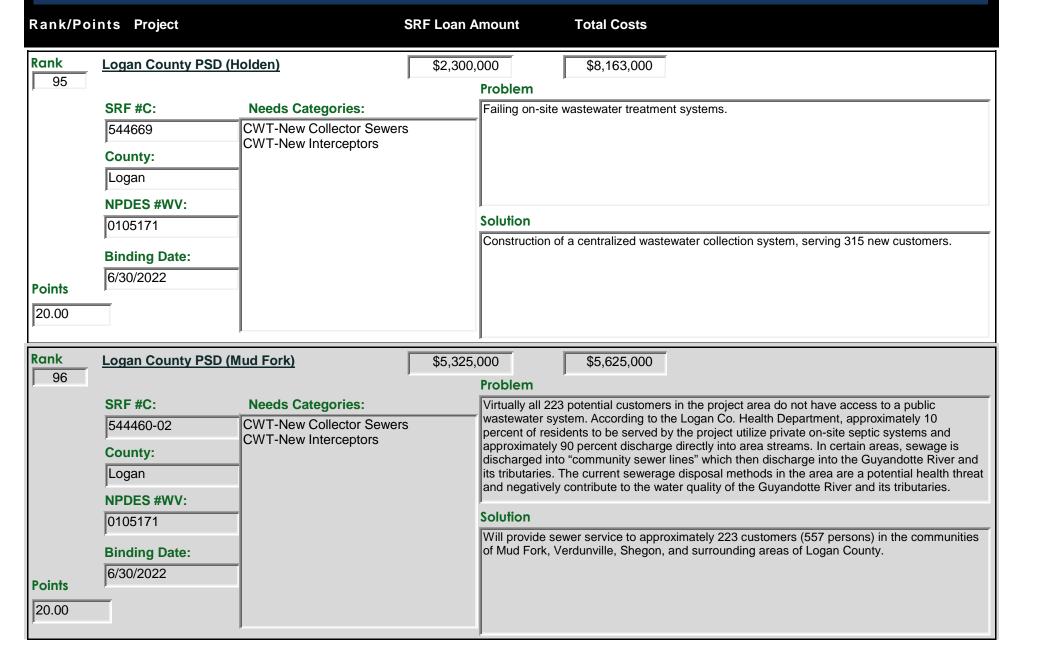
Total Costs

SRF Loan Amount

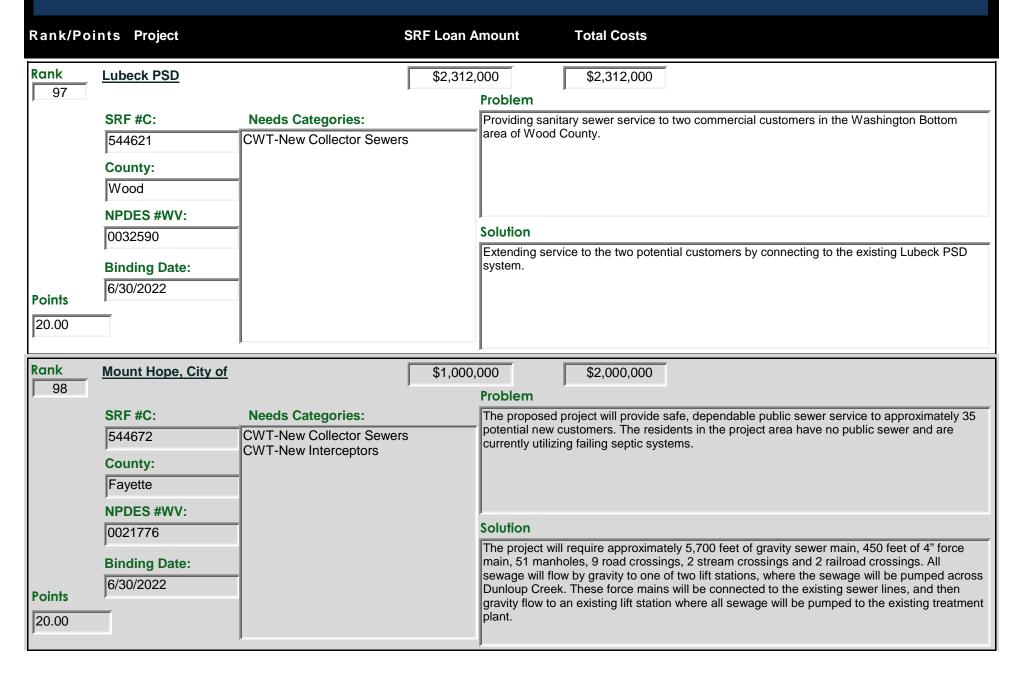
Rank/Points Project

Rank Greater Harrison County PSD (River \$1,250,000 \$1,250,000 Crossing) 93 **Problem** SRF #C: **Needs Categories:** Once the dams were removed from the West Fork river, three river crossings previously under the water level became exposed, posing a serious risk for breaks from floating debris in CWT-Sewer System Rehabilitation 544635 the river. The dams were removed to encourage recreational activities, these exposed lines prevent the river from being easily navigable and pose a safety risk. County: Harrison NPDES #WV: Solution 0084301 The PSD is proposing to directional drill under the West Fork River bed and remove the exposed river crossings. The West Milford dosing structure will have to be converted to a **Binding Date:** traditional pump station. 6/30/2022 **Points** 20.00 Rank **Greater Harrison County PSD (Sludge** \$500,000 \$1,000,000 94 Removal) **Problem** SRF #C: **Needs Categories:** Pond #1 has never had the sludge removed and is almost at its sludge holding capacity. The PSD is adding flows from new customers in the Clarksburg Country Club and Laurel Park CWT-Secondary Treatment 544658 areas. Due to Pond #1 being at sludge holding capacity and the increased flows from these two areas, there is a risk of sludge interrupting the function of the Bio Dome shells currently County: installed in Pond #2. Harrison NPDES #WV: Solution 0084301 The PSD is proposing to dredge Pond #1 to remove sludge that has never been removed. **Binding Date:** 6/30/2022 **Points** 20.00

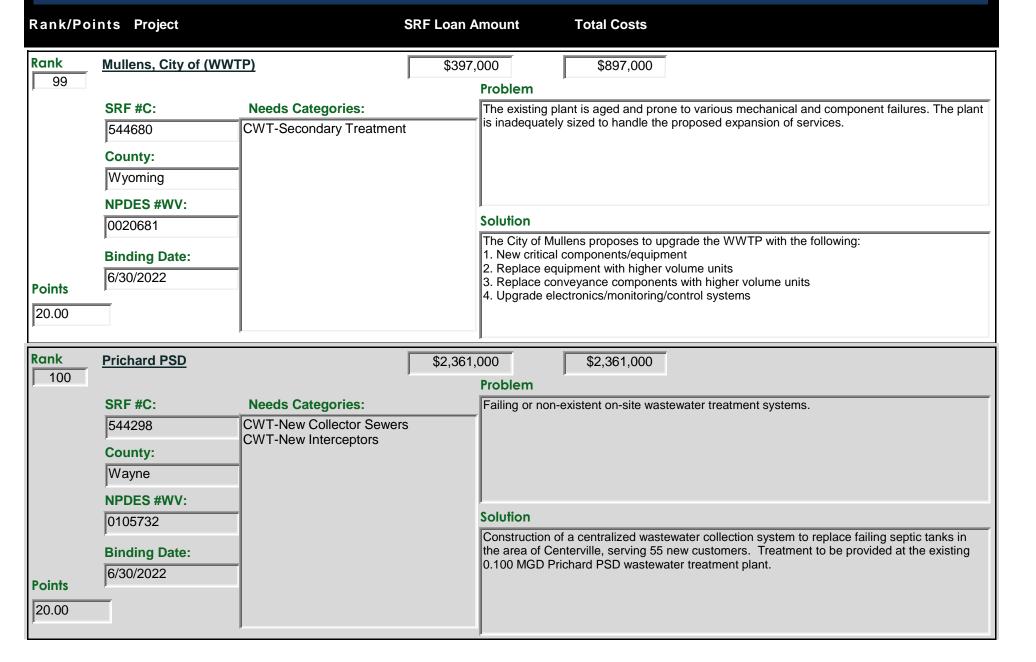
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Rank/Points Project SRF Loan Amount Total Costs

Rank	Weirton Sanitary Board		\$11,500,	\$22,550,000					
101		•		Problem					
	SRF #C:	Needs Categories:		According to its 2020 Annual Report to the WV PSC, Weirton treated waste					
	544650	CWT-Secondary Treatment		daily flows in excess of its permitted limit for five consecutive months from Dec April 2020, and within 90% of its permitted limit in May 2020. This is consistent					
	County:			rton must					
	Brooke			address these excessive flows in order to maintain compliance with its NPDES Po Weirton also anticipates demand for wastewater collection and treatment services service area to increase as a result of ongoing economic redevelopment efforts in					
	NPDES #WV:			service area to increase as a result of origoning economic redevelopment enorts	s in the area.				
	0023108	1		Solution					
Points 20.00	Binding Date: 6/30/2022			Increase treatment capacity of WWTP from 4.0 MGD to 8.0 MGD, allowing fututo 12.0 MGD, by constructing a new treatment train to operate parallel with exist process. Treated effluent from this train will combine with flows from existing process. Treated effluent from this train will combine with flows from existing process. UV disinfection and discharge. Will also remove/replace various components of treatment facility, including UV disinfection system, to prolong useful life of exist and ensure facility can handle increased flows.	sting treatment ocess prior to f existing				

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APPENDIX B

PROPOSED BINDING COMMITMENTS BY QUARTER

Appendix B - Binding Commitments and Cash Draw Proportionality Projects Budgeted for the Federal FY 2021 Grant

			State Fiscal Year 2022 (\$1,000)			
Project Scope	Proj Num	Activity	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
	C-544	Code	July-Sept	Oct-Dec	Jan-Mar	Apr-June
CSO Rehabilitation & Pump Station Upgrade Project	584	D3	\$4,017			
I/I Rehabilitation Project	565	D3	\$3,750			
WWTP Upgrade	617	D				\$22,550
n/a	n/a	n/a		\$0		
			\$7,767	\$0	\$0	\$22,550
	CSO Rehabilitation & Pump Station Upgrade Project I/I Rehabilitation Project WWTP Upgrade	CSO Rehabilitation & Pump Station Upgrade Project 584 I/I Rehabilitation Project 565 WWTP Upgrade 617	CSO Rehabilitation & Pump Station Upgrade Project 584 D3 I/I Rehabilitation Project 565 D3 WWTP Upgrade 617 D	Project Scope Proj Num C-544 Activity Code 1st Qtr July-Sept CSO Rehabilitation & Pump Station Upgrade Project I/I Rehabilitation Project WWTP Upgrade 584 D3 \$4,017 617 D \$3,750 n/a n/a n/a	Project Scope Proj Num C-544 Activity Code 1st Qtr July-Sept 2nd Qtr Oct-Dec CSO Rehabilitation & Pump Station Upgrade Project I/I Rehabilitation Project WWTP Upgrade 584 D3 \$4,017 D3 \$3,750 D3 \$3,750 D3 \$3,750 D3 \$3,750 D3 \$3,750 D3 \$0	Project Scope Proj Num C-544 Code Suly-Sept Oct-Dec July-Sept Oct-Dec Juny-Sept Oct-

Federal Share (0.8333)		\$6,472	\$0	\$0	\$18,784	\$25,256
State Share (0.1667)		\$1,295	\$0	\$0	\$3,766	\$5,061
Total**		\$7,767	\$0	\$0	\$22,550	\$30,317

Payment Schedule for the CWSRF Program: CS-540001-21

Federal Quarter	Payment Date	CWSRF Amount	Cumulative Amount
FFY 2021-Quarter 4	10/31/2021	\$24,769,000	\$24,769,000

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

				State Fiscal Year 2022 (\$1,000)			
Name	Project Scope	Proj Num	Activity	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
		C-54	Code	July-Sept	Oct-Dec	Jan-Mar	Apr-June
Albright	WWTP & Collection System Upgrade	4592	D3	\$1,397			
Ansted	CSO Rehabilitation & Pump Station Upgrade Project	4584	D3	\$4,017			
Auburn	New Decentralized WWTP	7201-02	D3			\$2,411	
Barboursville	WWTP decommisioning/Connect to Pea Ridge	4615	D				\$13,998
Benwood	CSO Project	4531	D				\$3,404
Canaan Valley PSD	Sewer Extension	4560	D2		\$2,235		
Capon Bridge	Sewer Extension	4608	D2	\$950			
Claywood Park PSD	I/I Rehabilitation Project	4498	D3			\$2,344	
Follansbee	WWTP Upgrade & CSO project	4599	D				\$9,270
Huttonsville PSD	WWTP Upgrade/SSO reduction Project	4569	D3	\$2,940			
McDowell Co. PSD (Iaeger)	New WWTP & Collection System	4513	D3	\$1,500			
Mingo Co. PSD	Sewer Extension	4312	D			\$891	
Monongah	I/I Rehabilitation Project	4565	D3	\$3,750			
North Beckley PSD	WWTP & Collection System Upgrade	4617	D				\$13,232
Pea Ridge PSD	WWTP Upgrade/Sewer Extension	4576	D3	\$28,500			
Pocahontas Co. PSD	Sewer Extension	4604	D3	\$1,800			
Ripley	WWTP Upgrade/Sewer Extension	4575	D2			\$12,100	
Ronceverte	I/I Rehabilitation Project	4611	D			\$3,385	
Sissonville	WWTP Upgrade	4570	D				\$2,949
Smithers	I/I Rehabilitation Project	4583	D3	\$877			
Weirton	WWTP Upgrade	4650	P				\$22,550
DEP Administration	n/a	n/a	n/a				
NPS - Agriculture	various	n/a	n/a	\$25	\$25	\$25	\$25
NPS - Agriculture	various	n/a	n/a	\$300	φ23	φ23	φ2.
INI 9 - Olisite	various	II/a	11/ a	\$500			
			Sub-total	\$44,659	\$2,260	\$21,156	\$65,428
						Grand total	\$133,503

Appendix C - Projects Budgeted for the Intended Use Plan Available Funds

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 six months 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

The FY2022 Public Hearing was scheduled for June 10, 2021, at 10:00am, by Zoom Meeting. Seven members of the public and fifteen SRF staff were present in the meeting. Kathy Emery read the highlights of the FY2022 IUP. The following questions were received during the meeting. After the questions were answered the meeting was adjourned.

Question No. 1 – Would SRF consider a loan term of 35 years, matching other federal loan sources.

Answer to Question No. 1 – SRF would take this into consideration. Also, SRF has a wrap loan option that can be used to offset the difference in the loan terms.

Question No. 2 – Are there any thoughts of changes for census and gallons use for measurements?

Answer to Question No. 2 – We are waiting on the census to come out. Once we have access, we will be updating our charts to reflect that data.

Question No. 3 – Would consideration be given for additional points if the community did not get points for unemployment and population decreases, but rates are well over the 2% MHI. Maybe opening it up so they would have the ability to qualify for principal forgiveness.

Answer to Question No. 3 – It is a federal requirement that we take unemployment and population trends into account. If the community's MHI is greater than 2%, they are given 75 points, automatically qualifying them for up to \$1,000,000 in principal forgiveness. Even if they scored 0 for unemployment and population, they would still be eligible, they just would not be able to reach the \$1,500,000. We have tried to set this up so we can do a substantial amount of principal forgiveness but also be able to spread it over as many projects as possible.

Question No. 4 – Are the values listed in the IUP what we should be using for the consideration for population, etc.? Are we not going use the current census data?

Answer to Question No. 4 - We did update the unemployment and population charts with the current data. We do not have access to updated census data. Once the census is released the charts will be updated.

Question No. 5 – If the census data changes during the year, will you make that an immediate change or would that be for the next year's IUP?

Answer to Question No. 5 – We can consider making changes to the IUP. It would depend on how long it would take to develop the charts and how things will be with the current funding market. If additional money does come out that would require updating the IUP, if the census data is available, we would update both at that time.

Question No. 6 – If additional funding becomes available, are you going to be funding those on the Priority List first?

Answer to Question No. 6 – Yes. To access SRF money, the project must be listed on the Priority List for that fiscal year. Even though funding may be available in March, if you are not going to be closing on that project by June 30^{th} of next year, then they would have to be on the next fiscal year's Priority List.

Question No. 7 – Can you clarify on how the utility bill for the MHI ratio will be determined when you have a stormwater project? Is it based on the fees plus the wastewater fees?

Answer to Question No. 7 – To provide relief to the stormwater only projects but still entice interest bearing loans, we are going to use whatever the sewer bill is for that community as the determination of the loan terms.

Question No. 8 – When will FY2022 IUP be in effect?

Answer to Question No. 8 – July 1, 2021.

Question No. 9 – If the stormwater loan is not principal forgiveness and is being repaid, is it being repaid by the stormwater rates? Not the sewer rates?

Answer to Question No. 9 – Correct.



WV Clean Water State Revolving Fund FY2022 IUP Public Hearing Attendance Sheet

June 10, 2021 – 10:00am

Name	Organization
Kathy Emery	DEP
Michelle Brenner	DEP
John Rogers	DEP
Tina Hall	DEP
John Giroir	DEP
Samme Gee	Jackson Kelly, PLLC
Elizabeth Hill	DEP
Klancey Burford	DEP
Michael D. Griffith, CPA	Griffith & Associates, PLLC
Dominique Madison	DEP
Jason Billups	DEP
Matthew Peters	Thompson & Litton, Inc.
Kylea Radcliff	The Thrasher Group
Dan Ferrell	The Thrasher Group
Thomas Cazad	DEP
April McComas	DEP
Cindy Cavender	DEP
Stacey Fowler	Thompson & Litton, Inc.
Dan Bailey	DEP
Matthew Codispoti	DEP
Kimberly Henderson	DEP
Carrie Grimm	Triad Engineering

APPENDIX E

MEDIAN HOUSEHOLD INCOME BY COUNTY AND MAGISTERIAL DISTRICT

	Median HH			
County/Magisterial District	Income	1.50%	1.75%	2.00%
Barbour	37,066	46.33	54.05	61.78
North district	30,994	38.74	45.20	51.66
South district	39,421	49.28	57.49	65.70
West district	45,206	56.51	65.93	75.34
Berkeley	55,239	69.05	80.56	92.07
Adam Stephens district	35,137	43.92	51.24	58.56
Norborne district	73,240	91.55	106.81	122.07
Potomac district	56,184	70.23	81.94	93.64
Shenandoah district	57,319	71.65	83.59	95.53
Tuscarora district	55,729	69.66	81.27	92.88
Valley district	56,250	70.31	82.03	93.75
Boone	39,958	49.95	58.27	66.60
District 1	38,725	48.41	56.47	64.54
District 2	40,042	50.05	58.39	66.74
District 3	41,075	51.34	59.90	68.46
Braxton	32,750	40.94	47.76	54.58
Eastern district	31,583	39.48	46.06	52.64
Northern district	38,832	48.54	56.63	64.72
Southern district	31,946	39.93	46.59	53.24
Western district	32,563	40.70	47.49	54.27
Brooke	46,215	57.77	67.40	77.03
Follansbee district	48,375	60.47	70.55	80.63
Weirton district	46,887	58.61	68.38	78.15
Wellsburg district	41,804	52.26	60.96	69.67
Cabell	38,344	47.93	55.92	63.91
District 1	38,410	48.01	56.01	64.02
District 2	23,014	28.77	33.56	38.36
District 3	29,743	37.18	43.38	49.57
District 4	46,574	58.22	67.92	77.62
District 5	48,610	60.76	70.89	81.02
Calhoun	35,568	44.46	51.87	59.28
District 1	31,300	39.13	45.65	52.17
District 2	32,222	40.28	46.99	53.70
District 3	42,390	52.99	61.82	70.65
District 4	41,111	51.39	59.95	68.52
District 5	33,885	42.36	49.42	56.48
Clay	31,325	39.16	45.68	52.21
District A	34,688	43.36	50.59	57.81
District B	25,383	31.73	37.02	42.31
District C	33,446	41.81	48.78	55.74
Doddridge	39,974	49.97	58.30	66.62

	Median HH			
County/Magisterial District	Income	1.50%	1.75%	2.00%
Beech district	42,875	53.59	62.53	71.46
Maple district	39,301	49.13	57.31	65.50
Oak district	45,363	56.70	66.15	75.61
Pine district	34,750	43.44	50.68	57.92
Fayette	36,293	45.37	52.93	60.49
New Haven district	38,339	47.92	55.91	63.90
Plateau district	34,320	42.90	50.05	57.20
Valley district	34,683	43.35	50.58	57.81
Gilmer	37,536	46.92	54.74	62.56
Center district	34,148	42.69	49.80	56.91
City district	33,315	41.64	48.58	55.53
De Kalb - Troy district	39,259	49.07	57.25	65.43
Glenville district	40,673	50.84	59.31	67.79
Grant	39,088	48.86	57.00	65.15
Grant district	44,146	55.18	64.38	73.58
Milroy district	32,102	40.13	46.82	53.50
Union district	37,805	47.26	55.13	63.01
Greenbrier	39,746	49.68	57.96	66.24
Central district	44,606	55.76	65.05	74.34
Eastern district	37,617	47.02	54.86	62.70
Western district	36,543	45.68	53.29	60.91
Hampshire	27,995	34.99	40.83	46.66
Bloomery district	33,591	41.99	48.99	55.99
Capon district	25,578	31.97	37.30	42.63
Gore district	30,995	38.74	45.20	51.66
Mill Creek district	35,595	44.49	51.91	59.33
Romney district	29,375	36.72	42.84	48.96
Sherman district	23,739	29.67	34.62	39.57
Springfield district	29,926	37.41	43.64	49.88
Hancock	39,959	49.95	58.27	66.60
Butler district	42,852	53.57	62.49	71.42
Clay district	38,306	47.88	55.86	63.84
Grant district	39,258	49.07	57.25	65.43
Hardy	40,303	50.38	58.78	67.17
Capon district	37,344	46.68	54.46	62.24
Lost River district	52,159	65.20	76.07	86.93
Moorefield district	37,313	46.64	54.41	62.19
Old Fields district	32,454	40.57	47.33	54.09
South Fork district	40,595	50.74	59.20	67.66
Harrison	43,987	54.98	64.15	73.31
Eastern district	60,777	75.97	88.63	101.30

	Median HH			
County/Magisterial District	Income	1.50%	1.75%	2.00%
Northern district	39,554	49.44	57.68	65.92
North Urban district	31,951	39.94	46.60	53.25
Southern district	46,911	58.64	68.41	78.19
South Urban district	44,450	55.56	64.82	74.08
Southwest district	41,443	51.80	60.44	69.07
Jackson	41,314	51.64	60.25	68.86
Eastern district	35,275	44.09	51.44	58.79
Northern district	32,016	40.02	46.69	53.36
Western district	56,220	70.28	81.99	93.70
Jefferson	66,677	83.35	97.24	111.13
Charles Town district	51,318	64.15	74.84	85.53
Harpers Ferry district	66,920	83.65	97.59	111.53
Kabletown district	90,929	113.66	132.60	151.55
Middleway district	60,354	75.44	88.02	100.59
Shepherdstown district	75,274	94.09	109.77	125.46
Kanawha	45,882	57.35	66.91	76.47
District 1	40,602	50.75	59.21	67.67
District 2	51,167	63.96	74.62	85.28
District 3	48,819	61.02	71.19	81.37
District 4	42,912	53.64	62.58	71.52
Lewis	37,849	47.31	55.20	63.08
Courthouse - Collins Settlement distric	34,452	43.07	50.24	57.42
Freemans Creek district	36,160	45.20	52.73	60.27
Hackers Creek - Skin Creek district	43,981	54.98	64.14	73.30
Lincoln	35,800	44.75	52.21	59.67
Carroll district (2012)	38,348	47.94	55.92	63.91
Duval district (2012)	34,256	42.82	49.96	57.09
Harts district (2012)	37,431	46.79	54.59	62.39
Jefferson district (2011)	25,417	31.77	37.07	42.36
Laurel Hill district (2012)	29,010	36.26	42.31	48.35
Sheridan district (2012)	30,347	37.93	44.26	50.58
Union district (2011)	33,826	42.28	49.33	56.38
Washington district (2012)	33,196	41.50	48.41	55.33
Logan	36,763	45.95	53.61	61.27
Central district	36,569	45.71	53.33	60.95
Eastern district	39,054	48.82	56.95	65.09
Western district	34,975	43.72	51.01	58.29
Marion	43,165	53.96	62.95	71.94
Middletown district	34,750	43.44	50.68	57.92
Palatine district	53,678	67.10	78.28	89.46
West Augusta district	42,347	52.93	61.76	70.58

	Median HH			
County/Magisterial District	Income	1.50%	1.75%	2.00%
Marshall	45,182	56.48	65.89	75.30
District 1	48,181	60.23	70.26	80.30
District 2	37,885	47.36	55.25	63.14
District 3	47,977	59.97	69.97	79.96
Mason	36,448	45.56	53.15	60.75
Arbuckle district	45,844	57.31	66.86	76.41
Clendenin district	32,616	40.77	47.57	54.36
Cologne district	25,132	31.42	36.65	41.89
Cooper district	54,623	68.28	79.66	91.04
Graham district	34,525	43.16	50.35	57.54
Hannan district	22,178	27.72	32.34	36.96
Lewis district	35,930	44.91	52.40	59.88
Robinson district	40,417	50.52	58.94	67.36
Union district	50,977	63.72	74.34	84.96
Waggener district	36,265	45.33	52.89	60.44
McDowell	24,921	31.15	36.34	41.54
Big Creek district	24,558	30.70	35.81	40.93
Browns Creek district	26,263	32.83	38.30	43.77
North Elkin district	30,069	37.59	43.85	50.12
Sandy River district	19,844	24.81	28.94	33.07
Mercer	36,195	45.24	52.78	60.33
District I	33,933	42.42	49.49	56.56
District II	37,309	46.64	54.41	62.18
District III	36,775	45.97	53.63	61.29
Mineral	31,790	39.74	46.36	52.98
District 1	30,985	38.73	45.19	51.64
District 2	26,837	33.55	39.14	44.73
District 3	38,157	47.70	55.65	63.60
Mingo	33,221	41.53	48.45	55.37
Beech Ben Mate district	28,284	35.36	41.25	47.14
Kermit Harvey district	36,288	45.36	52.92	60.48
Lee district	30,676	38.35	44.74	51.13
Magnolia district	28,780	35.98	41.97	47.97
Stafford district	29,560	36.95	43.11	49.27
Tug Hardee district	48,723	60.90	71.05	81.21
Williamson district	34,827	43.53	50.79	58.05
Monongalia	45,467	56.83	66.31	75.78
Central district	33,539	41.92	48.91	55.90
Eastern district	50,876	63.60	74.19	84.79
Western district	48,735	60.92	71.07	81.23
Monroe	36,918	46.15	53.84	61.53

	Median HH			
County/Magisterial District	Income	1.50%	1.75%	2.00%
Central district	39,000	48.75	56.88	65.00
Eastern district	34,383	42.98	50.14	57.31
Western district	38,010	47.51	55.43	63.35
Morgan	39,324	49.16	57.35	65.54
District 1	33,426	41.78	48.75	55.71
District 2	39,255	49.07	57.25	65.43
District 3	43,643	54.55	63.65	72.74
Nicholas	39,171	48.96	57.12	65.29
Beaver district	31,233	39.04	45.55	52.06
Grant district (2014)	48,171	60.21	70.25	80.29
Hamilton district	44,736	55.92	65.24	74.56
Jefferson district	35,817	44.77	52.23	59.70
Kentucky district	46,441	58.05	67.73	77.40
Summersville district	41,791	52.24	60.95	69.65
Wilderness district	44,833	56.04	65.38	74.72
Ohio	40,569	50.71	59.16	67.62
District 1	47,810	59.76	69.72	79.68
District 2	32,878	41.10	47.95	54.80
District 3	44,553	55.69	64.97	74.26
Pendleton	36,953	46.19	53.89	61.59
Central district	36,380	45.48	53.05	60.63
Eastern district	41,458	51.82	60.46	69.10
Western district	31,641	39.55	46.14	52.74
Pleasants	44,288	55.36	64.59	73.81
District A	42,727	53.41	62.31	71.21
District B	42,239	52.80	61.60	70.40
District C	40,439	50.55	58.97	67.40
District D	54,643	68.30	79.69	91.07
Pocahontas	36,827	46.03	53.71	61.38
Edray district	39,479	49.35	57.57	65.80
Greenbank district	32,569	40.71	47.50	54.28
Huntersville district	32,727	40.91	47.73	54.55
Little Levels district	39,537	49.42	57.66	65.90
Preston	45,064	56.33	65.72	75.11
Fifth district	45,050	56.31	65.70	75.08
First district	44,920	56.15	65.51	74.87
Fourth district	43,295	54.12	63.14	72.16
Second district	51,804	64.76	75.55	86.34
Third district	40,644	50.81	59.27	67.74
Putnam	56,774	70.97	82.80	94.62
Buffalo - Union district	46,288	57.86	67.50	77.15

	Median HH			
County/Magisterial District	Income	1.50%	1.75%	2.00%
Curry district	46,275	57.84	67.48	77.13
Pocatalico district	44,982	56.23	65.60	74.97
Scott district	62,282	77.85	90.83	103.80
Teays district	76,175	95.22	111.09	126.96
Raleigh	41,032	51.29	59.84	68.39
District 1	41,317	51.65	60.25	68.86
District 2	37,351	46.69	54.47	62.25
District 3	44,367	55.46	64.70	73.95
Randolph	39,457	49.32	57.54	65.76
Beverly district	41,200	51.50	60.08	68.67
Dry Fork district	32,614	40.77	47.56	54.36
Huttonsville district	29,545	36.93	43.09	49.24
Leadsville district	40,971	51.21	59.75	68.29
Middle Fork district	37,009	46.26	53.97	61.68
Mingo district	42,736	53.42	62.32	71.23
New Interest district	54,688	68.36	79.75	91.15
Roaring Creek district	36,842	46.05	53.73	61.40
Valley Bend district	38,810	48.51	56.60	64.68
Ritchie	37,636	47.05	54.89	62.73
Clay district	37,153	46.44	54.18	61.92
Grant district	37,333	46.67	54.44	62.22
Murphy district	42,303	52.88	61.69	70.51
Union district	37,171	46.46	54.21	61.95
Roane	31,813	39.77	46.39	53.02
District 1	37,549	46.94	54.76	62.58
District 2	28,727	35.91	41.89	47.88
District 3	32,699	40.87	47.69	54.50
Summers	36,651	45.81	53.45	61.09
Bluestone River district	34,125	42.66	49.77	56.88
Greenbrier River district	37,913	47.39	55.29	63.19
New River district	37,056	46.32	54.04	61.76
Taylor	43,970	54.96	64.12	73.28
Eastern district	38,338	47.92	55.91	63.90
Tygart district	39,833	49.79	58.09	66.39
Western district	55,305	69.13	80.65	92.18
Tucker	40,533	50.67	59.11	67.56
Black Fork district	41,281	51.60	60.20	68.80
Clover district	27,750	34.69	40.47	46.25
Davis district	38,750	48.44	56.51	64.58
Dry Fork district	47,000	58.75	68.54	78.33
Fairfax district	37,344	46.68	54.46	62.24

	Median HH			
County/Magisterial District	Income	1.50%	1.75%	2.00%
Licking district (2014)	8,676	10.85	12.65	14.46
St. George district	27,016	33.77	39.40	45.03
Tyler	38,854	48.57	56.66	64.76
Central district	37,708	47.14	54.99	62.85
North district	41,397	51.75	60.37	69.00
South district	35,294	44.12	51.47	58.82
West district	40,833	51.04	59.55	68.06
Upshur	40,330	50.41	58.81	67.22
First district	37,524	46.91	54.72	62.54
Second district	39,080	48.85	56.99	65.13
Third district	43,613	54.52	63.60	72.69
Wayne	36,318	45.40	52.96	60.53
Butler district	43,936	54.92	64.07	73.23
Ceredo district	36,822	46.03	53.70	61.37
Stonewall district	28,829	36.04	42.04	48.05
Union district	30,814	38.52	44.94	51.36
Westmoreland district	42,880	53.60	62.53	71.47
Webster	29,086	36.36	42.42	48.48
Central district	27,632	34.54	40.30	46.05
Northern district	28,415	35.52	41.44	47.36
Southern district	34,330	42.91	50.06	57.22
Wetzel	39,096	48.87	57.02	65.16
District 1	34,025	42.53	49.62	56.71
District 2	43,036	53.80	62.76	71.73
District 3	40,039	50.05	58.39	66.73
Wirt	39,352	49.19	57.39	65.59
Central district	38,269	47.84	55.81	63.78
Northeast district	36,875	46.09	53.78	61.46
Southwest district	44,375	55.47	64.71	73.96
Wood	41,884	52.36	61.08	69.81
Clay district	47,452	59.32	69.20	79.09
Harris district	38,657	48.32	56.37	64.43
Lubeck district	49,139	61.42	71.66	81.90
Parkersburg district	35,098	43.87	51.18	58.50
Slate district	61,463	76.83	89.63	102.44
Steele district	37,813	47.27	55.14	63.02
Tygart district	30,420	38.03	44.36	50.70
Union district	50,288	62.86	73.34	83.81
Walker district	23,988	29.99	34.98	39.98
Williams district	55,439	69.30	80.85	92.40
Wyoming	33,730	42.16	49.19	56.22

COUNTY & MAGISTERIAL DISTRICTS

	Median HH			
County/Magisterial District	Income	1.50%	1.75%	2.00%
District 1	36,620	45.78	53.40	61.03
District 2	27,009	33.76	39.39	45.02
District 3	34,583	43.23	50.43	57.64

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

	Median HH	Average Bill based		d on % MHI	
MUNICIPALITIES	Income	1.50%	1.75%	2.00%	
Α					
Addison (Webster Springs), town	35,595	44.49	51.91	59.33	
Albright, town	28,438	35.55	41.47	47.40	
Alderson , town	24,643	30.80	35.94	41.07	
Anawalt, town	24,219	30.27	35.32	40.37	
Anmoore, town	26,429	33.04	38.54	44.05	
Ansted, town	41,000	51.25	59.79	68.33	
Athens, town	33,542	41.93	48.92	55.90	
Auburn, town (2014)	17,083	21.35	24.91	28.47	
В					
Bancroft, town	75,278	94.10	109.78	125.46	
Barboursville, village	39,068	48.84	56.97	65.11	
Barrackville, town	47,344	59.18	69.04	78.91	
Bath (Berkeley Springs), town	36,250	45.31	52.86	60.42	
Bayard, town	31,875	39.84	46.48	53.13	
Beckley, city	34,944	43.68	50.96	58.24	
Beech Bottom, village	39,464	49.33	57.55	65.77	
Belington, town	34,438	43.05	50.22	57.40	
Belle, town	44,583	55.73	65.02	74.31	
Belmont, city	39,375	49.22	57.42	65.63	
Benwood, city	29,276	36.60	42.69	48.79	
Bethany, town	56,364	70.46	82.20	93.94	
Bethlehem, village	63,587	79.48	92.73	105.98	
Beverly, town	22,917	28.65	33.42	38.20	
Blacksville, town	46,250	57.81	67.45	77.08	
Bluefield, city	34,972	43.72	51.00	58.29	
Bolivar, town	49,236	61.55	71.80	82.06	
Bradshaw, town	28,750	35.94	41.93	47.92	
Bramwell, town	40,417	50.52	58.94	67.36	
Brandonville, town	64,286	80.36	93.75	107.14	
Bridgeport, city	79,324	99.16	115.68	132.21	
Bruceton Mills, town	45,179	56.47	65.89	75.30	
Buckhannon, city	30,833	38.54	44.96	51.39	
Buffalo, town	37,115	46.39	54.13	61.86	
Burnsville, town	34,000	42.50	49.58	56.67	
С					
Cairo, town	32,500	40.63	47.40	54.17	
Camden-on-Gauley, town	27,500	34.38	40.10	45.83	
Cameron, city	31,250	39.06	45.57	52.08	
Capon Bridge, town	27,500	34.38	40.10	45.83	
Carpendale, town	39,659	49.57	57.84	66.10	
Cedar Grove, town	38,958	48.70	56.81	64.93	
Ceredo, city	41,146	51.43	60.00	68.58	

	Median HH	Average	n % MHI	
MUNICIPALITIES	Income	1.50%	1.75%	2.00%
Chapmanville, town	34,469	43.09	50.27	57.45
Charleston, city	48,442	60.55	70.64	80.74
Charles Town, city	59,483	74.35	86.75	99.14
Chesapeake, town	40,286	50.36	58.75	67.14
Chester, city	34,508	43.14	50.32	57.51
Clarksburg, city	37,036	46.30	54.01	61.73
Clay, town	24,073	30.09	35.11	40.12
Clearview, village	60,625	75.78	88.41	101.04
Clendenin, town	42,461	53.08	61.92	70.77
Cowen, town	35,240	44.05	51.39	58.73
D				
Danville, town	26,875	33.59	39.19	44.79
Davis, town	36,250	45.31	52.86	60.42
Davy, town	23,667	29.58	34.51	39.45
Delbarton, town	30,833	38.54	44.96	51.39
Dunbar, city	41,287	51.61	60.21	68.81
Durbin, town	31,477	39.35	45.90	52.46
E				
East Bank, town	52,083	65.10	75.95	86.81
Eleanor, town	51,414	64.27	74.98	85.69
Elizabeth, town	31,691	39.61	46.22	52.82
Elk Garden, town	17,813	22.27	25.98	
Elkins, city	38,214	47.77	55.73	63.69
Ellenboro, town	35,694	44.62	52.05	59.49
F				
Fairmont, city	36,086	45.11	52.63	60.14
Fairview, town	34,583	43.23	50.43	57.64
Falling Spring, town	55,000	68.75	80.21	91.67
Farmington, town	46,518	58.15	67.84	77.53
Fayetteville, town	36,429	45.54	53.13	60.72
Flatwoods, town	30,625	38.28	44.66	51.04
Flemington, town	30,417	38.02	44.36	50.70
Follansbee, city	51,144	63.93	74.59	
Fort Gay, town	12,454	15.57	18.16	
Franklin, town	42,361	52.95	61.78	
Friendly, town	23,929	29.91	34.90	39.88
G	,			
Gary, city	31,667	39.58	46.18	52.78
Gassaway, town	34,375	42.97	50.13	
Gauley Bridge, town	37,344	46.68	54.46	
Gilbert, town	43,333	54.17	63.19	72.22
Glasgow, town	41,648	52.06	60.74	69.41
Glen Dale, city	52,262	65.33	76.22	87.10

	Median HH	H Average Bill based on		n % MHI
MUNICIPALITIES	Income	1.50%	1.75%	2.00%
Glenville, town	30,474	38.09	44.44	50.79
Grafton, city	34,844	43.56	50.81	58.07
Grantsville, town	28,646	35.81	41.78	47.74
Grant Town, town	33,750	42.19	49.22	56.25
Granville, town	32,242	40.30	47.02	53.74
Н				
Hambleton, town	26,250	32.81	38.28	43.75
Hamlin, town	36,250	45.31	52.86	60.42
Handley, town	35,250	44.06	51.41	58.75
Harman, town	28,750	35.94	41.93	47.92
Harpers Ferry, town	65,714	82.14	95.83	109.52
Harrisville, town	40,900	51.13	59.65	68.17
Hartford City, town	33,625	42.03	49.04	56.04
Hedgesville, town	55,938	69.92	81.58	93.23
Henderson, town	25,250	31.56	36.82	42.08
Hendricks, town	45,000	56.25	65.63	75.00
Hillsboro, town	27,614	34.52	40.27	46.02
Hinton, city	31,019	38.77	45.24	51.70
Hundred, town	32,778	40.97	47.80	54.63
Huntington, city	29,873	37.34	43.56	49.79
Hurricane, city	52,347	65.43	76.34	87.25
Huttonsville, town	27,396	34.25	39.95	45.66
ı				
laeger, town	20,313	25.39	29.62	33.86
J	,			
Jane Lew, town	34,464	43.08	50.26	57.44
Junior, town	32,222	40.28	46.99	53.70
K				
Kenova, city	32,140	40.18	46.87	53.57
Kermit, town	48,333	60.42	70.49	80.56
Keyser, city	24,450	30.56	35.66	40.75
Keystone, city	22,125	27.66	32.27	36.88
Kimball, town	38,250	47.81	55.78	63.75
Kingwood, city	44,886	56.11	65.46	74.81
L				
Leon, town	31,786	39.73	46.35	52.98
Lester, town	43,750	54.69	63.80	72.92
Lewisburg, city	49,904	62.38	72.78	83.17
Logan, city	29,712	37.14	43.33	49.52
Lost Creek, town	53,250	66.56	77.66	88.75
Lumberport, town	38,750	48.44	56.51	64.58
M				
Mabscott, town	54,856	68.57	80.00	91.43

Madison, city 46,559 58.20 67.90 77.60 Man, town 55,250 69.06 80.57 92.08 Mannington, city 43,750 54.69 63.80 72.92 Marlinton, town 28,633 35.79 41.76 47.72 Marmet, city 36,382 45.48 53.06 60.64 Martinsburg, city 37,843 47.30 55.19 63.07 Mason, town 33,859 42.32 49.38 56.43 Masontown, town 46,488 58.11 67.80 77.48 Matewan, town 14,135 17.67 20.61 23.56 Matokak, town 26,875 33.59 39.19 44.79 Meadow Bridge, town 31,250 39.06 45.57 52.08 Midlebourne, town 31,250 39.06 45.57 52.08 Mill Creek, town 29,702 37.13 43.32 49.50 Milton, town 35,500 44.38 51.77 59.17 Mitchell Heights, town 64,583 80.73 94.18 107.64		Median HH	Average Bill based on % N		
Madison, city 46,559 58.20 67.90 77.60 Man, town 55,250 69.06 80.57 92.08 Mannington, city 43,750 54.69 63.80 72.92 Marlinton, town 28,633 35.79 41.76 47.72 Marmet, city 36,382 45.48 53.06 60.64 Martinsburg, city 37,843 47.30 55.19 63.07 Mason, town 33,859 42.32 49.38 56.43 Masontown, town 46,488 58.11 67.80 77.48 Matewan, town 14,135 17.67 20.61 23.56 Matokak, town 26,875 33.59 39.19 44.79 Meadow Bridge, town 31,250 39.06 45.57 52.08 Midlebourne, town 31,250 39.06 45.57 52.08 Mill Creek, town 29,702 37.13 43.32 49.50 Milton, town 35,500 44.38 51.77 59.17 Mitchell Heights, town 64,583 80.73 94.18 107.64	MUNICIPALITIES	Income	1.50%	1.75%	2.00%
Man, town 55,250 69.06 80.57 92.08 Mannington, city 43,750 54.69 63.80 72.92 Marlinton, town 28,633 35.79 41.76 47.72 Marmet, city 36,382 45.48 53.06 60.64 Martinsburg, city 37,843 47.30 55.19 63.07 Mason, town 33,859 42.32 49.38 56.43 Masontown, town 46,488 58.11 67.80 77.48 Matewan, town 14,135 17.67 20.61 23.56 Matoaka, town 26,875 33.59 39.19 44.79 Meadow Bridge, town 31,250 39.06 45.57 52.08 Mildlebourne, town 31,250 39.06 45.57 52.08 Millton, town 35,500 44.38 51.77 59.17 Milton, town 36,739 45.92 53.58 61.23 Molondgah, town 36,739 45.92 53.58 61.23 Montr	McMechen, city	41,000	51.25	59.79	68.33
Mannington, city 43,750 54.69 63.80 72.92 Marlinton, town 28,633 35.79 41.76 47.72 Marmet, city 36,382 45.48 53.06 60.64 Martinsburg, city 37,843 47.30 55.19 63.07 Mason, town 33,859 42.32 49.38 56.43 Masontown, town 46,488 58.11 67.80 77.48 Matewan, town 14,135 17.67 20.61 23.56 Matoaka, town 26,875 33.59 39.19 44.79 Meadow Bridge, town 35,192 43.99 51.32 58.65 Midlelbourne, town 31,250 39.06 45.57 52.08 Mill Creek, town 29,702 37.13 43.32 49.50 Mill Creek, town 36,739 45.92 53.58 61.23 Mill Creek, town 36,739 45.92 53.58 61.23 Mill Creek, town 36,739 45.92 53.58 61.23 Mill Creek, town 36,739 45.92 53.58 61.23 <	Madison, city	46,559	58.20	67.90	77.60
Marlinton, town 28,633 35.79 41.76 47.72 Marmet, city 36,382 45.48 53.06 60.64 Martinsburg, city 37,843 47.30 55.19 63.07 Mason, town 33,859 42.32 49.38 56.43 Masontown, town 46,488 58.11 67.80 77.48 Matewan, town 14,135 17.67 20.61 23.56 Matoaka, town 26,875 33.59 39.19 44.79 Meadow Bridge, town 35,192 43.99 51.32 58.65 Midldebourne, town 31,250 39.06 45.57 52.08 Mill Creek, town 29,702 37.13 43.32 49.28 Mill Creek, town 35,500 44.38 51.77 59.17 Mitchell Heights, town 64,583 80.73 94.18 107.64 Monngah, town 36,739 45.92 53.58 61.23 Montgomery, city 24,716 30.90 36.04 41.19 <tr< td=""><td>Man, town</td><td>55,250</td><td>69.06</td><td>80.57</td><td>92.08</td></tr<>	Man, town	55,250	69.06	80.57	92.08
Marmet, city 36,382 45.48 53.06 60.64 Martinsburg, city 37,843 47.30 55.19 63.07 Mason, town 33,859 42.32 49.38 56.43 Masontown, town 46,488 58.11 67.80 77.48 Matewan, town 14,135 17.67 20.61 23.74 Meadow Bridge, town 26,875 33.59 39.19 44.79 Meadow Bridge, town 35,192 43.99 51.32 58.65 Midllebourne, town 31,250 39.06 45.57 52.08 Mill Creek, town 29,702 37.13 43.32 49.50 Millton, town 35,500 44.38 51.77 59.17 Mitchell Heights, town 64,583 80.73 94.18 107.64 Monngan, town 36,739 45.92 53.58 61.23 Montrose, town 58,125 72.66 84.77 96.88 Moorefield, town 32,775 40.97 47.80 54.63 Morrisore, city 34,090 42.61 49.71 56.82	Mannington, city	43,750	54.69	63.80	72.92
Martinsburg, city 37,843 47.30 55.19 63.07 Mason, town 33,859 42.32 49.38 56.43 Masontown, town 46,488 58.11 67.80 77.48 Matewan, town 14,135 17.67 20.61 23.56 Matoaka, town 26,875 33.59 39.19 44.79 Meadow Bridge, town 35,192 43.99 51.32 48.79 Mildlebourne, town 31,250 39.06 45.57 52.08 Mill Creek, town 29,702 37.13 43.32 49.50 Milton, town 35,500 44.38 51.77 59.17 Mitchell Heights, town 64,583 80.73 94.18 107.64 Monongah, town 36,739 45.92 53.58 61.23 Montgomery, city 24,716 30.90 36.04 41.19 Montrose, town 58,125 72.66 84.77 96.88 Moorgantown, city 34,090 42.61 49.71 56.82 Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 Mew Ly 43,942 54.93 64.08 73.2	Marlinton, town	28,633	35.79	41.76	47.72
Mason, town 33,859 42.32 49.38 56.43 Masontown, town 46,488 58.11 67.80 77.48 Matewan, town 14,135 17.67 20.61 23.56 Matoaka, town 26,875 33.59 39.19 44.79 Meadow Bridge, town 35,192 43.99 51.32 58.65 Midlebourne, town 31,250 39.06 45.57 52.08 Mill Creek, town 29,702 37.13 43.32 49.50 Milton, town 35,500 44.38 51.77 59.17 Mitchell Heights, town 64,583 80.73 94.18 107.64 Monongah, town 36,739 45.92 53.58 61.23 Montgomery, city 24,716 30.90 36.04 41.19 Montrose, town 58,125 72.66 84.77 96.88 Moorefield, town 32,775 40.97 47.80 54.63 Morgantown, city 34,090 42.61 49.71 56.82 Mountsville, city 34,628 43.29 50.50 57.71	Marmet, city	36,382	45.48	53.06	60.64
Masontown, town 46,488 58.11 67.80 77.48 Matewan, town 14,135 17.67 20.61 23.56 Matoaka, town 26,875 33.59 39.19 44.79 Meadow Bridge, town 35,192 43.99 51.32 58.65 Middlebourne, town 31,250 39.06 45.57 52.08 Mill Creek, town 29,702 37.13 43.32 49.50 Milton, town 35,500 44.38 51.77 59.17 Mitchell Heights, town 64,583 80.73 94.18 107.64 Monongah, town 36,739 45.92 53.58 61.23 Montgomery, city 24,716 30.90 36.04 41.19 Montrose, town 58,125 72.66 84.77 96.88 Moorefield, town 32,775 40.97 47.80 54.63 Morrandown, city 34,090 42.61 49.71 56.82 Moundsville, city 34,628 43.29 50.50 57.71	Martinsburg, city	37,843	47.30	55.19	63.07
Masontown, town 46,488 58.11 67.80 77.48 Matewan, town 14,135 17.67 20.61 23.56 Matoaka, town 26,875 33.59 39.19 44.79 Meadow Bridge, town 35,192 43.99 51.32 58.65 Middlebourne, town 31,250 39.06 45.57 52.08 Mill Creek, town 29,702 37.13 43.32 49.50 Milton, town 35,500 44.38 51.77 59.17 Mitchell Heights, town 64,583 80.73 94.18 107.64 Monongah, town 36,739 45.92 53.58 61.23 Montgomery, city 24,716 30.90 36.04 41.19 Montrose, town 58,125 72.66 84.77 96.88 Moorefield, town 32,775 40.97 47.80 54.63 Morgantown, city 34,090 42.61 49.71 56.82 Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 </td <td></td> <td>33,859</td> <td>42.32</td> <td>49.38</td> <td>56.43</td>		33,859	42.32	49.38	56.43
Matoaka, town 26,875 33.59 39.19 44.79 Meadow Bridge, town 35,192 43.99 51.32 58.65 Middlebourne, town 31,250 39.06 45.57 52.08 Mill Creek, town 29,702 37.13 43.32 49.50 Milton, town 35,500 44.38 51.77 59.17 Mitchell Heights, town 64,583 80.73 94.18 107.64 Monnogah, town 36,739 45.92 53.58 61.23 Montgomery, city 24,716 30.90 36.04 41.19 Montrose, town 58,125 72.66 84.77 96.88 Moorefield, town 32,775 40.97 47.80 54.63 Morgantown, city 34,090 42.61 49.71 56.82 Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 Mullens, city 43,942 54.93 64.08 73.24 New Haven, town 36,750 45.94 53.59 66.73 </td <td></td> <td>46,488</td> <td>58.11</td> <td>67.80</td> <td>77.48</td>		46,488	58.11	67.80	77.48
Meadow Bridge, town 35,192 43.99 51.32 58.65 Middlebourne, town 31,250 39.06 45.57 52.08 Mill Creek, town 29,702 37.13 43.32 49.50 Milton, town 35,500 44.38 51.77 59.17 Mitchell Heights, town 64,583 80.73 94.18 107.64 Monongah, town 36,739 45.92 53.58 61.23 Montgomery, city 24,716 30.90 36.04 41.19 Montgomery, city 24,716 30.90 36.04 41.19 Monrese, town 58,125 72.66 84.77 96.88 Moorefield, town 32,775 40.97 47.80 54.63 Morgantown, city 34,090 42.61 49.71 56.82 Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 Mullens, city 43,942 54.93 64.08 73.24 New Larrence 40,875 58.59 68.36 78.13 <td>Matewan, town</td> <td>14,135</td> <td>17.67</td> <td>20.61</td> <td>23.56</td>	Matewan, town	14,135	17.67	20.61	23.56
Middlebourne, town 31,250 39.06 45.57 52.08 Mill Creek, town 29,702 37.13 43.32 49.50 Milton, town 35,500 44.38 51.77 59.17 Mitchell Heights, town 64,583 80.73 94.18 107.64 Monongah, town 36,739 45.92 53.58 61.23 Montgomery, city 24,716 30.90 36.04 41.19 Montrose, town 58,125 72.66 84.77 96.88 Moorefield, town 32,775 40.97 47.80 54.63 Morgantown, city 34,090 42.61 49.71 56.82 Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 Mullens, city 43,942 54.93 64.08 73.24 New Cumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 </td <td>Matoaka, town</td> <td>26,875</td> <td>33.59</td> <td>39.19</td> <td>44.79</td>	Matoaka, town	26,875	33.59	39.19	44.79
Mill Creek, town 29,702 37.13 43.32 49.50 Milton, town 35,500 44.38 51.77 59.17 Mitchell Heights, town 64,583 80.73 94.18 107.64 Monongah, town 36,739 45.92 53.58 61.23 Montgomery, city 24,716 30.90 36.04 41.19 Montrose, town 58,125 72.66 84.77 96.88 Moorefield, town 32,775 40.97 47.80 54.63 Morgantown, city 34,090 42.61 49.71 56.82 Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 Mullens, city 43,942 54.93 64.08 73.24 New Cumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 North fork, town 31,786 39.73 46.35 52.98 <td>Meadow Bridge, town</td> <td>35,192</td> <td>43.99</td> <td>51.32</td> <td>58.65</td>	Meadow Bridge, town	35,192	43.99	51.32	58.65
Milton, town 35,500 44.38 51.77 59.17 Mitchell Heights, town 64,583 80.73 94.18 107.64 Monongah, town 36,739 45.92 53.58 61.23 Montgomery, city 24,716 30.90 36.04 41.19 Montrose, town 58,125 72.66 84.77 96.88 Moorefield, town 32,775 40.97 47.80 54.63 Morgantown, city 34,090 42.61 49.71 56.82 Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 Mullens, city 43,942 54.93 64.08 73.24 New Lumber, city 46,875 58.59 68.36 78.13 New Laven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91	Middlebourne, town	31,250	39.06	45.57	52.08
Mitchell Heights, town 64,583 80.73 94.18 107.64 Monongah, town 36,739 45.92 53.58 61.23 Montgomery, city 24,716 30.90 36.04 41.19 Montrose, town 58,125 72.66 84.77 96.88 Moorefield, town 32,775 40.97 47.80 54.63 Morgantown, city 34,090 42.61 49.71 56.82 Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 Mullens, city 43,942 54.93 64.08 73.24 New Lumber, city 25,045 31.31 36.52 41.74 New Lumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 66.73 Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91	Mill Creek, town	29,702	37.13	43.32	49.50
Monongah, town 36,739 45.92 53.58 61.23 Montgomery, city 24,716 30.90 36.04 41.19 Montrose, town 58,125 72.66 84.77 96.88 Moorefield, town 32,775 40.97 47.80 54.63 Morgantown, city 34,090 42.61 49.71 56.82 Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 Mullens, city 43,942 54.93 64.08 73.24 New burg, town 46,875 58.59 68.36 78.13 New Cumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 <	Milton, town	35,500	44.38	51.77	59.17
Monongah, town 36,739 45.92 53.58 61.23 Montgomery, city 24,716 30.90 36.04 41.19 Montrose, town 58,125 72.66 84.77 96.88 Moorefield, town 32,775 40.97 47.80 54.63 Morgantown, city 34,090 42.61 49.71 56.82 Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 Mullens, city 43,942 54.93 64.08 73.24 New burg, town 46,875 58.59 68.36 78.13 New Cumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 <	Mitchell Heights, town	64,583	80.73	94.18	107.64
Montrose, town 58,125 72.66 84.77 96.88 Moorefield, town 32,775 40.97 47.80 54.63 Morgantown, city 34,090 42.61 49.71 56.82 Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 Mullens, city 43,942 54.93 64.08 73.24 New burg, town 46,875 58.59 68.36 78.13 New Cumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 39,316 49.15 57.34 65.53 <tr< td=""><td></td><td>36,739</td><td>45.92</td><td>53.58</td><td>61.23</td></tr<>		36,739	45.92	53.58	61.23
Moorefield, town 32,775 40.97 47.80 54.63 Morgantown, city 34,090 42.61 49.71 56.82 Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 Mullens, city 43,942 54.93 64.08 73.24 New burg, town 46,875 58.59 68.36 78.13 New Cumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 0 0 0 0 Oak Hill, city 39,316 49.15 57.34 65.53 Oakya	Montgomery, city	24,716	30.90	36.04	41.19
Moorefield, town 32,775 40.97 47.80 54.63 Morgantown, city 34,090 42.61 49.71 56.82 Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 Mullens, city 43,942 54.93 64.08 73.24 New burg, town 46,875 58.59 68.36 78.13 New Cumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 39,316 49.15 57.34 65.53 Oak Hill, city 39,316 49.15 57.34 65.53 <tr< td=""><td>Montrose, town</td><td>58,125</td><td>72.66</td><td>84.77</td><td>96.88</td></tr<>	Montrose, town	58,125	72.66	84.77	96.88
Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 Mullens, city 43,942 54.93 64.08 73.24 New Description 46,875 58.59 68.36 78.13 New Cumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 0 0 0 0 Oak Hill, city 39,316 49.15 57.34 65.53 Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P <td>Moorefield, town</td> <td></td> <td>40.97</td> <td>47.80</td> <td>54.63</td>	Moorefield, town		40.97	47.80	54.63
Moundsville, city 34,628 43.29 50.50 57.71 Mount Hope, city 21,218 26.52 30.94 35.36 Mullens, city 43,942 54.93 64.08 73.24 New Description 46,875 58.59 68.36 78.13 New Cumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 0 0 0 0 Oak Hill, city 39,316 49.15 57.34 65.53 Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P <td>Morgantown, city</td> <td>34,090</td> <td>42.61</td> <td>49.71</td> <td>56.82</td>	Morgantown, city	34,090	42.61	49.71	56.82
Mount Hope, city 21,218 26.52 30.94 35.36 Mullens, city 43,942 54.93 64.08 73.24 N 73.24 New burg, town 46,875 58.59 68.36 78.13 New Cumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 0 Oak Hill, city 39,316 49.15 57.34 65.53 Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P 29,125 36.41 42.47 48.54		34,628	43.29	50.50	57.71
N Newburg, town 46,875 58.59 68.36 78.13 New Cumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 39,316 49.15 57.34 65.53 Oak Hill, city 39,316 49.15 57.34 65.53 Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P 57.34 52.35 59.83	Mount Hope, city	21,218	26.52	30.94	35.36
N Newburg, town 46,875 58.59 68.36 78.13 New Cumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 39,316 49.15 57.34 65.53 Oak Hill, city 39,316 49.15 57.34 65.53 Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P 57.34 52.35 59.83	Mullens, city	43,942	54.93	64.08	73.24
New Cumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 39,316 49.15 57.34 65.53 Oak Hill, city 39,316 49.15 57.34 65.53 Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P 29,125 36.41 42.47 48.54 P 35,898 44.87 52.35 59.83					
New Cumberland, city 25,045 31.31 36.52 41.74 New Haven, town 36,750 45.94 53.59 61.25 New Martinsville, city 40,039 50.05 58.39 66.73 Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 39,316 49.15 57.34 65.53 Oak Hill, city 39,316 49.15 57.34 65.53 Oceana, town 29,125 36.41 42.47 48.54 P 29,125 36.41 42.47 48.54 P 29,125 35,898 44.87 52.35 59.83	Newburg, town	46,875	58.59	68.36	78.13
New Martinsville, city 40,039 50.05 58.39 66.73 Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 39,316 49.15 57.34 65.53 Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P Paden City, city 35,898 44.87 52.35 59.83	New Cumberland, city	25,045	31.31	36.52	41.74
Nitro, city 43,434 54.29 63.34 72.39 Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 39,316 49.15 57.34 65.53 Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P Paden City, city 35,898 44.87 52.35 59.83	·	36,750	45.94	53.59	61.25
Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 39,316 49.15 57.34 65.53 Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P 29,125 35,898 44.87 52.35 59.83			50.05	58.39	66.73
Northfork, town 31,786 39.73 46.35 52.98 North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 39,316 49.15 57.34 65.53 Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P 35,898 44.87 52.35 59.83	Nitro, city	43,434	54.29	63.34	72.39
North Hills, town 92,344 115.43 134.67 153.91 Nutter Fort, town 39,583 49.48 57.73 65.97 O 39,316 49.15 57.34 65.53 Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P 35,898 44.87 52.35 59.83	Northfork, town	31,786		46.35	52.98
Nutter Fort, town 39,583 49.48 57.73 65.97 O 39,316 49.15 57.34 65.53 Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P Paden City, city 35,898 44.87 52.35 59.83		92,344		134.67	
O 39,316 49.15 57.34 65.53 Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P 35,898 44.87 52.35 59.83	·				65.97
Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P 29,125 35,898 44.87 52.35 59.83	· ·	,			
Oakvale, town (2014) 25,625 32.03 37.37 42.71 Oceana, town 29,125 36.41 42.47 48.54 P 29,125 35,898 44.87 52.35 59.83	Oak Hill, city	39,316	49.15	57.34	65.53
Oceana, town 29,125 36.41 42.47 48.54 P 35,898 44.87 52.35 59.83					42.71
P 35,898 44.87 52.35 59.83	· , ,				48.54
		,			
		35.898	44.87	52.35	59.83
	Parkersburg, city	31,876	39.85	46.49	53.13
					59.08
					49.70
	·				56.04

	Median HH	Average Bill based on % N		
MUNICIPALITIES	Income	1.50%	1.75%	2.00%
Pennsboro, city	29,038	36.30	42.35	48.40
Petersburg, city	31,792	39.74	46.36	52.99
Peterstown, town	34,875	43.59	50.86	58.13
Philippi, city	21,698	27.12	31.64	36.16
Piedmont, town	22,353	27.94	32.60	37.26
Pine Grove, town	19,750	24.69	28.80	32.92
Pineville, town	53,375	66.72	77.84	88.96
Pleasant Valley, city	45,563	56.95	66.45	75.94
Poca, town	49,464	61.83	72.14	82.44
Point Pleasant, city	31,827	39.78	46.41	53.05
Pratt, town	48,472	60.59	70.69	80.79
Princeton, city	30,856	38.57	45.00	51.43
Pullman, town	17,917	22.40	26.13	29.86
Q				
Quinwood, town	24,063	30.08	35.09	40.11
R				
Rainelle, town	25,000	31.25	36.46	41.67
Ranson Town, corporation of	43,464	54.33	63.39	72.44
Ravenswood, city	30,546	38.18	44.55	50.91
Reedsville, town	34,943	43.68	50.96	58.24
Reedy, town	48,438	60.55	70.64	80.73
Rhodell, town	37,813	47.27	55.14	63.02
Richwood, city	27,234	34.04	39.72	45.39
Ridgeley, town	21,389	26.74	31.19	35.65
Ripley, city	31,162	38.95	45.44	51.94
Rivesville, town	41,741	52.18	60.87	69.57
Romney, city	25,925	32.41	37.81	43.21
Ronceverte, city	37,898	47.37	55.27	63.16
Rowlesburg, town	29,766	37.21	43.41	49.61
Rupert, town	30,125	37.66	43.93	50.21
S				
St. Albans, city	44,758	55.95	65.27	74.60
St. Marys, city	42,664	53.33	62.22	71.11
Salem, city	35,438	44.30	51.68	59.06
Sand Fork, town	72,578	90.72	105.84	120.96
Shepherdstown, town	31,583	39.48	46.06	52.64
Shinnston, city	47,039	58.80	68.60	78.40
Sistersville, city	31,042	38.80	45.27	51.74
Smithers, city	28,333	35.42	41.32	47.22
Smithfield, town	20,781	25.98	30.31	34.64
Sophia, town	33,929	42.41	49.48	56.55
South Charleston, city	46,390	57.99	67.65	77.32
Spencer, city	22,453	28.07	32.74	37.42

WEST VIRGINIA MEDIAN HOUSEHOLD INCOME 2015 CENSUS MUNICIPALITIES

	Median HH	Average Bill based on % N		n % MHI
MUNICIPALITIES	Income	1.50%	1.75%	2.00%
Star City, town	40,833	51.04	59.55	68.06
Stonewood, city	45,000	56.25	65.63	75.00
Summersville, town (2012)	34,924	43.66	50.93	58.21
Sutton, town	35,938	44.92	52.41	59.90
Sylvester, town	52,500	65.63	76.56	87.50
Т				
Terra Alta, town	36,513	45.64	53.25	60.86
Thomas, city	33,000	41.25	48.13	55.00
Thurmond, town (2000 again)	23,750	29.69	34.64	39.58
Triadelphia, town	29,063	36.33	42.38	48.44
Tunnelton, town	46,042	57.55	67.14	76.74
U				
Union, town	28,409	35.51	41.43	47.35
V				
Valley Grove, village	35,357	44.20	51.56	58.93
Vienna, city	46,968	58.71	68.50	78.28
W				
War, city	20,625	25.78	30.08	34.38
Wardensville, town	35,000	43.75	51.04	58.33
Wayne, town	17,559	21.95	25.61	29.27
Weirton, city	39,832	49.79	58.09	66.39
Welch, city	28,112	35.14	41.00	46.85
Wellsburg, city	31,288	39.11	45.63	52.15
West Hamilin, town	16,094	20.12	23.47	26.82
West Liberty, town (2014)	21,250	26.56	30.99	35.42
West Logan, town	40,750	50.94	59.43	67.92
West Milford, town	48,125	60.16	70.18	80.21
Weston, city	31,776	39.72	46.34	52.96
Westover, city	35,792	44.74	52.20	59.65
West Union, town	30,583	38.23	44.60	50.97
Wheeling, city	36,989	46.24	53.94	61.65
White Hall, town	63,333	79.17	92.36	105.56
White Sulphur Springs, city	30,363	37.95	44.28	50.61
Whitesville, town	24,375	30.47	35.55	40.63
Williamson, city	33,872	42.34	49.40	56.45
Williamstown, city	49,890	62.36	72.76	83.15
Windsor Heights, village	41,607	52.01	60.68	69.35
Winfield, town	56,300	70.38	82.10	93.83
Womelsdorf (Coalton), town	47,222	59.03	68.87	78.70
Worthington, town	26,875	33.59	39.19	44.79

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 (for EPA use only)

Cumulative Sources as of December 31, 2020

Capitalization Grants (32) State Matches (actual) Repayments (P + I; 212 + 319) Investment Earnings	\$ \$ \$	734,078,586 134,620,873 537,927,898 55,457,490	
Sources sub-total (a)			\$ 1,462,084,847
Cumulative Uses as of December 31, 2020			
Loan Assistance (212+319)	\$	1,374,487,271	
DEP Administration (4%)	\$	14,143,540	
Uses sub-total (b)			\$ 1,388,630,811
FY2022 Sources of Funds			
Available funds from prior IUPs (a - b)	\$	73,454,036	
Capitalization Grant #33 (FFY2021 Funds)	\$	24,769,000	
State Match (estimate)	\$	4,953,800	
Earnings (estimate)	\$	2,133,782	
Repayments (estimate)	\$	39,487,557	
Sources of Funds (c)	<u> </u>		\$ 144,798,175
Less			
Appendix C Projects	\$	133,503,000	
Loan Closings Between 12/31/2020 - 6/30/21	\$	11,589,000	
AgWQLP Reserves	\$	150,000	
OSLP Reserve	\$	300,000	
Total			\$ 145,542,000

APPENDIX G

POSSIBLE GREEN TECHNOLOGY PROJECTS

CLEAN WATER STATE REVOLVING FUND

"Green" Infrastructure Project Solicitation for FY2022 IUP

Project	Category	Description	Total Project Cost Estimate
Auburn, Town of	decentralized sewer system	Decentralized individual treatment units	\$2,714,725
Beckley Sanitary Board (Dry Hill)	storm water	Green technology to improve a portion of the storm water system	\$2,669,758
Beckley Sanitary Board (Pinecrest)	storm water	Green technology to improve a portion of the storm water system	\$4,223,000
Beckley Sanitary Board (Railtrail)	storm water	Innovative green technology - Continuous Monitoring and Adaptive Control System	\$219,500
Big Bend PSD	decentralized sewer system	Replacement of wwtp and rehabilitation of another wwtp	\$1,710,500
Bradshaw, Town of	energy efficiency	Replacement of Vacuum Sewer system with Gravity system	\$6,208,000
Fort Gay, Town of	energy efficiency	Treatment plant rehabilitation	\$4,640,000
McDowell Co. PSD - laeger	decentralized sewer system	Decentralized system for unsewered area	\$7,900,000
Mount Zion PSD	decentralized sewer system	Treatment plant replacement	\$2,780,000
Page Kincaid PSD	decentralized sewer system	Decentralized system for unsewered area	\$3,000,000
Parkersburg Utility Board	energy efficiency	SSO abatement project	\$16,130,000
Pea Ridge PSD (Holiday Park)	decentralized sewer system	Decentralized Wastewater Treatment Plant	\$2,345,000
Pea Ridge PSD (R2P2)	energy efficiency	Decommision of Barboursville plant and WWTP expansion	\$36,500,000
Walton PSD	decentralized sewer system	WWTP and collection system	\$6,532,660
West Fork Cooperative	decentralized sewer system	STEG/STEP system	\$4,018,380
		TOTAL	\$101,591,523

APPENDIX H

UNEMPLOYMENT DATA

Labor Force Data by County 2020

County	Percentage
Barbour	8.3
Berkeley	6.2
Boone	10.5
Braxton	10.3
Brooke	9.0
Cabell	8.0
Calhoun	16.1
Clay	12.5
Doddridge	6.3
Fayette	10.0
Gilmer	10.0
Grant	6.5
Greenbrier	8.1
Hampshire	5.5
Hancock	10.0
Hardy	7.2
Harrison	7.9
Jackson	8.6
Jefferson	5.9
Kanawha	8.9
Lewis	10.9
Lincoln	10.0
Logan	12.2
McDowell	8.7
Marion	9.9
Marshall	8.5
Mason	12.6
Mercer	9.4
Mineral	7.6
Mingo	14.3
Monongalia	6.3
Monroe	7.1
Morgan	6.0
Nicholas	10.3
Ohio	8.4
Pendleton	4.9
Pleasants	11.1
Pocahontas	9.3
Preston	7.3
Putnam	7.4
Raleigh	8.9
Randolph	9.2
Ritchie	8.4
Roane	12.4
Summers	7.8
Taylor	7.4
Tucker	8.5
Tyler	10.3
Upshur	9.6
Wayne	8.4
Webster	9.4
Wetzel	9.8
Wirt	10.7
Wood	8.8
Wyoming	10.5
WV	8.3

Source: from www.workforcewv.org

APPENDIX I

POPULATION DATA

Population Data

	2015	2019		% Change
County	Estimate	Estimate	delta	*red reflects negative
Barbour	16,731	16,633	98	0.59
Berkeley	108,724	115,329	6,605	6.08
Boone	24,000	22,368	1,632	6.80
Braxton	14,466	14,190	276	1.91
	23,665	22,459	1,206	5.10
Brooke				
Cabell	96,824	94,339	2,485	2.57
Calhoun	7,557	7,295	262	3.47
Clay	9,141	8,709	432	4.73
Doddridge	8,201	8,560	359	4.38
Fayette	45,534	43,576	1,958	4.30
Gilmer	8,644	8,041	603	6.98
Grant	11,815	11,616	199	1.68
Greenbrier	35,666	35,155	511	1.43
Hampshire	23,542	23,309	233	0.99
Hancock	30,201	29,383	818	2.71
Hardy	13,936	13,805	131	0.94
Harrison	68,998	67,908	1,090	1.58
Jackson	29,256	28,907	349	1.19
Jefferson	55,214	56,506	1,292	2.34
Kanawha	190,781	183,279	7,502	3.93
Lewis	16,434	16,166	268	1.63
Lincoln	21,560	20,850	710	3.29
Logan	35,760	33,154	2,606	7.29
McDowell	20,802	18,661	2,141	10.29
Marion	56,790	56,355	435	0.77
Marshall	32,480	31,308	1,172	3.61
Mason	27,177	26,820	357	1.31
Mercer	61,891	59,919	1,972	3.19
Mineral	27,755	27,167	588	2.12
Mingo	25,931	24,290	1,641	6.33
Monongalia	101,668	105,474	3,806	3.74
Monroe	13,525	13,401	124	0.92
Morgan	17,475	17,709	234	1.34
Nicholas	25,930	25,078	852	3.29
Ohio	43,637	42,143	1,494	3.42
Pendleton	7,402	7,001	401	5.42
Pleasants	7,636	7,482	154	2.02
Pocahontas	8,697	8,450		2.84
Preston	33,809	33,683	126	0.37
Putnam	56,596	56,610	14	0.02
Raleigh	78,493	75,252	3,241	4.13
Randolph	29,365	28,930	435	1.48
Ritchie	10,140	9,844	296	2.92
Roane	14,636	14,020	616	4.21
Summers	13,544	12,848	696	5.14
Taylor	16,977	16,864	113	0.67
Tucker	6,972	6,982	10	0.14
	9,033	8,811	222	2.46
Tyler	24,560	24,502	58	0.24
Upshur				
Wayne	41,499	40,303	1,196	2.88
Webster	8,927	8,386	541	6.06
Wetzel	16,157	15,436	721	4.46
Wirt	5,841	5,798	43	0.74
Wood	86,559	84,960	1,599	1.85
Wyoming	22,866	21,281	1,585	6.93

Source:https://data.census.gov/cedsci/table?text=population&g=0400000US54,54.050000&tid=ACSDT5Y2019.B01003&moe=false&tp=true&hidePreview=true