

**July 1, 2022 – June 30, 2023**  
**INTENDED USE PLAN**  
**For the**  
**WEST VIRGINIA DRINKING WATER**  
**STATE REVOLVING FUND**

**State of West Virginia**

**Department of Health and Human Resources**  
**Bureau for Public Health**  
**Office of Environmental Health Services**  
**Environmental Engineering Division**

**July 2022**

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## **July 1, 2022 – June 30, 2023 Intended Use Plan**

### **I. INTRODUCTION**

The Safe Drinking Water Act (SDWA) amendments of 1996 authorized a Drinking Water State Revolving Fund (DWSRF) program to assist public water systems in financing the cost of the infrastructure needed to achieve or maintain compliance with SDWA requirements and protect public health. This Intended Use Plan (IUP) details the intended use for the State Fiscal Year 2023 (FFY 2022) Capitalization Grant funds totaling \$7,008,000 and will require a 20% state match of \$1,401,600. The available State Program Cash Match is \$647,500. The IUP also details the intended use for the State Fiscal Year 2022 (FFY 2022) Bipartisan Infrastructure Law (BIL) funds totaling \$17,992,000 for DWSRF Supplemental funds with a 10% state match of \$1,799,200, \$28,350,000 for DWSRF Lead Service Line Replacement funds with no state match requirement, and \$7,555,000 for DWSRF Emerging Contaminants funds with no state match requirement.

The West Virginia Infrastructure and Jobs Development Council (Infrastructure Council) committed the funds for the required 20% annual Capitalization grant match and the 10% DWSRF Supplemental grant at its June 2022 meeting.

From the FFY 2022 Capitalization Grants, \$4,835,520 from the DWSRF base grant, \$15,798,668 from DWSRF Supplemental funds, \$24,572,017 from DWSRF Lead Service Line Replacement funds, \$7,403,900 from DWSRF Emerging Contaminants funds (along with the state match, projected earned interest, loan repayments and In-Kind reimbursements) shall be used to construct projects. These funds are the Drinking Water Treatment Revolving Fund (DWTRF). The 2% Technical Assistance is used to contract a Continuing Education Training program for water operator training and certification. The 4% Administration funding is used to manage the DWTRF program. The 10% Program Management funding is used for enhancing the Public Water Supply Supervision Program (PWSS). The 15% Local Assistance funding is used in implementing the required state Source Water Protection Program, assessing, and assisting in the technical, managerial, and financial capacity of small systems. Projects will be added to the IUP from the PPL in priority order, subject to readiness to proceed.

### **II. PROJECTS**

#### **A. Project Funding Requirements**

Approval from the Infrastructure Council is required for any project to receive DWTRF assistance. The Infrastructure Council, with recommendations from its Water Technical Review and Funding Committee, must approve all projects. Both of the following requirements must be considered for funding of projects:

- 1) At least 15% of the funds in the DWTRF must go to systems serving less than 10,000 total persons. Federal code allows crediting prior year's excess above the 15% for the annual requirement. Approximately forty-nine percent (49%) of this year's planned funding will go to systems with less than 10,000 population.

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West Virginia legislation authorizes the DWTRF requirement for disadvantaged communities. *“The division of health shall, in accordance with the provisions of the safedrinking water act, establish a program for loan subsidies to disadvantaged communities. Thirty percent of the federal capitalization grants made to this state shall be dedicated to the funding of projects for disadvantaged communities”* (Authority §16-13C-3). This requirement is not a federal requirement. The AWIA allows up to 35% loan subsidy for disadvantaged communities. At least 30% of the cumulative federal funds will be used for disadvantaged communities. The 30% requirement will be calculated on a cumulative basis of awarded grants. One hundred percent (100%) of this year’s planned funding will go to disadvantaged systems.

### **B. Disadvantaged System Criteria**

Communities will be classified as disadvantaged if they meet any one of the criteria listed below.

- Water rates for 3,400 gallons average usage are greater than or equal to 1.25% of community Median Household Income (MHI)
- Community with census tracts that have a poverty rate greater than or equal to 20% (Using the Census Bureau's official poverty measure)
- Communities with 3.4% or greater unemployed population (for 16+ civilian labor force)
- Communities with 11.7% or greater of the population receiving food stamps/SNAP benefits

### **C. The Project Priority List (PPL) Process**

The PPL process uses an application that the water system must complete to be considered for DWTRF funding. This application process has improved the DWTRF program by listing only those systems that are truly interested in using low interest loan funds. This eliminates the need to bypass many projects that are not interested in using the DWTRF low interest loan money.

Each water system that submits a pre-application through the Infrastructure Council, also:

- 1) Has its project scored using DWTRF criteria;
- 2) May be contacted concerning its interest in DWTRF funding; and
- 3) If the water system is interested in DWTRF, they submit a form to be included on the next priority list that is put out for public comment.

Water systems that are the closest to going to bid, (e.g., the project design is complete and a Public Service Commission application, where applicable, has been submitted, etc.) are given top priority when issuing binding commitment letters, thus, some projects which have not received other funding or have not been designed will be bypassed in accordance with the IUP.

In order to fund more projects with DWTRF funds, the PPL may be issued for public comment several times a year so that projects that have been approved by the Infrastructure Council and have been scored and ranked can be given binding letters of commitment sooner. The PPL will include a summary of the health benefits for the project.

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Water systems that have been on the prior PPL but have not received a funding commitment will be added to the new PPL unless we have information that would indicate they no longer wish to obtain DWTRF funding.

Projects requesting DWTRF funding assistance are prioritized using the DWTRF Project Priority Ranking System (Attachment 1). Three categories (public health, regulatory compliance, and affordability) are used to determine project scoring. Project scoring is completed when the projects go through the technical review process at the IJDC. Projects that apply for DWTRF funding are ranked on a PPL and are listed in the Project Priority List/Comprehensive List (Attachment 2). The PPL includes the name of the public water system, description of the project, priority assigned, expected financial terms, size of community served, and whether or not the system is disadvantaged. The highest ranked projects on the PPL are contacted concerning their project status to determine if funding from the DWTRF is appropriate and the project is ready to proceed. The PPL ranking system allows for higher public health ranking for utilities that have multiple violations as reflected in the Enforcement Tracking Tool (ETT). The ranking system allows coordination of projects funded with consideration of the enforcement agency. It is the ultimate responsibility of the water system to inform the DWTRF staff of changes to its readiness to proceed status.

Projects expecting to receive assistance from the FFY 2022 Capitalization Grant Funds are on the Funding List Detailed Description (Attachment 3). Projects that rank lower on the PPL may still receive funding should one or more of the higher ranked projects be bypassed using the bypass procedure described below. Projects on the most recent PPL are also eligible to receive funding from previously awarded capitalization grants or repayments.

All projects on the PPL will be designated as equivalency projects unless specifically stated on the PPL as not being an equivalency project. Non-equivalence projects will only be done on an as needed basis.

### **D. Bypass Procedure**

Prior to implementing the bypass procedure, water system projects listed on the PPL will be reviewed to determine their project status as compared to the ready to proceed project awaiting a funding commitment. Based on the review, DWTRF staff will determine whether to bypass the project and select another project for funding commitment consideration. The following provisions will be used to bypass a project on the PPL:

- 1) Even though the project is for a system with significant non-compliance of the SDWA, it is determined the proposed project will not ensure compliance.
- 2) The project is for a system that would not have operators properly certified to operate and maintain the system by the time the project is to receive funding.
- 3) The project changes significantly in scope and requires re-evaluation of the proposal using the DWTRF ranking system.
- 4) The project is unable to proceed in a timely manner.

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- 5) Other project funding is not committed. Should the bypassed project be within the fundable range, it may be funded at a later date.
- 6) The project costs significantly exceed the anticipated loan amounts. The project scope could be reduced to within the available DWTRF loan amount provided the ranking does not change.
- 7) The system declines the assistance.
- 8) The project is not determined as technically and financially feasible by the Infrastructure Council.
- 9) The project is unable to meet the schedule developed and agreed upon by the project sponsor and the DWTRF staff.
- 10) A lower ranked project attains a higher rating due to revised information, such as an environmental or public health emergency.
- 11) The water system is not considered as having the managerial, financial, and technical capacity, even after project completion, based upon a Capacity Development Assessment by the Office of Environmental Health Services (OEHS) staff.
- 12) If one or more Green Infrastructure Projects are required to be funded from the Capitalization Grant further down the list in grants that require Green Infrastructure Projects to be funded. For this specific IUP, this is not a grant requirement. OEHS does not have any requirements for Green Infrastructure Projects.

When OEHS bypasses a project, the project will remain on the PPL for consideration at a future time. If the project no longer needs or wants DWTRF funding, it is removed from future PPLs. OEHS will provide technical assistance (as needed) with bypassed projects to assist them in being eligible for the future funding. DWTRF will provide low interest design loans to increase the project pace, where needed.

In cases where a project is bypassed, the next project on the list (not being bypassed) will be funded within the funds available through the criteria outlined in this section. If a funded project comes in under cost, the remaining funds may be used to fund additional project work that can be associated with the project scope; to fund the next project on the PPL (if the cost does not exceed the available funds); or to fund other water system project needs as deemed appropriate by OEHS.

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### **E. Emergency Projects**

Projects to remediate an imminent significant hazard to a community's public health may be considered an "Emergency" project if approved by OEHS. An emergency project may not be required to be on the approved PPL if the evaluation by OEHS verifies the urgency of the project execution to avoid a major impact to the water system's customers. Emergency projects will be able to be assigned to any capitalization grant for available funding. All emergency projects must be reviewed and approved by the Infrastructure Council.

### **F. Loan Terms and Fees**

Eligible public water systems may use the DWTRF assistance to fund the cost of infrastructure needed to achieve or maintain compliance with the SDWA and other drinking water regulations. OEHS proposes to use \$55,810,905 (\$52,610,105 of federal funds and \$3,200,800 statematching funds) to provide loans to public water systems for infrastructure improvements. The DWTRF program interest rates will be below AAA Municipal Yield Market rates.

#### *Interest Rate*

a) The affordability standard for the annual water user rate is set at 1.25% of Median Household Income (MHI) for 3,400 gallon monthly usage as defined by the Infrastructure Council rules unless the project sponsor can clearly show that a magisterial district census income reflects the affordability more appropriately. In this case, the magisterial district census data may be used in place of the county census data. Projects previously reviewed by the Infrastructure Council will be 'grandfathered' for up to three years from the date of the approval by the Infrastructure Council. The DWTRF program will typically use the same data and criteria for median household income and typical residential usage rates as the Infrastructure Council to achieve consistency in affordability and financial evaluations by State funding agencies. If the utility can provide a reasonable justification for use of magisterial district median household incomes, the DWTRF program can use them instead of the county or municipal census data. The threshold of 1.25% may be lower than the rate the Infrastructure Council uses for its determination of disadvantaged rates. Water rates equal to or greater than this affordability standard will be considered disadvantaged communities as well as other criteria as described in Section B.

Principal forgiveness funding assistance will typically be provided in combination with a DWTRF repayment loan for disadvantaged public water systems. Principal forgiveness alone may be provided to water systems for a design loan or for construction if special circumstances occur for the project. The disadvantaged loan interest rates will be 1.0% for systems with rates below 1.99% of MHI and 0.5% for systems with rates at or above 2% of MHI.

The non-disadvantaged water systems will be eligible for terms based upon the 25-Bond Revenue Index. At Binding Commitment Letter issuance, the DWSRF will use the last published rate less 5 basis points (.05) for a 20-year term. At no point will the terms exceed 2.50% interest rate, .25% annual admin fee, 20-year term.



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If DWTRF funding replaces another agency's grant or loan funds on a previously approved Infrastructure Council project, additional subsidization can be provided to maintain the approved level of affordability.

### *Loan Terms*

Terms are given up to 20 years for non-disadvantaged loans and up to 30 years for disadvantaged community water systems loans. A recent change in the federal Water Infrastructure Finance and Innovation Act (WIFIA) now allows the DWTRF program to extend its non-disadvantaged and disadvantaged loan terms by an additional ten years provided the project equipment has a life span at least as long as the loan term. The disadvantaged loan term cannot exceed 40 years.

### *Administrative Fees*

The OEHS administrative fee for projects is 0.25% of the loan amount to be repaid and the fee is paid evenly over the life of the loan. This administrative fee may be adjusted to make the project affordable. Administrative fees for principal forgiveness loans will be waived.

### *Design Loans*

The DWTRF provides design loans to eligible public water systems for projects on the PPL. The purpose of design loans is to make the projects more attractive for outside additional funding and to decrease the time between project design and construction. The loans will be offered at the same terms as those determined for the full project infrastructure improvements as approved at Infrastructure Council or principal forgiveness, if eligible and necessary. Design loan payback will begin within nine months following the design's scheduled completion.

### *Lead Service Line Replacement Loans*

The DWSRF program will provide Lead Service Line Replacement Project loans at 0% interest with no administrative fee for both disadvantaged and non-disadvantaged community water systems. Disadvantaged community water systems will also be eligible for principal forgiveness loans including design loans to complete service line inventories. These projects will be subject to the same loan term lengths as described previously.

### *Graduated Loan Repayment*

The DWTRF loan program can provide graduated loan repayment schedules to make projects more affordable to water systems. In this case, the water system will start repayments following construction completion, but the initial payments will be reduced until one or more existing loans are paid in full. Then, the water system will make accelerated DWTRF payments within the loan period. This will allow a level debt service payment for water systems to make infrastructure projects more affordable. The repayment of loans will still be completed in the same time period of the project's eligibility.

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### **G. Project Selection and Loan Activities**

The PPL was developed from the projects on prior PPLs that did not receive funding commitments and new applications. Project representatives of prior listed projects were contacted to determine if they still desired DWTRF funding. Those projects which indicated they still desired to be considered for funding were kept on the list and any other project recently submitting an application to OEHS or applying for DWTRF funding through the Infrastructure Council was added to the list.

The PPL will be finalized after the public comment period. The Funding List Detailed Description (Attachment 3) describes the projects most likely to be funded from this Capitalization Grant.

### **H. Additional Subsidization**

The base program Capitalization Grant requires that at least 26% (at least 12% must be used for disadvantaged communities per WIFIA) of assistance provided up to a maximum of 35% of the grant is in the form of additional subsidies (principal forgiveness) may be used for disadvantaged communities. OEHS has the authority to offer principal forgiveness loans in an amount up to 100% of a loan made by the State's DWSRF program. The intent of this program is to provide principal forgiveness to those water systems that have significantly higher user rates versus those that may barely meet the disadvantaged criteria. The Funding List Detailed Description includes five projects that are eligible to receive \$1,876,253 in subsidization for disadvantaged water systems for the DWSRF base grant. The 26% amount of the capitalization grant funds is \$1,822,080 so OEHS has a plan to meet the minimum requirement for additional subsidization.

The DWSRF Supplemental Capitalization Grant requires that 49% (\$8,816,080) of the grant in the form of additional subsidies (principal forgiveness) be used for disadvantaged communities. OEHS has the authority to offer principal forgiveness loans in an amount up to 100% of a loan made by the State's DWSRF program. The Funding List Detailed Description includes twelve projects that are eligible to receive \$8,816,080 in subsidization for disadvantaged water systems. The OEHS has a plan to meet the requirement for additional subsidization.

The DWSRF Lead Service Line Replacement Capitalization Grant requires that 49% (\$13,891,500) of the grant in the form of additional subsidies (principal forgiveness) be used for disadvantaged communities. OEHS has the authority to offer principal forgiveness loans in an amount up to 100% of a loan made by the State's DWSRF program. The Funding List Detailed Description includes nine projects that are eligible to receive \$13,891,500 in subsidization for disadvantaged water systems. The OEHS has a plan to meet the requirement for additional subsidization.

The DWSRF Emerging Contaminant Capitalization Grant requires that 100% of the grant construction funds be given in the form of additional subsidies (principal forgiveness). OEHS has the authority to offer principal forgiveness loans in an amount up to 100% of a loan made by the State's DWSRF program. The Funding List Detailed Description includes one project that is eligible to receive \$7,403,900 in subsidization for disadvantaged water systems. This grant requires that at least 25% of the grant be awarded to a disadvantaged community. The OEHS has a plan to meet the requirement for additional subsidization.

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### **I. Green Infrastructure (Green Project Reserve – GPR)**

The Capitalization Grant does not require any of the funds provided for projects to be used for water efficiency, energy efficiency, green infrastructure, or other environmentally innovative activities. OEHS does not have any requirements for green project reserve.

### **J. Davis Bacon Wage Rates (DB)**

The Capitalization Grant requires all loan recipients to pay applicable DB wages for all construction contracts. All loan recipients must also follow all federal Department of Labor DB Wage Rate requirements.

### **K. Asset Management Implementation Effect on Loan Rates**

The DWTRF program has required loan recipients to implement a BPH approved asset management plan (AMP) since 2009 to help ensure sustainability of their water systems by properly managing their assets. As many of these plans have been developed and approved by BPH, we are now assessing the required maintenance and use of the approved plan in subsequent loan applications. For those systems that have maintained and updated their AMP they will be eligible for a reduction of their eligible loan rate by 0.5% on their next project funding. Conversely, those systems who had an approved AMP, but have not maintained the AMP, will be assessed an additional 0.5% above their eligible loan rate on their next project funding. Loan recipients who have not maintained their AMP will be required to update their AMP as part of the funding process for a new loan.

### **L. American Iron and Steel/Build America Buy America Act**

All projects funded by this IUP will follow all the American Iron and Steel and Build America Buy America Act requirements as prescribed by EPA issued documents.

### **M. Disadvantaged Business Enterprise (DBE)**

All projects funded by this IUP will follow all the Disadvantaged Business Enterprise requirements as prescribed by EPA issued documents.

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### **III. FINANCIAL STATUS**

The DWTRF will be managed by OEHS with assistance, through a contract agreement, from the West Virginia Water Development Authority (WDA). The WDA maintains the financial records and ensures bond conditions and audit requirements are met. OEHS manages the DWSRF set-aside funds. The DWTRF program financial status is healthy with a principal and interest repayment stream from loans at \$8,500,000 per year. The Administrative fee from loans has an annual income stream of \$800,000 which would sustain the administrative staff in perpetuity.

#### **A. Total Amount of Funds in the DWSRF (Construction & Set-Asides)**

The amounts available for the DWSRF program are as shown in Tables 1, 2, and 3. Table 4 summarizes all incoming funds through June 2022 and shows the projected disbursed and obligated amounts through 2023.

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**TABLE 1. FUNDS AWARDED PRIOR TO STATE FISCAL YEAR 2023  
(Construction & Set-Asides)**

U.S. Environmental Protection Agency (Total from 1998 through and including 2021)*	\$246,478,782
WV State Match – Infrastructure Council (Total from 1998 through and including 2021)	\$45,382,157
WVDHHR: 10% Set-Aside State Match (Total from 1998 through and including 2021)	\$16,066,600
SUB-TOTAL	\$307,927,539
Loan Repayments (Principal only 2858) as of 12/31/21	\$92,718,311
Admin. Fee plus Fee Investment Interest as of 12/31/21	\$9,322,840
Interest Earnings (WVSTO Reinvestment Income 2858 & 2856) WV DWTRF as of 12/31/21	\$5,259,886
TOTAL	\$415,228,575
* Grant amounts include the in-kind services for the following grants:	
FS-99390003 - \$10,000 for Northbridge Environmental Program Support (4%)	
FS-99390006 - \$134,176 for AWOP/PBT Contractor Support (10%)	
2F-99390009 - \$250,000 for TetraTech Support of ARRA Projects (4%)	
FS-99390010-1 - \$228,679 for TetraTech Support of Projects (4%)	
FS-99390010-1 - \$200,000 for Compliance/Enforcement Contractor Support (10%)	
FS-99390011 - \$224,458 for project administration & Compliance Support (4%)	
FS-99390011 - \$25,542 for Compliance & Enforcement support (10%)	
FS-99390011 - \$100,000 for AWOP/PBT support (15%)	
FS-99390012 - \$125,000 for Project Administration Contractor Support (4%)	
FS-99390012 - \$20,000 for AWOP/PBT Support (15%)	
FS-99390013 - \$175,000 for project administration supports (4%)	
FS-99390014 - \$400,000 for Source Water Protection (15%)	
FS-99390014 - \$200,000 for Capacity and Development (10%)	
FS-99390015 - \$300,000 for Source Water Protection (15%)	
FS-99390015 - \$191,300 for Capacity and Development (15%)	
FS-99390017 - \$74,924 for Source Water Protection (15%)	
FS-99390018 - \$0.00	
FS-99390019 - \$0.00	
FS-99390020 - \$0.00	
FS-99390021 - \$0.00	

**TABLE 2. FUNDS AWARDED DURING STATE FISCAL YEAR 2022  
(Construction & Set-Asides)**

U.S. Environmental Protection Agency (FS-99390021) (Grant)	\$11,100,000
WV State Match - Infrastructure Council (FS-993900021)	\$2,220,000
WVDHHR: 10% Set-Aside State Match (FS-993900021) (Approp)	\$647,500
TOTAL	\$13,967,500

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**TABLE 3. FUNDS REQUESTED DURING STATE FISCAL YEAR 2023  
(Construction & Set-Asides)**

<b>TABLE 3. FUNDS REQUESTED DURING STATE FISCAL YEAR 2023</b>	
U.S. Environmental Protection Agency (FS-99390022) (Grant )	\$7,008,000
WV State Match - Infrastructure Council (FS-993900022)	\$1,401,600
WVDHHR: 10% Set-Aside State Match (FS-993900022) (Approp)	\$647,500
U.S. Environmental Protection Agency (FS-) (Supplemental Grant )	\$17,992,000
WV State Match - Infrastructure Council (FS-) (Supplemental Grant )	\$1,799,200
U.S. Environmental Protection Agency (FS-) (Emerging Contaminant Grant )	\$7,555,000
U.S. Environmental Protection Agency (FS-) ( Lead Service Line Replacement Grant )	\$28,350,000
<b>TOTAL</b>	<b>\$64,753,300</b>

**TABLE 4. SET-ASIDE FUNDS DISBURSED OR PROJECTED THROUGH STATE FISCAL YEAR 2022 & CONSTRUCTION LOANS & COMMITMENTS THROUGH JUNE 2022  
(Construction & Set-Asides)**

(Table 4 “Cumulative Grant Funds Received Thru 6/30/2022” includes the in-kind services for the capitalization grants)

	Cumulative Grant Funds Received Thru 6/30/2021	Additional Funds From FS-99390021*	Minus In-Kind Services	Total Incoming Funds	Cumulative Funds Disbursed as of 12/31/21	Projected Disbursements From Jan '22 Thru June '22	Funds Remaining 6/30/2022
<b>Set-Aside Funds</b>							
Administration (4%)	\$8,532,256	\$444,000	\$1,013,137	\$7,963,119	\$6,900,531	\$200,000	\$862,588
Small Systems Technical Assistance (2%)	\$4,469,931	\$222,000	\$0	\$4,691,931	\$3,977,014	\$200,000	\$514,917
Program Management Federal (10%)	\$20,613,384	\$1,110,000	\$359,718	\$21,363,666	\$18,820,575	\$500,000	\$2,043,091
Program Management State Match (10%)	\$16,621,632	\$647,500	\$0	\$17,269,132	\$15,567,545	\$300,000	\$1,401,587
<b>Total Program Management</b>	<b>\$37,235,016</b>	<b>\$1,757,500</b>	<b>\$359,718</b>	<b>\$38,632,798</b>	<b>\$34,388,120</b>	<b>\$800,000</b>	<b>\$3,444,678</b>
Local Assistance (15%)	\$28,544,780	\$1,665,000	\$1,286,300	\$28,923,480	\$25,088,488	\$800,000	\$3,034,992
<b>Total Set-Aside Funds</b>	<b>\$78,781,983</b>	<b>\$4,088,500</b>	<b>\$2,659,155</b>	<b>\$80,211,328</b>	<b>\$70,354,153</b>	<b>\$2,000,000</b>	<b>\$7,857,175</b>
	Cumulative Construction Funds 6/30/2021	Construction Funds SFY2021 July 1, 2021 to Dec. 31, 2022	Projected Funds from January 2022 to June 2023	Projected Activity in SFY2023	Cumulative Construction Funds 6/30/2021		
Construction Assistance Funds From Cap Grant	\$176,662,507	\$7,659,000	\$0	\$53,842,250	\$238,163,757		
20% & 10% State Match For Cap Grant	\$43,162,157	\$2,220,000	\$0	\$3,201,400	\$48,583,557		
Loan Repayments (Principal Only)	\$87,824,978	\$4,893,333	\$4,415,110	\$8,830,220	\$105,963,641		
Interest On Loans	\$8,935,774	\$387,066	\$400,250	\$860,000	\$10,583,090		
Interest Earnings	\$2,678,798	\$15,777	\$69,376	\$138,752	\$2,902,703		
<b>Total Funds For Loans</b>	<b>\$319,264,214</b>	<b>\$15,175,176</b>		<b>\$66,872,622</b>	<b>\$406,196,748</b>		
Closed Loans	\$277,381,626	\$19,535,140	\$18,110,390	\$57,043,650	\$372,070,806		
Letters of Commitment	\$0	\$0	\$0	\$0	\$0		
Planned Future Letters of Commitment		\$0		\$20,000,000	\$20,000,000		
<b>Total Committed/Planned Funds</b>	<b>\$0</b>	<b>\$0</b>		<b>\$20,000,000</b>	<b>\$20,000,000</b>		
<b>Funds Remaining To Be Committed</b>					<b>\$14,125,942</b>		
	Cumulative Administration Fees Thru 6/30/2021	Administration Fees SFY2022 July 1, 2021 to Dec. 31, 2021	Projected Fees from January 2022 to June 2022	Projected Fees in SFY 2023	Cumulative Administration Fees 6/30/2022		
Administrative Fees on DWTRF Assistance	\$8,935,774	\$387,066	\$400,250	\$860,000	\$10,583,090		
Administrative Fees Withdrawals	\$806,181	\$93,640	\$83,335	\$140,000	\$1,123,155		
Net Administrative Fees	\$8,129,593	\$293,427	\$316,915	\$720,000	\$9,459,935		
<b>Total Program Funds</b>	<b>\$406,175,789</b>	<b>\$19,557,103</b>	<b>\$2,976,070</b>	<b>\$147,803,950</b>	<b>\$486,010,836</b>		<b>\$31,443,052</b>

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**B. Uses of the New Funds (Construction & Set-Asides)**

Below in Table 5 is a summary of the amounts to be used for each activity. Any funds not used for set-aside activities will be used for construction projects. Please note that the DWTRF interest earnings are utilized to supplement the construction funds, specifically for project overruns, as necessary. Planned disbursement of these funds will be included in the payment schedule included in the grant application.

**TABLE 5. USES OF NEW/REQUESTED FUNDS  
(Construction & Set-Asides)**

Sources and Uses of Funds							
Uses of Funds	Federal Funds	Council Grant	Program	Fee/Admin	Earnings	Repayments	Total
Administration	\$419,132	\$0	\$0	\$0	\$0	\$0	\$419,132
Technical Assistance	\$858,260	\$0	\$0	\$0	\$0	\$0	\$858,260
State Program Management	\$2,455,016	\$0	\$647,500	\$0	\$0	\$0	\$3,102,516
Local Assistance	\$4,562,487	\$0	\$0	\$0	\$0	\$0	\$4,562,487
Construction	\$52,610,105	\$3,200,800	\$0	\$0	\$0	\$0	\$55,810,905
Total	\$60,905,000	\$3,200,800	\$647,500	\$0	\$0	\$0	\$64,753,300

Notes to Table 5:

- Administrative Fees, Interest Earnings, and Loan Repayments are included in the grant application.
- There are no plans to transfer funds between the DWTRF and the Clean Water State Revolving Fund.

**C. Types of Projects Funded**

OEHS is proposing to fund twenty-nine projects as described in Attachment 3. These projects include distribution system upgrades, water treatment plant improvements, extensions to new customers, lead service line inventories and lead service line replacements. Projects solely for economic growth or projects solely for fire protection are not eligible for DWTRF assistance.

**D. Project Benefits Reporting (PBR) and National Information Management System (NIMS)**

OEHS will report appropriate information into the PBR and NIMS systems as required by EPA. This IUP will be administered as required by the Operating Agreement between OEHS and EPA.

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**IV. GOALS OF THE DWSRF**

**A. Short Term Goals**

- 1) Increase source water protection for surface water by further developing a surface source water/early warning detection system: River Alert Information Network (RAIN) in the Monongahela River Basin and examine feasibility of duplicating that system into other drainage basins in West Virginia.
- 2) Support the Stream Gaging Network for the purpose of collecting stream flow data that is used to document variations in flow over time for various rivers in West Virginia. These data are used to develop more accurate flow models for future protection area generation and determining more accurate time of travel models for waterborne contaminants.
- 3) Fill vacant staff positions within the WV OEHS, Environmental Engineering Division (EED). There are currently multiple positions vacant throughout the division. These staffing vacancies within the program have resulted in the set aside funds for salaries not being drawn quickly which has resulted in increased ULOs and more than two open grants at a time. Staffing vacancies have been an ongoing problem for the entire BPH and the problem is being addressed by upper level management and the WV Division of Personnel.

**B. Long Term Goals**

- 1) Provide the necessary infrastructure replacement, upgrade, and service with the overall goal of upgrading water quality for existing public water customers and providing water to new customers whose water currently does not comply with the SDWA or is unreliable. The DWTRF has a utilization goal of meeting or exceeding the national average and the average of EPA's Region 3 states by achieving a 2022 fund utilization goal of 95%.
- 2) Develop the DWTRF to ensure the long term perpetuity of the fund where after the initial capitalization years, the loan repayments in the fund will be used to finance additional projects.
- 3) Close the DWTRF loans to recipients within twelve months of a letter of binding commitment.
- 4) Continue implementation of the Capacity Development Strategy including assisting existing public water supplies in acquiring and maintaining the technical, managerial, and financial capacity to comply with the federal SDWA. Provide assistance to ensure that all new community water supplies and new non-transient non-community supplies have the technical, managerial, and financial capacity to comply with current regulations and those regulations likely to be in effect, when the system initiates operations.
- 5) Continue development, enhancement, and improvement of the PWSS through improved methodology and consistency of the sanitary surveys. This includes completion of a full



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complement of staffing in the district offices and implement an automated data collection system for laboratories to forward results to our agency.

- 6) Protect source water from future contamination through Source Water Assessment and Protection (SWAP) and Well Head Protection (WHP) programs.
- 7) Continue to implement an operator training continuing education program focusing on training course/instructor criteria and operator training requirements.
- 8) Continue to strive to minimize unliquidated obligations (ULOs) by expeditiously disbursing both set-aside and construction funds in a timely manner. The goal is to attain a half year or less balance for the 2%, 10% and 15% set-asides at the time a new grant is awarded. Set-aside amounts requested in this IUP are supportive of minimizing ULOs.

**V. SET-ASIDE ACTIVITIES**

In addition to the DWTRF construction fund, there are four “set-aside” or non-project accounts to be administered by OEHS. These separate accounts include Administration of the Loan Program, Technical Assistance, State Program Management, and Local Assistance. In addition to funding for staff expenses, there are also programs being undertaken to improve the health and safety of State water systems. These activities are described in more detail in the associated grant application work plan. The set-aside programs demonstrate compliance with the capacity development authority, capacity development strategy, and operator certification program provisions in order to avoid withholdings.

The different set-aside accounts are specified in the SDWA to enable the State to finance the cost of administering and managing the DWTRF program and supporting local public water systems. These accounts are described in more detail below.

The goals, objectives, methods, outputs, and outcomes for these set-asides are located in the grant work plans.

**A. Administration (\$280,320- DWSRF Base Federal; \$138,812 DWSRF Supplemental)**

The SDWA authorizes the State to use 4% of the Base Capitalization Grant for administration of the DWTRF program or the maximum based on three options listed below. Based on option #3, \$280,320 and \$719,680 is eligible from the grant for the administration set-aside. Only a portion of the supplemental allocation will be requested.

<b>Option #</b>	<b>Description</b>	<b>Calculation</b>	<b>Result</b>
1	\$400,000 Flat Rate	n/a	\$400,000
2	1/5 <sup>th</sup> of one percent of the current total net position of the fund	\$168,148,727 X 0.002	\$336,297
3	4 percent of grant	\$7,008,000 X 0.04 \$17,992,000 X 0.04	\$280,320 \$719,680

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The State plans to use this set-aside for administration of the program. Administrative tasks include but are not limited to:

- 1) Developing legislation regarding issues related to the DWSRF.
- 2) Preparing the Capitalization Grant agreement.
- 3) Developing memorandums of understanding between federal and State agencies.
- 4) Reviewing West Virginia Infrastructure Council applications.
- 5) Preparing the IUP.
- 6) Providing project review, priority ranking procedures, environmental reviews, and required DWTRF project information coordination (project scheduling, advertisements, loan closure).
- 7) Providing project inspections, administration of the funds.
- 8) Tracking and accounting of the funds.
- 9) Auditing of the funds.
- 10) Processing payment requests and managing loan repayments.
- 11) Assisting Compliance & Enforcement staff in providing monitoring.
- 12) Provide grants as available for planning and evaluation of proposed projects.

The DWTRF program will utilize the WDA, which already administers State-funded construction loans to public wastewater and water systems.

The State is requesting a portion of the 4% (\$138,812) of the DWSRF Supplemental federal capitalization grant for administration of the program. The State will use \$138,812 to pay for staff.

The administration set-aside is not being taken for the Lead Service Line Replacement Grant and the Emerging Contaminants Grant.

### **B. State Program Management (\$700,800 – DWSRF Base Federal; \$647,500 - State Match Cash; \$1,378,233 DWSRF Supplemental; \$375,983 DWSRF Lead Service Line Replacement)**

The SDWA authorizes the State to use up to 10% from the federal Capitalization Grant to support the Public Water Supply Supervision (PWSS), Data Information System Management, PWS operator certification and programs. This year no federal funds are requested from the reserve account. It will support the water systems needing to improve their facilities and security through source water grants. The State match is made through State appropriations.

The State is requesting a portion of the 10% set-aside (\$1,378,233) of the DWSRF Supplemental federal capitalization grant. These set-aside funds will be used to supplement the PWSS program and PWS operator certification and programs.

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The State is requesting a portion of the 10% set-aside (\$375,983) of the DWSRF Lead Service Line Replacement federal capitalization grant. These set-aside funds will be used to hire additional lead compliance staff and to purchase a database and mapping software to track lead service line locations.

**C. Technical Assistance (\$140,160 DWSRF Base, \$151,100 DWSRF Emerging Contaminant, \$567,000 Lead Service Line Replacement)**

The SDWA authorizes the State to use up to 2% of each capitalization grant to provide technical assistance to small water systems. The full amount of the 2% is being requested from the DWSRF base grant. Small water systems are defined as those that serve less than 10,000 persons. These set-aside funds will be used for technical, financial, and managerial continuing education training of watersystem operators to meet their certification and training requirements. A contractor, meeting the State requirements, will coordinate the technical assistance program.

The full amount of the 2% (\$151,100) is being requested from the DWSRF Emerging Contaminant grant. These set-aside funds will be used to hire a contractor to provide technical assistance and training on PFAS and other eligible emerging contaminants.

The full amount of the 2% (\$567,000) is being requested from the DWSRF Lead Service Line Replacement grant. These set-aside funds will be used to hire a contractor to provide technical assistance and training on lead education and outreach, inventory plans and non-routine lead sampling.

**D. Local Assistance and Other State Activities (\$1,051,200 DWSRF Base, \$676,287 DWSRF Supplemental, \$2,835,000 DWSRF Lead Service Line Replacement)**

The SDWA authorizes the State to use up to 15% of the federal capitalization grant for this set-aside, but no more than 10% may be used for any one activity. The full \$1,051,200 is being requested for this set-aside from the DWSRF base grant. These set-aside funds will be used for the Capacity Development Program, the Wellhead Protection (WHP) Program and grants, to support the Interstate Commission on the Potomac River Basin (ICPRB), Data Information System Management, improving GIS capabilities, to support the River Alert Information Network (RAIN), an internet website for GIS support, and a stream gauge network for local waters. Working in conjunction with the Compliance and Enforcement Program, the Capacity Development Program and the EED District Office staff will provide support to non-compliant systems not needing infrastructure investment.

The State is requesting a portion of the 15% set-aside (\$676,287) of the DWSRF Supplemental federal capitalization grant. These set-aside funds will be used to supplement the Capacity Development Program and the Wellhead Protection (WHP) Program.

The State is requesting a portion of the 15% set-aside (\$2,835,000) of the Lead Service Line Replacement federal capitalization grant. These set-aside funds will be used to hire a contractor to assist water systems with a population of 1,000 or less in completing service line inventories.

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**VI. PUBLIC COMMENT PROCESS**

The public comment process for this IUP is described in attachment 4

**ATTACHMENT 1**

**DWTRF Project Priority Ranking System**

System: \_\_\_\_\_ County: \_\_\_\_\_ Date \_\_\_\_\_

Project#: \_\_\_\_\_ Project: \_\_\_\_\_

### **DWTRF Project Priority Ranking System**

(1) \_\_\_\_\_ **PUBLIC HEALTH** (0 to 50 points - 50 points maximum)

Up to fifty points may be given to a project for public health. The public health categories are listed below. A project may apply to several categories. In such cases, the project will be given the highest rating.

(A) \_\_\_\_\_ **Projects to correct acute health hazards - (50 points)** Fifty points will be given to projects that propose to eliminate a problem that poses an acute, ongoing health hazard to the consumer. Violations should be included in the Enforcement Tracking Tool (ETT). Examples are listed below.

- Projects that address documented nitrate or nitrite violations.
- Projects that address documented exceedances of primary inorganic MCL's
- Projects that address a problem where a system has significant turbidity violations. The project must ensure compliance to receive DWTRF assistance.
- Projects that address a problem where a system has significant microbiological violations. The project must ensure compliance to receive DWTRF assistance.
- Projects that propose filtration for surface water source that currently do not have filtration.
- Projects that propose disinfection for a system that currently do not have disinfection.
- Projects that address documented or potential water outages for extended periods (1 week or more) due to contamination or system/design deficiencies.

(B) \_\_\_\_\_ **Correct chronic health hazards - (40 points)** Forty points will be given to projects that propose to eliminate a chronic health hazard to the consumer. Examples are listed below.

- Projects that address occasional turbidity violations for a system that has a moderate ETT score.
- Projects that address occasional microbiological violations for a system that has a moderate ETT score.
- Projects that address exceedances of the Lead and Copper Rule.
- Projects that address documented exceedances of primary organic MCL's.

- Projects that address documented exceedances of radiological MCL's.
- Projects that address treatment technologies for the SWTR.
- Projects that address documented or potential water outages (1 to 6 days) due to contamination or system/design deficiencies.
- Projects that enhance source water protection to prevent widespread contamination throughout the distribution system via alternate water sources or additional storage.

(C) \_\_\_\_\_ **Correct periodic health hazards** - (30 points) Thirty points will be awarded to projects that propose to eliminate a documented health hazard which has occurred periodically. Examples are listed below.

- Projects that address low chlorine residuals.
- Projects that address periodic exceedances of a primary MCL.
- Projects that address periodic water outages to some customers for at least a day due to design or system deficiency.
- Projects to bring existing facilities to current design standards which affect water quality: treatment, chemical application, pumping facilities, finished storage and distribution systems.

(D) \_\_\_\_\_ **Correct potential health hazards** - (20 points) Twenty points will be given to projects that propose to eliminate potential health hazards. Examples are listed below.

- Projects for line extensions to areas with poor water quality or limited quantity.
- Projects to develop new source to augment existing sources where there is no other health hazard associated with the project. Dams and reservoirs are not eligible.
- Projects for installation / upgrade of waste disposal facilities.

(E) \_\_\_\_\_ **System Improvements** - (10 points) Ten points will be given to projects that propose general system improvements. Examples are listed below.

- Projects to replace / repair old, undersized, or malfunctioning equipment.
- Projects to replace leaking water line.
- Projects to improve aesthetic quality of the water such as iron, manganese, taste and odor.

(2) \_\_\_\_\_ **REGULATORY COMPLIANCE** (0 to 20 points, 20 points maximum)

(A) \_\_\_\_\_ Correction of chronic non-compliance - 20 points

Compliance with administrative orders, agreements, statutes, or regulatory requirements.

(B) \_\_\_\_\_ Compliance with periodic and potential non-compliance - 10 points

Compliance with sanitary survey recommendations, NPDES permits, new

- regulations, or design standards.
- (C) \_\_\_\_\_ Protection against non-compliance -5 points  
 Compliance with proposed regulations.
- (D) \_\_\_\_\_ Line extensions with documented cases of fecal coliform - 3 points
- (3) \_\_\_\_\_ **AFFORDABILITY** (0 to 30 points) (Based on post-project user rates)

- Rates = 0% to 0.49% MHI (0 points)
- Rates = 0.50% to 0.99% MHI (5 points)
- Rates = 1.00% to 1.24% MHI (10 points)
- Rates = 1.25% to 1.49% MHI (15 points)
- Rates = 1.50% to 1.74% MHI (20 points)
- Rates = 1.75% to 1.99% MHI (25 points)
- Rates  $\geq$  2.0% MHI (30 points)

Note: MHI = median household income by county or municipality as published by the West Virginia Infrastructure and Jobs Development Council (IJDC) at time of approval for funding by IJDC. If the project sponsor can clearly show that a magisterial district census income reflects the affordability more appropriately the magisterial district census data may be used in place of the county census data.  
 Rates are based on 3,400 gallons.

Public Health	
Compliance	
Affordability	
Total Points	

**Tie Breaker:**

If two or more systems have the same score, the following will be used as the tie- breaker.

1. Whichever system has the highest public health rating will be ranked highest.
2. In the event there is still a tie, then the system with the smaller population served will be ranked higher.



**Definitions**

EPA -- Environmental Protection Agency  
MCL -- Maximum Contaminant Level  
MHI -- Median Household Income  
ETT -- Enforcement Tracking Tool  
SWTR -- Surface Water Treatment Rule

**ATTACHMENT 2**

**Project Priority List/Comprehensive List**

WEST VIRGINIA 22DWTRFA PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	LDIC NUMBER	1% PERCENT MH	3400 CURRENT	3400 PROPOSED	AFFORD-ABILITY	DISADVANTAGED	DWTRF TERMS	NEW POPULATION	POINTS	HEALTH	COMPLIANCE	AFFORD-ABILITY	DWTRF FUNDING REQUESTED	TOTAL COST	DWTRF Eligible Funding Type	BYPASS RATIONALE
1	Fairview, Town of	Marion	Phase I-Connection to Monumental PSD	This preliminary application is to make improvements to the Town of Fairview's water distribution system and to connect to the Monumental PSD's water system. The project will be split into two (2) phases. This application is for Phase I. Phase I will primarily consist of the installation of approximately 3,500 LF of water line, a PRV Station, a duplex booster station with telemetry and emergency generator, refurbish existing water storage tank, upgrade access roads to existing water storage tanks, upgrade telemetry to existing water storage tanks, demolish old tank at water treatment plant, also commission an existing water treatment plant, a new office building.	2020W-1861	\$36.02	\$48.20	\$87.33	3.03	Yes	0.5%, Admin. Waived, 30 yrs. Principal Forgiveness	979	100	50	20	30	\$2,179,430	\$3,179,430	DWSRF Base Program/Supplemental Funding	Design loan will be funded.
2	Fineville Municipal Waterworks	Wyoming	Brenton Baileyville Waterline Extensions	The proposed project consists of a new 8-inch line that will extend along WV Route 97 to Baileyville Elementary School from the end of the existing 8-inch line near Wyoming. Also there will be 6-inch lines extending from Route 97 along James Branch Road and Doubcamp Branch Road for approximately 0.53 miles and 0.94 miles, respectively. This alternative will also feature one 150,000-gallon water storage tank.	2020W-1903	\$35.14	\$45.00	\$63.46	2.26	Yes	0.5%, Admin. Waived, 40 yrs. Principal Forgiveness	2,945	100	50	20	30	\$1,912,571	\$9,498,871	DWSRF Base Program/Supplemental Funding	Project will be funded
3	Wadensville, Town of	Hardy	Water System Improvements	This project is to replace the fire hydrants and water meters in the distribution system; replace the Warden Acres water storage tank with a 330,000 gallon tank and the Anderson Ridge water storage tank with a 304,000 gallon tank; drill a new water well at the Town of Wadensville water treatment plant site; add a SCADA system; and upgrade/rehabilitate the existing Town of Wadensville's water treatment plant with major work to consist of upgrade the electrical service, upgrade the chlorine room, upgrade mechanical piping, and add a generator.	2020W-1879	\$36.46	\$33.84	\$45.01	1.54	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	788	90	50	20	20	\$3,124,477	\$2,421,000	DWSRF Base Program/Supplemental Funding	Project will be funded
4	Fairview, Town of	Marion	Phase II-Water Line Replacements	This project will replace 11,000 ft of old water mains, install 14 new valves and 5 fire hydrants in order to reduce significant water loss.	2022W-2087	\$36.02	\$87.33	\$87.33	3.03	Yes	Principal Forgiveness	979	90	50	10	30	\$1,175,000	\$2,175,000	DWSRF Base Program/Supplemental Funding	Design loan will be funded.
5	Salem, City of	Harrison	Phase IV Water System Improvements	The City of Salem is proposing to replace approximately 1.5 miles (8,000 LF) of problematic 8-inch water main, along with short sections of 6-inch connection lines, utility service lines (including lead and galvanized) and 128 water meters. Two short sections of 2-inch water line will also be replaced and a leak detection will be performed on the rest of the distribution system.	2021W-1988	\$36.91	\$43.32	\$66.96	2.27	Yes	0.5%, Admin. Waived, 40 yrs. Principal Forgiveness	1,617	90	40	20	30	\$2,400,000	\$3,500,000	DWSRF Base Program/Supplemental Funding	Requesting Congressional Earmark Grant
6	McDowell County PSD	McDowell	Elkhorn Ph. III	The proposed project will construct a new water treatment plant to serve 220 customers and will allow 3 old treatment plants (Greenbrier, Ashland, and Crumpler) to be retired in the area. Also included in the project will be a 50 GPM booster station, (2) 100,000-gallon water storage tanks, approximately 60,645 linear feet of 8-inch and smaller waterline, 24 fire hydrants, and all other necessary valves and appurtenances.	2021W-1961	\$25.96	\$51.72	\$51.72	2.59	Yes	Principal Forgiveness	693	80	40	10	30	\$856,500	\$7,513,000	DWSRF Base Program/Supplemental Funding	Project will be funded
7	Town of Franklin	Pendleton	Plant Upgrade/Line Replacement	The proposed project consists of 8" directional drill river crossing, upgrades at the Hanover Storage Tank, replacement of the altitude valve, and upgrades to the Morton Storage Tank. At the water treatment plant work includes; upgrade secondary water source, replace backwash pump, upgrade backwash tank, upgrade plant instrumentation, upgrade plant building, and upgrade sediment basin. Installation of two 40,000 gallon clear well tanks, new automation, VFD's on pump motors, new automatic transfer switch, and replace the plant emergency generator.	2019W-1845	\$36.26	\$53.75	\$75.25	2.59	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	1,702	80	30	20	30	\$1,300,000	\$3,472,318	DWSRF Base Program/Supplemental Funding	Project will be funded
8	Chestnut Ridge PSD	Harbour	Water System Improvements	This project will make improvements to the PSD's water distribution system, including water line and valve replacements, upgrading booster stations, replacing water meters and upgrades to the SCADA and telemetry systems.	2019W-1835	\$32.29	\$65.47	\$65.47	2.53	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	2,643	80	30	20	30	\$500,000	\$5,300,000	DWSRF Base Program/Supplemental Funding	Project will be funded
9	Mercer County PSD	Mercer	Water System Improvements	This project will extend the water system to the McComas area and replace the existing full McComas water system.	2021W-1992	\$37.70	\$0.00	\$21.00	1.03	TBD	TBD	TBD	75	50	20	5	\$2,698,000	\$2,698,000	DWSRF Base Program/Supplemental Funding	Project was returned at LDIC and has been requested to further evaluate alternatives.
10	Paw Paw, Town of	Morgan	Water System Improvements	This Preliminary Application is to upgrade the Town of Paw Paw water treatment plant and distribution system. The distribution portion of the project will consist of the installation of approximately 2 miles (10,780 LF) of 2" to 8" water line; and rehabilitate the existing water storage tanks.	2021W-1962	\$31.06	\$46.01	\$62.58	2.52	Yes	0.5%, Admin. Waived, 40 yrs. Principal Forgiveness	488	70	30	10	30	\$3,395,600	\$4,395,600	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
11	Richwood, City of	Nicholas	Surface Water Intake Impound Structure Project	The proposed project will replace the raw water intake impoundment that helps to regulate the water level around the water treatment plant's raw water intake. Included in this project will be building a new surface water intake impoundment structure, demolition and removal of the existing impound infrastructure, installation of a catwalk with manual gate, construction of a new intake screening structure, approximately 200 LF of 12" mains, 300 LF of 24" air line and site electric with equipment for an air compressor building, and various reclamation of disturbed areas.	2021W-1959	\$28.37	\$39.88	\$45.47	2.00	Yes	0.5%, Admin. Waived, 30 yrs. Principal Forgiveness	1,095	70	30	10	30	\$1,000,000	\$2,000,000	DWSRF Base Program/Supplemental Funding	Project will be funded.
12	Pennsboro, City of	Richie	Water System Improvements	The proposed project plans to replace the existing 434,000 gallon Industrial Park Tank with a new like-sized tank and to rehabilitate the Park Drive and Broadwater Water Storage Tanks. Also included will be the replacement of almost 1.14 miles of mostly 8-inch watermain with a small portion being 2-inch and 6-inch. All necessary valves and appurtenances will be included as well as the demolition and site preparation for the new tank.	2022W-2089	\$30.25	\$60.07	\$60.07	2.48	Yes	Principal Forgiveness	1,291	70	30	10	30	\$500,000	\$2,112,000	DWSRF Base Program/Supplemental Funding	Project will be funded.
13	Alderson, Town of	Greenbrier	Water System Rehab & Expansion	This preliminary application is for the Town of Alderson to extend water service to the Riverside Rest Area and to repair/replace various parts of the water distribution system and water treatment facilities.	2019W-1833	\$25.68	\$38.58	\$58.49	2.85	Yes	0.5%, Admin. Waived, 40 yrs. Principal Forgiveness	2,458	70	30	10	30	\$5,398,000	\$9,013,000	DWSRF Base Program/Supplemental Funding	Project will be funded.
14	Town of Oceana	Wyoming	Water System Upgrade Phase II	Phase 2 of a water system upgrade project for the Town of Oceana and the surrounding area. Project includes replacing Lynco water storage tank, water plant upgrades, telemetry upgrades, replacing water meters, booster station upgrades, and upgrading existing water lines along Rt 10, Rt 85, Poplar St, and Cheoam St.	2019W-1840	\$35.14	\$39.23	\$48.93	2.02	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,797	70	30	10	30	\$3,000,000	\$5,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.

WEST VIRGINIA 22DWTRFA PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	LIDC NUMBER	1% PERCENT MHI	3400 CURRENT	3400 PROPOSED	AFFORDABILITY	DISADVANTAGED	DWTRF TERMS	NEW POPULATION	POINTS	HEALTH	COMPLIANCE	AFFORDABILITY	DWTRF FUNDING REQUESTED	TOTAL COST	DWTRF Eligible Funding Type	BYPASS RATIONALE
15	Gary, City of	McDowell	Water System Improvements	The project includes the engineering services necessary to conduct a feasibility study that will review alternate water sources for the city's water distribution system including alternative raw water sources, emergency interconnect to the City of Welch, emergency interconnect to the McDowell County PSD and consolidation with a nearby water utility.	2020W-1909	\$32.98	\$33.15	\$33.15	1.26	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	1,633	65	40	10	15	\$500,000	\$3,587,000	DWSRF Base Program/Supplemental Funding	Project was returned at LIDC and has been requested to further evaluate alternatives.
16	Lincoln PSD	Lincoln	Alum Creek Water Storage Tank Replacement	This project will replace the Lincoln PSD's Alum Creek Water Storage Tank with a new 300,000 gallon tank.	2019W-1806	\$37.29	\$38.81	\$42.43	1.42	Yes	Principal Forgiveness	2,473	65	40	10	15	\$250,000	\$1,000,000	DWSRF Base Program/Supplemental Funding	Project will be funded
17	Cairo, Town of	Ritchie	Water System Improvements	This project will make improvements to the Town of Cairo water distribution system. The project will consist of the 190 new water meters, replacement of 20 valves, replace the existing PRV stations, clean and refurbish the existing 214,000 gallon storage tank, replace a river crossing, stabilize a river bank, replace 12 fire hydrants, install 12 fire hydrants, replace approximately 2.5 miles (13,400 LF) of 6" and 2" water line, and replace approximately 1.1 miles (6,000 LF) of 1/4" water line.	2021W-1953	\$33.85	\$38.59	\$51.48	1.90	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	406	65	30	10	25	\$1,000,000	\$4,000,000	DWSRF Base Program/Supplemental Funding	Project will be funded
18	Town of Worthington	Marion	Worthington Line Upgrades/Replacement	The project will make upgrades to the Town's distribution system and will include an interconnection between Four States and Monongah. The project also includes a water line extension to the Harter Hill area that will serve five (5) new customers. The project will consist of the installation of approximately 18,900 LF of 6" and 18,800 LF of 2" water line; 10,000 LF of 1/2" service line replacement; 28 valves; two (2) PRV Stations; 12 fire hydrants; two (2) solenoid master meters; 13 leak detection meters; 465 radio-read meters; all necessary piping, valves and appurtenances.	2019W-1810	\$27.99	\$27.12	\$43.83	1.96	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	1099	65	30	10	25	\$2,866,390	\$3,366,390	DWSRF Base Program/Supplemental Funding	Project will be funded
19	Grant Town, Town of	Marion	Water System Improvements	This Preliminary Application is to replace water line, booster stations and water storage tank in the Town of Grant Town. The project will consist of the installation of approximately 2.9 miles (15,125 LF) of 8" through 2" waterline; replace two (2) booster stations; and replace the existing 100,000-gallon tank with a new 200,000-gallon tank; and necessary valves and appurtenances.	2021W-2000	\$33.56	\$35.60	\$59.24	2.11	Yes	0.5%, Admin, Waived, 40 yrs, Principal Forgiveness	1,240	65	30	5	30	\$2,825,000	\$3,825,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
20	Terra Alta Municipal Water Dept.	Preston	Water System Extensions and Improvements	This preliminary application is to extend water service to 25 new customers and to upgrade/replace the water system in the Town of Terra Alta. The water distribution section of the project will consist of the installation of approximately 1.5 miles (8,100 LF) of 2" and 6.2 miles (32,800 LF) of 8" water line; replace the 200,000 gallon Goodwill water storage tank; replace the Cozzini water storage tank altitude valve; replace all meters with radio read meters; purchase a compact excavator, equipment trailer and a service dump truck; and all necessary valves, controls and instrumentation. The water treatment section of the project will consist of a new high-	2019W-1787	\$38.03	\$41.53	\$57.08	1.88	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	1,856	65	30	10	25	\$4,800,000	\$6,250,000	DWSRF Base Program/Supplemental Funding	Requesting Congressional Earmark Grant
21	New Creek Water Association	Mineral	Water System Improvements	This project proposes to make several upgrades around the water system including waterline replacements, waterline extensions, tank replacement, Booster Pump Station Upgrades and various other system upgrades.	2018W-1748	\$33.11	\$33.80	\$50.50	1.91	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,043	65	30	10	25	\$5,673,000	\$5,673,000	DWSRF Base Program/Supplemental Funding	Project already funded by LIDC and under construction
22	Rivesville, Town of	Marion	Fairmont to Rivesville Water Supply Line Project	The proposed project includes replacing the deteriorated 8" main supply line with a 12" line that will connect to the City of Fairmont's 16" main. This project will consist constructing 10,500 feet (2 mi) of 12" water line and 300 feet of 8" water line within a stream crossing, 350 feet of steel casing and 6 gate valves. The City of Fairmont provides water to the Town of Rivesville. The intent is to ultimately transfer ownership of a portion of the line to the City of Fairmont.	2017W-1677	\$43.48	\$40.12	\$57.81	1.66	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	1,443	60	40	10	10	\$500,000	\$3,206,307	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
23	Pax, Town of	Fayette	Water System Upgrades	This project proposes replacing sections of water main between the Beckley Water Company connection point and the Pax water tank. The proposed project will consist of approximately 1.9 miles (10,000 LF) of 6" PVC, 400 LF of 6" DDP, 600 LF of 8" HDPE, 400 LF of 2" PVC, fire stream crossing, fire Department of Highway road crossings, and related appurtenances. This will renew the useful life of this critical section of waterline and will continue to distribute treated water for the Town of Pax customers.	2021W-1985	\$37.81	\$60.35	\$60.35	2.00	Yes	0.5%, Admin, Waived, 40 yrs, Principal Forgiveness	762	60	30	0	30	\$1,680,000	\$1,680,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
24	Mason County PSD	Mason	J2Y35 Water System Improvements	This project includes Miscellaneous improvements to existing J2Y35 water association water system in order for the Mason County PSD to adequately operate it through feeding it from its system, including 10,000 LF 8 inch transmission line to connect PSD system to J2Y35 tank; 125 gpm booster station near fire in; replace J2Y35 80,300 gallon tank; PRV valve vault for existing customers 608 through 22nd Street master meter	2021W-2005	\$37.97	\$43.95	\$46.25	1.52	Yes	Principal Forgiveness	3,323	60	30	10	20	\$500,000	\$1,400,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
25	Hodgenville PSD	Upshur	Water System Improvements & Extension	This project will replace approximately 175 service lines in the existing system. It will also include an extension on the Upper Peck's Run Road to serve an additional five customers. The project includes the installation of two 100,000 gallon water tanks as well as a booster pump station. The project also includes the installation of approximately 1200 radio read meters.	2020W-1877	\$42.01	\$54.29	\$54.29	1.62	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	2,887	60	20	20	20	\$2,320,000	\$7,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
26	Walton PSD	Roane	Camp Shepard-Quarry Road Water Line Extensions	This project will upgrade the line size to the Camp Shepard 4-H camp to provide fire protection and then extend the line out to serve approximately 26 new customers along Wolf Run and Quarry Road. Included will be approximately 3.7 miles of water line, (2) fire hydrants, a booster station, (1) 50,000 gallon water storage tank, and all necessary valves and appurtenances. They also plan to repaint the 100,000 gallon Walton water storage tank and refurbish the Ganderville, Amber Ridge, and Long Ridge water storage tanks.	2015W-1564	\$34.29	\$29.21	\$36.21	1.58	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	1,986	55	20	10	25	\$959,710	\$3,459,710	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
27	Jumping Branch Nimitz PSD	Summers	Broomstraw Rd./Mark Meador Rd. Extension	This project will provide water service to the Broomstraw Rd. and Mark Meador Rd. areas of western Summers County. Residents experience low water quality and poor quality water issues in existing private wells. In addition, many residents haul water, use cisterns, and some report fecal contaminants in wells.	2019W-1815	\$38.18	\$57.94	\$66.58	2.18	Yes	1%, 0.25% Admin, 30 years	1,414	53	20	3	30	\$400,000	\$4,811,800	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
28	Jumping Branch Nimitz PSD	Summers	Madams Creek Waterline Ext.	To provide water service to the Madams Creek Rd. area of western Summers Co. Residents experience low water quality and poor quality water issues in existing private wells. In addition, many residents haul water, use cisterns, and some report fecal contaminants in wells.	2019W-1816	\$38.18	\$57.94	\$74.82	2.45	Yes	0.5%, 0.25% Admin, 30 years	1,414	53	20	3	30	TBD	\$4,418,500	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.

**WEST VIRGINIA 22DWTRFA PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST**

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	IJDC NUMBER	1% PERCENT MHI	3400 CURRENT	3400 PROPOSED	AFFORD-ABILITY	DISADVANTAGED	DWTRF TERMS	NEW POPULATION	POINTS	HEALTH	COMPLIANCE	AFFORD-ABILITY	DWTRF FUNDING REQUESTED	TOTAL COST	DWTRF Eligible Funding Type	BYPASS RATIONALE
29	Cowen PSD	Webster	Rt. 82 Water Line Extension Project	This project consists of extending public water service and providing fire service to approximately 55 proposed customers along Rt. 82 in Webster County.	2014W-1525	\$30.30	\$0.00	\$43.65	1.80	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	2,796	53	20	3	30	\$3,000,000	\$4,500,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
30	Annoore, Town of	Harrison	Water System Improvements	This Preliminary Application is to replace existing water line in the Town of Annoore with approximately 5.2 miles (27,380 LF) of 8" dia, 20" water line, approximately 1.5 miles of service line (8,080 LF) and approximately 456 new radio read meters.	2021W-1970	\$27.53	\$33.76	\$45.71	2.08	Yes	0.5% Admin, Waived, 30 yrs, Principal Forgiveness	951	50	10	10	30	\$2,300,000	\$3,300,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
31	Marlinton, Town of	Pocahontas	Phase II Water System Improvements	This project is Phase 2 for Marlinton's water distribution system improvements. The project will replace approximately 1.9 miles of existing 4-inch water mains with 6-inch water line and replace approximately 1.9 miles of existing 1.25-inch water line with 2-inch water line. Also included will be installation of 41 valves, 20 fire hydrants, 10 leak detector meters, replace 300 meters/wells/setters, and all other necessary valves and appurtenances.	2022W-2077	\$29.83	\$66.81	\$75.11	3.15	Yes	0.5% Admin, Waived, 40 yrs, Principal Forgiveness	1,362	50	10	10	30	\$3,500,000	\$4,500,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
32	Cowen PSD	Webster	Ph III Water System Rehabilitation Project	Project will remove and replace approx. 17,050 lf of water lines ranging in size from 2" to 10" and rehabilitate the existing WTP and upgrade the capacity from 600 GPM to 1,200 GPM	2022W-2120	\$30.30	\$43.65	\$53.39	2.15	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,372	50	10	10	30	\$2,580,000	\$11,580,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
33	Williamson, City of	Mingo	Water System Upgrade Project	This project will upgrade the water treatment, storage and distribution system. Upgrades will consist of the installation of (3) 2,500 GPM treatment high service pumps, approx. 2.86 miles of 24-inch and smaller diameter mains, a 500 GPM booster pump station, four new water storage tanks, rehab of existing tank, numerous pressure reducing stations, back up generators for TP and booster pump stations, telemetry, hydrants, valves, meters	2015W-1587	\$29.95	\$24.75	\$49.40	2.11	Yes	0.5% Admin, Waived, 40 yrs, Principal Forgiveness	4,183	50	10	10	30	\$12,578,000	\$12,578,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
34	McDowell County PSD	McDowell	Bradshaw	This project proposes that the Bradshaw water system will be connected to the McDowell County PSD Bartley water distribution system that runs through town, and the water will be supplied by the MCPDSD Bartley WTP. In addition it will involve the decommissioning of the Bradshaw Water Treatment Plant and the Bradshaw water tank. This project will result in the consolidation of Bradshaw Water Works and McDowell Co. PSD - Bartley.	2021W-1939	\$28.83	\$16.00	\$53.72	2.33	Yes	Principal Forgiveness	1,854	50	10	10	30	\$100,000	\$2,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
35	New Haven PSD	Fayette	Contract 18 - Sunday Rd./Confluence/Elliott Cutoff area.	Water line extension to Sunday Rd./Confluence/Elliott Cutoff area, including possible Stringtown connector & Clifty connector. Approximately 67 new customers.	2018W-1761	\$37.81	\$49.24	\$52.93	1.75	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	4,409	48	20	3	25	\$2,493,325	\$2,933,635	DWSRF Base Program/Supplemental Funding	Project will be funded.
36	New Haven PSD	Fayette	Contract 19 - Ramsey Extension	Water line extension to Cane Branch, Ramsey, Hawver Rd., South Miller Ridge, Arrowwood Rd., Dotson Ridge & Lower Dotson Ridge, Whispering Pines. Approximately 73 new customers.	2018W-1760	\$37.81	\$49.24	\$58.22	1.92	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	4,438	48	20	3	25	\$3,927,250	\$4,841,686	DWSRF Base Program/Supplemental Funding	Project will be funded.
37	Greenbrier County PSD #2	Greenbrier	Ph II - Sam Black Water Line Extension	This project extends water service to approximately 475 new customers from Charmco to Rainelle and from Sam Black Church to Asbury in Greenbrier County. The project includes approximately 17 miles of 2-inch to 8-inch distribution line, two (2) booster stations, one (1) 100,000-gallon water storage tank, one (1) 300,000 gallon water storage tank, 50 gate valves, 40 fire hydrants, 30 flushing hydrants and other appurtenances.	2020W-1898	\$41.40	\$54.65	\$62.29	1.88	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	2,326	45	20	0	25	\$9,000,000	\$17,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
38	Lashmet PSD (WVAWC)	Mercer	Mary Branch Water Extension	Extension of public water to the Mary Branch area of Mercer County, West Virginia. 4 miles. Approximately 42 new customers.	2018W-1728	\$37.70	\$49.24	\$51.14	1.70	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,794	40	20	0	20	\$971,453	\$2,146,050	DWSRF Base Program/Supplemental Funding	Project will be funded.
39	Hammond PSD	Brooke	Water System Improvements	This project includes system improvements to the distribution systems and the water treatment plant. This includes water main replacement, replacing existing meters with new AME meters, replacing shut off valves, pump station improvements and upgrades to existing water storage tanks. Water treatment plant improvements include replacing the sedimentation basin, filter media replacement, automatic valve installation, installation of a permanent generator and pump replacement.	2021W-1955	\$48.14	\$40.21	\$67.39	1.75	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	2,196	40	10	10	20	\$5,674,000	\$6,174,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
40	Kanawha Falls PSD	Fayette	Water System Improvements	This project will upgrade the existing water treatment plant from approximately 933 gpm to 1,300 gpm.	2021W-2038	\$37.80	\$39.56	\$45.45	1.50	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	2,410	40	10	10	20	\$9,860,500	\$9,860,500	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
41	Craigsville PSD	Nicholas	Water Treatment Plant and Distribution System Upgrades	This project will upgrade the existing water treatment plant to 900 gpm and installing a dedicated waterline from the water treatment plant to existing elevated water storage tanks. The project will consist of a new raw water intake screen and hydroboost system, raw water pump station, flocculator, sedimentation basin, filter equipment, backwash solids pump station, chemical feed system, painting four (4) existing water tanks, approximately 5 miles of 10" water line, and all necessary appurtenances.	2015W-1590	\$32.53	\$29.45	\$36.46	1.40	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	1,813	35	10	10	15	\$3,174,000	\$11,100,000	DWSRF Base Program/Supplemental Funding	Project will be funded.
42	Town of Nutter Fort	Harrison	Water System Improvements	This project will replace water line and add a new water storage tank in the Town of Nutter Fort. The project will consist of the installation of approximately 1.3 miles (7,110 LF) of 6" and 1.5 miles (7,850 LF) of 12" waterline and one (1) 270,000-gallon water storage tank with telemetry and all necessary valves and appurtenances.	2021W-1973	\$41.33	\$36.58	\$54.21	1.64	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	1,832	33	10	3	20	\$2,000,000	\$4,300,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.

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RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	IJDC NUMBER	1% PERCENT MHI	3400 CURRENT	3400 PROPOSED	AFFORD-ABILITY	DISADVANTAGED	DWTRF TERMS	NEW POPU-LATION	POINTS	HEALTH	COMPLIANCE	AFFORD-ABILITY	DWTRF FUNDING REQUESTED	TOTAL COST	DWTRF Eligible Funding Type	BYPASS RATIONALE
43	West Union, Town of	Doddridge	Water System Improvements	The proposed project will include improvements to the distribution system and a construction of a new 500 GPM water treatment plant. Improvements include 11,000 ft of new water line, two new water storage tanks, new telemetry and replacement of 16,200 ft of water line.	2021W-2046	\$31.86	\$28.90	\$51.17	2.01	Yes	0.5% Admin. Waived, 40 yrs. Principal Forgiveness	1,895	30	10	10	10	\$20,995,000	\$22,995,000	DWSRF Base Program/Supplemental Funding	Project was returned at IJDC and has been requested to further evaluate alternatives.
44	City of Weirton	Hancock	Water Treatment Plant Refurbish & Expand	This project will upgrade and increase the Weirton Water Board's 4.0 MGD Water Treatment Plant to an 8.0 MGD plant. Major new construction will consist of a pre-oxidation basin with sludge removal equipment, a flocculation tank with plate settlers, a sludge thickener, a backwash filter tank, an emergency generator and the expansion of the existing filter building and clear well. The existing Raney Well will also be reconstructed.	2019W-1795	\$41.49	\$24.96	\$41.84	1.27	Yes	1%, 0.25% Admin, 30 years	24,000	25	10	0	15	\$2,000,000	\$22,470,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
45	Bellwood Community Facilities	Fayette	Main Line Replacement	Project will replace 40 yr. old 2" galvanized supply line from pump house to tank reservoir, approx. 600 ft.	TBD	\$37.80	\$20.00	TBD	0.66	TBD	TBD	113	TBD	TBD	TBD	5	\$5,000	\$5,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
46	Arthurdale Water Association	Preston	Water System Upgrades	Project consists of water treatment plant and distribution system upgrades.	TBD	\$46.94	\$18.56	TBD	0.49	TBD	TBD	285	TBD	TBD	TBD	0	\$200,000	\$200,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
47	Valley Grove, Village of	Ohio	Water System Improvements	This project includes replacement of approx. 35,000 ft of water lines, construction of 2 new 100,000 gallon storage tanks, 250 new water meters, and water tank access road improvements.	TBD	\$36.83	\$60.79	TBD	2.06	Yes	0.5% Admin. Waived, 40 yrs. Principal Forgiveness	686	TBD	TBD	TBD	30	\$6,500,000	\$7,500,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
48	Thomas, City of	Tucker	Water System Improvements	Project includes replacement of 35,000 ft of existing water lines, rehabilitation of 3 water storage tanks, replacement of 1 booster pump station, a new 350 gpm water treatment plant, replacement of 360 water meters, and 3,000 ft of new 8" water line.	TBD	\$34.38	\$36.76	TBD	1.34	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	753	TBD	TBD	TBD	15	\$14,300,000	\$15,300,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
49	Summit Park PSD	Harrison	Water System Improvements	Project will replace all existing components of an aging water system with new line and lead free components.	TBD	\$45.82	\$45.18	TBD	1.23	TBD	TBD	835	TBD	TBD	TBD	10	\$6,000,000	\$6,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
50	Rowlesburg, Town of	Preston	Water System Improvements	The project proposes to repair electrical issues and perform upgrades at the water treatment plant. The project also proposes to purchase and install new water meters within the system, purchase leak detection equipment, and upgrade aging water lines.	TBD	\$31.00	\$38.19	TBD	1.54	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	892	TBD	TBD	TBD	20	\$1,500,000	\$2,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
51	Junior, Town of	Barbour	Water Tank Replacement Project	This project will replace a water storage tank that was constructed in 1970 and is in poor condition.	TBD	\$33.56	\$53.20	TBD	1.98	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	987	TBD	TBD	TBD	25	TBD	TBD	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
52	Fountain PSD	Mineral	Parrill Hollow Water System Project	TBD	TBD	\$33.11	\$62.27	TBD	2.35	Yes	0.5% Admin. Waived, 40 yrs. Principal Forgiveness	1,001	TBD	TBD	TBD	30	\$822,630	\$2,202,800	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
53	Mt. Zion PSD	Calhoun	Water System Improvements	Project includes water distribution and storage system improvements.	TBD	\$37.05	\$59.36	TBD	2.00	Yes	0.5% Admin. Waived, 40 yrs. Principal Forgiveness	1,009	TBD	TBD	TBD	30	\$1,500,000	\$2,500,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
54	Downs PSD	Marion	Waterline Extensions & System Upgrades	Project includes water line extensions along East Run and Plum Run Road, construction of a water storage tank and an interconnection with Monumental PSD to allow a secondary source to both utilities.	TBD	\$44.96	\$45.81	TBD	1.27	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	1,024	TBD	TBD	TBD	TBD	\$2,400,000	\$2,400,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
55	Belmont, City of	Pleasants	Water System Improvements	Project consists of distribution and storage system upgrades.	TBD	\$41.02	\$35.70	TBD	1.09	No	2.5%, 0.25% Admin, 20 years	1,048	TBD	TBD	TBD	10	\$1,000,000	\$3,500,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
56	Richwood, City of	Nicholas	Water Tank Renovation and Meter Replacement	This project includes the engineering services necessary to renovate 4 finished water storage tanks, demolish 1 water storage tank, add a booster station, replace existing obsolete water meters, and construct a preoxidation basin.	TBD	\$28.37	\$45.47	TBD	2.00	Yes	0.5% Admin. Waived, 40 yrs. Principal Forgiveness	1,095	TBD	TBD	TBD	30	\$5,000,000	\$5,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.

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RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	LDIC NUMBER	1% PERCENT MHI	3400 CURRENT	3400 PROPOSED	AFFORDABILITY	DISADVANTAGED	DWTRF TERMS	NEW POPULATION	POINTS	HEALTH	COMPLIANCE	AFFORDABILITY	DWTRF FUNDING REQUESTED	TOTAL COST	DWTRF Eligible Funding Type	BYPASS RATIONALE
57	ke's Run Rt 250 PSD	Marion	Water System Improvements PH II	This project includes replacement of 9,200 lf of existing water line, improvements to Goose Run booster pump station, new booster station, new water meters, water tank access road improvements, new control valve station and telemetry system upgrades.	TBD	\$44.96	\$40.89	TBD	1.14	TBD	TBD	1,130	TBD	TBD	TBD	10	\$2,400,000	\$2,400,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
58	Burnsville Public Utility Board	Braxton	Route 4 Water Line Extension	This project would extend public water service to approx. 100 customers from Curry Ridge along Route 4 to the Lewis County line.	TBD	\$34.11	\$49.22	TBD	1.80	Yes	1% 0.25% Admin, 30 years, Principal Forgiveness	1,140	TBD	TBD	TBD	25	\$6,700,000	\$6,700,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
59	Burnsville Public Utility Board	Braxton	Water System Rehab Project	Proposed water line extension and relocation project to provide water service to customers along Curry Ridge Rd. and remove the existing water line from the Corp of Engineers Burnsville Lake.	TBD	\$34.11	\$49.22	TBD	1.80	Yes	1% 0.25% Admin, 30 years, Principal Forgiveness	1,140	TBD	TBD	TBD	25	\$1,200,000	\$6,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
60	Pennsboro, City of	Richie	Phase II Water Line Extension	This project will extend public water to approx. 33 customers along Route 74. The project includes water lines, water meters, fire hydrants and all necessary appurtenances.	TBD	\$30.25	\$60.07	\$60.07	2.48	Yes	0.5% Admin, Waived, 40 yrs, Principal Forgiveness	1,291	TBD	TBD	TBD	30	\$4,000,000	\$5,000,000	DWSRF Base Program/Supplemental Funding	Requesting Congressional Earmark Grant
61	New Cumberland, City of	Hancock	New Well	This project includes development of a new well, repairing an existing well and replacement of approx. 30 valves.	TBD	\$26.09	\$42.30	TBD	2.03	Yes	0.5% Admin, Waived, 40 yrs, Principal Forgiveness	1,326	TBD	TBD	TBD	30	\$150,000	\$150,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
62	Big Bend PSD	Summers	Water System Improvements	Project consists of water line replacements under the Greenbrier River, installation of a generator and transfer switch at the Hillsdale booster station and WTP improvements.	TBD	\$38.18	\$36.46	TBD	1.19	TBD	2.5% 0.25% Admin, 20 years	1,338	TBD	TBD	TBD	10	\$2,540,000	\$2,540,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
63	Parsons, City of	Tucker	Water System Improvements	The project includes upgrades to existing potable water storage, replacement of remaining original sections of the water system, replacement of hydrants and valves, and upgrades to leak detection monitoring systems.	TBD	\$36.93	\$43.11	TBD	1.46	Yes	1% 0.25% Admin, 30 years, Principal Forgiveness	1,461	TBD	TBD	TBD	15	\$4,500,000	\$4,500,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
64	Lumberport, Town of	Harrison	Water System Improvements	This project evaluates potential secondary water sources, comprehensive leak detection and an automated radio read water meter system.	TBD	\$40.36	\$49.19	TBD	1.52	Yes	1% 0.25% Admin, 30 years, Principal Forgiveness	1,519	TBD	TBD	TBD	20	\$2,000,000	\$3,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
65	Gilbert, Town of	Mingo	Upper Gilbert Creek Water Project	This project will extend public water service to approx. 441 customers in the upper Gilbert Creek area of Mingo county. The project includes water lines, 2 booster stations and 2 tanks.	TBD	\$34.60	\$49.00	TBD	1.77	Yes	1% 0.25% Admin, 30 years, Principal Forgiveness	1,687	TBD	TBD	TBD	25	\$6,000,000	\$8,600,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
66	Gilbert, Town of	Mingo	Gilbert WTP Upgrade	WTP upgrade project to increase capacity from 200 gpm to 800 gpm and replace multiple worn components. Project also includes a new 600,000 gallon storage tank.	TBD	\$34.60	\$49.00	TBD	1.77	Yes	1% 0.25% Admin, 30 years, Principal Forgiveness	1,687	TBD	TBD	TBD	25	\$6,000,000	\$7,500,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
67	Norton Harding Jintown PSD	Randolph	WTP and Water System Improvements	This project proposes the replacement/rehabilitation of critical water treatment plant and water distribution system components within the Norton Harding Jintown PSD service area. Water treatment plant improvements consist of replacing the existing, aging 400GPM water treatment plant with a 500GPM water treatment plant. Water distribution system improvements consist of aging, existing tanks, booster stations and water line rehabilitations.	TBD	\$41.10	\$39.59	TBD	1.20	TBD	TBD	1,707	TBD	TBD	TBD	10	\$2,500,000	\$10,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
68	Monumental PSD	Marion	Water System Improvements PH II	This project is Phase II of replacing old and undersized water lines with new larger waterlines and appurtenances to improve distribution system hydraulics, provide fire flow, and improve reliability.	TBD	\$44.96	\$41.04	TBD	1.14	TBD	TBD	1,924	TBD	TBD	TBD	10	\$3,950,000	\$3,950,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
69	Tomlinson PSD	Hancock	Acquisition of Newell Water System	The proposed project will replace the majority of the existing water lines, valves and hydrants in the community of Newell and construct a new 800-gpm ground water treatment plant.	TBD	\$41.62	\$41.95	TBD	1.26	Yes	1% 0.25% Admin, 30 years, Principal Forgiveness	2,012	TBD	TBD	TBD	15	\$6,500,000	\$12,500,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
70	Elizabeth, Town of	Wirt	Rt. 14 Water Line Improvements Ph II	This project will consist of water line replacement along Rt. 14.	TBD	\$33.01	\$55.20	TBD	2.09	Yes	0.5% Admin, Waived, 40 yrs, Principal Forgiveness	2,072	TBD	TBD	TBD	30	\$1,000,000	\$2,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
71	Mountain Top PSD	Grant	Water Meter System Upgrades	This project will purchase and install a complete radio read meter system throughout the district to increase system efficiency and accountability.	TBD	\$40.72	\$35.80	TBD	1.10	TBD	TBD	2,072	TBD	TBD	TBD	10	\$600,000	\$600,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
72	Harpers Ferry Water Works	Jefferson	Water System Improvements	This project will upgrade the water distribution system in the Harpers Ferry Water Works service area using PSC-approved plans not implemented in 2021 due to cost overruns.	TBD	\$68.45	\$50.90	TBD	0.93	No	2.5% 0.25% Admin, 20 years	2,122	TBD	TBD	TBD	5	TBD	\$9,635,200	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
73	Greater Harrison Co PSD	Harrison	Water System Improvements PH II	This project will upgrade multiple sections of the entire water system including replacement in McWorter, repairing lines in Quiet Dell and Blinley Fork. The project also will extend public water service to residents on Hastings Run Rd. and Duck Creek Rd. Replacement of two existing water storage tanks is also included in the project scope.	TBD	\$45.82	\$39.00	TBD	1.06	TBD	TBD	2,159	TBD	TBD	TBD	10	\$4,000,000	\$7,185,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
74	Harrisville, Town of	Richie	Mellin Ridge Water Line Extension	This project will extend public water service west from the Washburn Pump Station along Galloppe Run Road and Mellin Ridge Road. The proposed extension will provide potable water service to approximately 60 new customers. The extension will consist of the installation of approximately 52,300 linear feet (LF) of new water pipe ranging in size from six (6) inches to two (2) inches in diameter. The existing Washburn pump station will also be upgraded with new pumps, a SCADA system, and other equipment to support the increased water distribution demand due to this project.	TBD	\$42.60	\$35.56	TBD	1.04	TBD	TBD	2,246	TBD	TBD	TBD	10	\$2,200,000	\$3,200,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
75	Mountain View Water Assoc.	Taylor	Water System Improvements	Project includes 16,000lf of water line extension, 55,100lf of failing water line replacement, a new booster pump station, and repair of an existing PVV.	TBD	\$45.80	\$40.36	TBD	1.10	TBD	TBD	2,263	TBD	TBD	TBD	10	\$6,700,000	\$6,700,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.

WEST VIRGINIA 22DWTRFA PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	LDIC NUMBER	1% PERCENT MH	3400 CURRENT	3400 PROPOSED	AFFORDABILITY	DISADVANTAGED	DWTRF TERMS	NEW POPULATION	POINTS	HEALTH	COMPLIANCE	AFFORDABILITY	DWTRF FUNDING REQUESTED	TOTAL COST	DWTRF Eligible Funding Type	BYPASS RATIONALE
76	Century Volga PSD	Harbour	Water System Improvements	Project includes replacing the liquid level indicator at 2 storage tanks, construction of one new 1,000 gallon storage tank, repair or replacement of two PRV stations and replacing approx. 1000 water meters.	TBD	\$38.61	\$55.01	TBD	1.78	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	2,492	TBD	TBD	TBD	25	\$1,700,000	\$2,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
77	Northern Jackson County PSD	Jackson	Sarvis Fork Extension	This project will provide public water service and fire protection to approx. 15 homes in the Sarvis Fork area. Project includes approx. 18,880 lf of 6 through 2 inch water line.	TBD	\$33.35	\$39.72	TBD	1.49	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	2,506	TBD	TBD	TBD	15	\$1,575,000	\$1,575,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
78	Sun Valley PSD	Harrison	Cherry Camp Extension to Rt 23	This project proposes to extend public water service along State Routes 50/5, 50/4 and 50/43 to provide a water source to Doddridge county PSD. Sun Valley PSD will pick up approx. 65 new customers on the extension and would allow Doddridge county PSD to serve additional residents along Route 23.	TBD	\$45.82	\$54.65	TBD	1.50	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	2,657	TBD	TBD	TBD	20	\$4,000,000	\$8,500,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
79	Short Line PSD	Harrison	Water System Improvements	This project proposes to replace approximately 50,000 LF of water line ranging in size for 4" to 8" in the existing system. These sections of line have been prone to breaks and is causing severe operation and maintenance issues for the District. The District is also proposing to replace sections of valves, hydrants and upgrade their outdated meters to new radio read meters. The District is proposing to replace their existing booster pump station that has severely deteriorated and is at risk of catastrophic failure.	TBD	\$45.82	\$40.80	TBD	1.11	TBD	TBD	2,681	TBD	TBD	TBD	10	\$3,000,000	\$4,950,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
80	Branchland-Midkiff PSD	Lincoln	14 Mile Creek Rd. Water Extension Project	Project will extend water service to 26 customers in the 14 Mile Creek Rd. area of Lincoln County. Project includes water lines, booster station and tank. Project would also establish an interconnection with the Logan County PSD.	TBD	\$37.29	\$54.13	\$54.13	1.81	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,278	TBD	TBD	TBD	25	\$2,000,000	\$2,500,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
81	Branchland-Midkiff PSD	Lincoln	Six Mile Creek Water Extension Project	Project will extend water service to 47 customers in the Six Mile Creek Rd. area of Lincoln County. Project includes water lines, booster station and tank.	TBD	\$37.29	\$54.13	\$54.13	1.81	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,278	TBD	TBD	TBD	25	\$2,000,000	\$3,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
82	Branchland-Midkiff PSD	Lincoln	Two Mile Creek Water Extension Project	Project will extend water service to 61 customers in the Two Mile Creek Rd. and Little Loral Creek areas of Lincoln County. Project includes water lines, booster station and tank.	TBD	\$37.29	\$54.13	\$54.13	1.81	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,278	TBD	TBD	TBD	25	\$2,800,000	\$3,800,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
83	Branchland-Midkiff PSD	Lincoln	Trace Fork and Hamlin Water Extension Project	Project will extend water service to 61 customers in the Trace Fork and the area between W. Hamlin and 4 Mile Creek. Project includes water lines and a booster station. Project will also eliminate a filing river crossing.	TBD	\$37.29	\$54.13	\$54.13	1.81	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,278	TBD	TBD	TBD	25	\$2,400,000	\$3,400,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
84	Crum PSD	Wayne	Crum WTP Project	This project will construct a new WTP to serve Crum PSD's 1,345 customers and possibly provide water to the Town of Kernit (524 customers) and the Town of Fort Gay (625 customers). This is a possible consolidation project.	TBD	\$37.83	\$57.65	TBD	1.90	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,437	TBD	TBD	TBD	25	\$8,730,000	\$8,730,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
85	Marshall Co PSD No. 1	Marshall	Water System Upgrade Project Phase 1	This project will replace water lines, upgrade a booster station, and replace all water meters in the district. This project will upgrade water service to 45 customers from Fort Clark Dr. to Oakwood Dr. in Marshall County.	TBD	\$47.06	\$27.23	TBD	0.72	TBD	TBD	3,463	TBD	TBD	TBD	5	\$4,000,000	\$5,050,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
86	Buffalo Creek PSD	Logan	Larado WTP Upgrade Project	Plant upgrade project to replace worn components, construct backwash basin, sludge handling, and convert backwash tank to clearwell.	TBD	\$38.29	\$29.55	TBD	0.96	TBD	TBD	3,464	TBD	TBD	TBD	5	\$3,000,000	\$3,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
87	Buffalo Creek PSD	Logan	South Man Water Upgrade Project	Project will replace distribution system in South Man, increase size of the connect between the PSD and former Town of Man and replace deteriorated water lines in two other locations.	TBD	\$38.29	\$29.55	TBD	0.96	TBD	TBD	3,464	TBD	TBD	TBD	5	\$3,000,000	\$4,200,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
88	Logan, City of	Logan	WTP Improvements	This project consists of miscellaneous improvements to the existing City of Logan WTP.	TBD	\$30.95	\$22.33	TBD	0.90	TBD	TBD	3,788	TBD	TBD	TBD	5	\$5,000,000	\$6,100,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
89	Lashmer PSD (WVAWC)	Mercer	Brickyard Road Waterline Extension	This project will construct a water line extension into the Mercer Co. areas of Brickyard Rd. and a portion of Old Gardner Rd. in order to provide public water service and fire protection to the residents in these areas. This extension will allow for a future water line extension into the Rock Branch area.	2022W-2111	\$37.70	\$0.00	\$51.14	1.70	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,794	TBD	TBD	TBD	TBD	\$3,973,406	\$6,978,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
90	Lincoln PSD	Lincoln	Water System Upgrades	This project consists of removing and replacing approx. 35,000 lf of various sized existing lead jointed and transite water line throughout the water distribution system, preforming upgrades to the raw water intake and rehabilitation of two existing water storage tanks.	TBD	\$37.29	\$44.49	TBD	1.50	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,814	TBD	TBD	TBD	20	\$4,500,000	\$6,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
91	White Sulphur Springs, City of	Greenbrier	Mapledale Water Storage Tank	Project consists of upgrades to the existing booster station and construction of a new water storage tank and water line to improve water quality in the Town's distribution system.	TBD	\$31.63	\$33.63	TBD	1.33	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,845	TBD	TBD	TBD	10	\$1,100,000	\$1,100,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
92	White Sulphur Springs, City of	Greenbrier	Waterline Replacement Project	Project will replace old and deteriorated water lines in the cities water distribution system to alleviate leaks and water loss.	TBD	\$31.63	\$33.63	TBD	1.33	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,845	TBD	TBD	TBD	10	\$3,000,000	\$3,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
93	White Sulphur Springs, City of	Greenbrier	Water System Interconnection Project	Project will construct water lines, pump station and storage tank to allow for an emergency interconnection between White Sulphur Springs and Lewisburg.	TBD	\$31.63	\$33.63	TBD	1.33	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,845	TBD	TBD	TBD	10	\$3,000,000	\$3,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
94	White Sulphur Springs, City of	Greenbrier	WTP Improvements	Project consisting of upgrades to the existing water treatment plant to increase capacity and reduce run time.	TBD	\$31.63	\$33.63	TBD	1.33	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,845	TBD	TBD	TBD	10	\$3,000,000	\$3,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
95	Valley Falls PSD	Marion	Water System Replacements	This project includes replacement of approx. 91,000 lf of failing water line throughout the Valley Falls PSD's system.	TBD	\$44.96	\$47.28	TBD	1.31	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,991	TBD	TBD	TBD	15	\$8,600,000	\$8,600,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
96	Marshall Co PSD No. 4	Marshall	Water System Upgrades	This project includes replacement of undersized water lines, booster pump station upgrades, valve replacements, upgrades to PRVs and various other system improvements.	TBD	\$47.06	\$46.64	TBD	1.24	TBD	TBD	4,063	TBD	TBD	TBD	10	\$3,200,000	\$3,200,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
97	Marshall County PSD No.3	Marshall	Water System Improvements	This project includes removal and replacement of water lines in various areas of the system, rehabilitation of water storage tanks, water meter replacement, and installation of a new flood alarm monitoring system.	TBD	\$47.06	\$46.64	TBD	1.24	TBD	TBD	4,063	TBD	TBD	TBD	10	\$2,000,000	\$2,500,000	DWSRF Base Program/Supplemental Funding	Requesting earmark
98	Hughes River Water Board	Ritchie	WTP Upgrades	This project will replace the sand filter media, filter air piping, raw water pumps and electrical check valves. The project will also rehabilitate the intake wet well, install SCADA and add VFDs for the high service pumps.	TBD	\$39.20	TBD	TBD	TBD	TBD	TBD	4,278	TBD	TBD	TBD	TBD	\$1,100,000	\$2,200,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
99	Spencer, City of	Roane	Water System Improvements	Project includes installation of approx. 1,800 lf of 8" water line, repainting two storage tanks, and modifications to the raw water pumping stations.	TBD	\$23.39	\$44.92	TBD	2.40	Yes	0.5% Admin Waived, 40 yrs. Principal Forgiveness	4,393	TBD	TBD	TBD	30	\$1,000,000	\$1,970,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
100	New Haven PSD	Fayette	Lucas Road Extension	This project will extend public water service to approx. 33 customers along Lucas Rd. in northern Fayette county. The project will install 17,000 lf of 8" line and 11,000 lf of 6" line, 28 fire hydrants and all valves, meters, blowoffs and other appurtenances necessary.	TBD	\$37.81	\$57.94	\$57.94	1.81	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	4,409	TBD	TBD	TBD	25	\$1,750,000	\$3,491,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
101	New Haven PSD	Fayette	Old Gwinn Rd. Extension	This project will extend public water service to approx. 16 customers along Old Gwinn Rd. in northern Fayette county. The project will install 12,000 lf of 6" line, 8 fire hydrants and all valves, meters, blowoffs and other appurtenances necessary.	TBD	\$37.81	\$57.94	\$57.94	1.81	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	4,409	TBD	TBD	TBD	25	\$1,500,000	\$3,283,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
102	New Haven PSD	Fayette	Whispering Pines Extension	This project will extend public water service to approx. 6 customers along Whispering Pines Lane in northern Fayette county. The project will install 5,700 lf of 6" line, 5 fire hydrants and all valves, meters, blowoffs and other appurtenances necessary.	TBD	\$37.81	\$57.94	\$57.94	1.81	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	4,409	TBD	TBD	TBD	25	\$500,000	\$750,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
103	New Haven PSD	Fayette	White Road Extension	This project will extend public water service to approx. 62 customers along White Rd. in northern Fayette county. The project will install 22,800 lf of 8" line, 22,800 lf of 6" line, 22 fire hydrants and all valves, meters, blowoffs and other appurtenances necessary.	TBD	\$37.81	\$57.94	\$57.94	1.81	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	4,409	TBD	TBD	TBD	25	\$3,500,000	\$4,952,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.



**WEST VIRGINIA 22DWTRFA PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST**

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	JDIC NUMBER	1% PERCENT MH/	3400 CURRENT	3400 PROPOSED	AFFORDABILITY	DISADVANTAGED	DWTRF TERMS	NEW POPULATION	POINTS	HEALTH	COMPLIANCE	AFFORDABILITY	DWTRF FUNDING REQUESTED	TOTAL COST	DWTRF Eligible Funding Type	BYPASS RATIONALE
104	Wilderness PSD	Nicholas	Water System Improvements Phase II	Project includes water line replacements, cleaning and painting of water storage tanks, booster station upgrades, telemetry replacement and WTP improvements.	2021W-1995	\$40.80	\$42.38	TBD	1.30	Yes	1%, 0.25% Adm, 30 yrs, Principal Forfeiture	4,475	TBD	TBD	TBD	10	\$4,369,000	\$4,369,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
105	Logan County PSD	Logan	Greenville WTP Upgrade Project	This project will upgrade the WTP to increase capacity from 700 gpm to 1,400 gpm and replace several worn components. Project also includes a 600,000 storage tank.	TBD	\$38.29	\$41.05	TBD	1.34	Yes	1%, 0.25% Adm, 30 yrs, Principal Forfeiture	4,562	TBD	TBD	TBD	15	\$4,000,000	\$5,700,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
106	Huttonville PSD	Randolph	Meter Replacement	This project will replace 1,000 water meters throughout the system.	TBD	\$30.78	\$49.60	TBD	2.01	Yes	0.5% Adm, Waived, 40 yrs, Principal Forfeiture	4,863	TBD	TBD	TBD	30	\$300,000	\$300,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
107	Keyser, City of	Mineral	WTP and Water System Improvements	This project proposes to construct a new WTP or upgrade the current WTP in the City of Keyser. The City has recently seen Cryptosporidium violations that will require upgrades to the WTP. The project will also make improvements to the Old Orchard pump station and install telemetry pump stations and tank sites.	TBD	\$25.47	\$29.13	TBD	1.43	Yes	1%, 0.25% Adm, 30 yrs, Principal Forfeiture	5,202	TBD	TBD	TBD	15	\$2,000,000	\$10,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
108	Wayne, Town of	Wayne	Big Lynn Creek Water Extension Project	Water extension project to serve approx. 120 customers in the Big Lynn and Little Lynn Creek areas of Wayne county. Project would require a 100 gpm booster pump station and 140,000 gallon water storage tank.	TBD	\$18.29	\$33.86	TBD	2.31	Yes	0.5% Adm, Waived, 40 yrs, Principal Forfeiture	5,265	TBD	TBD	TBD	30	\$4,500,000	\$4,500,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
109	Red Sulphur PSD	Monroe	Water Line Replacement Project	The project consists of the replacement of approximately 13,400 linear feet (L.F.) of lead joint cast iron pipe installed in the 1930s. The project is expected to increase water accountability by replacing water line that has exceeded its useful life and is known to be a contributor of water loss in the RSPSD water distribution system.	TBD	\$34.46	\$30.69	TBD	1.00	TBD	TBD	5,352	TBD	TBD	TBD	10	\$4,975,300	\$4,975,300	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
110	Milton, City of	Cabell	WTP Disinfection System Upgrade	This project includes design and construction of an ultraviolet disinfection system at the water treatment plant to address cryptosporidium.	TBD	\$36.98	\$33.10	TBD	1.12	TBD	TBD	5,520	TBD	TBD	TBD	10	\$500,000	\$500,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
111	Milton, City of	Cabell	WTP Upgrades	Improvements to the WTP including a new preoxidation basin, new pressure filters, sludge handling upgrades and upgrades to the electrical system.	TBD	\$36.98	\$33.10	TBD	1.12	TBD	TBD	5,520	TBD	TBD	TBD	10	\$5,000,000	\$7,800,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
112	Mingo County PSD	Wyoming	Rockhouse Branch-Western Wyoming Ph 5	Water extension project to serve approx. 63 residences and businesses in the Rockhouse Branch Lincoln area of western Wyoming County. Project would be supplied by the 150 gpm booster pump station and 400,000 gallon water storage tank constructed as part of the Hanover Ph 1 project.	TBD	\$35.14	\$42.40	TBD	1.51	Yes	1%, 0.25% Adm, 30 yrs, Principal Forfeiture	6,324	TBD	TBD	TBD	20	\$3,000,000	\$3,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
113	Mingo County PSD	Wyoming	Bees Fork-Western Wyoming Ph 4 Project	This project will extend public water service to approx. 192 residences and businesses in the Bees Fork/Murder Creek area of western Wyoming County. Project will utilize 80 gpm booster pump station and 100,000 gallon water storage tank constructed as part of the Hanover Ph 1 project.	TBD	\$35.14	\$42.40	TBD	1.51	Yes	1%, 0.25% Adm, 30 yrs, Principal Forfeiture	6,324	TBD	TBD	TBD	20	\$5,300,000	\$5,300,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
114	Mingo County PSD	Wyoming	North Spring-Western Wyoming Ph 3	Water extension project to serve approx. 102 residences and businesses in the North Spring/Little Cab branch area of western Wyoming County. Project would be supplied by the 150 gpm booster pump station and 400,000 gallon water storage tank constructed as part of the Hanover Ph 1 project.	TBD	\$35.14	\$42.40	TBD	1.51	Yes	1%, 0.25% Adm, 30 yrs, Principal Forfeiture	6,324	TBD	TBD	TBD	20	\$4,100,000	\$4,100,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
115	Mingo County PSD	Wyoming	Hanover-Western Wyoming Ph 1	Water extension project to serve approx. 214 residences and businesses, the Huff Consolidated Middle School and the US Army Corps facility western Wyoming County. Project would require a 150 gpm booster pump station and 400,000 gallon water storage tank.	TBD	\$35.14	\$42.40	TBD	1.51	Yes	1%, 0.25% Adm, 30 yrs, Principal Forfeiture	6,324	TBD	TBD	TBD	20	\$6,800,000	\$7,800,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
116	Mingo County PSD	Wyoming	Little Huff/Creek-Western Wyoming Ph 2	Water extension project to serve approx. 223 residences and businesses in the Little Huff/Creek area of western Wyoming County. Project would be supplied by the 150 gpm booster pump station and 400,000 gallon water storage tank constructed as part of the Hanover Ph 1 project.	TBD	\$35.14	\$42.40	TBD	1.51	Yes	1%, 0.25% Adm, 30 yrs, Principal Forfeiture	6,324	TBD	TBD	TBD	20	\$5,500,000	\$5,500,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
117	Grafton, City of	Taylor	Water System Improvements	This project will replace aging and failing water lines throughout the City. The project also proposes to replace the existing underground water storage tank with an above ground water storage tank.	TBD	\$36.29	\$25.77	TBD	0.89	TBD	TBD	6,577	TBD	TBD	TBD	5	\$2,000,000	\$4,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
118	Kingwood Water Works	Preston	Ph II Water System Improvements	Line replacement upgrades and improvements to the distribution system as well as various upgrades to the WTP such as raw water intake improvements and clarifier modifications.	2022W-2078	\$46.76	\$40.70	TBD	1.09	TBD	TBD	6,656	TBD	TBD	TBD	TBD	\$4,600,000	\$4,600,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
119	Kingwood Water Works	Preston	Vista View Water Line Extension	Water line extension project to serve the Vista View Community along CR 52 and CR 52/3. This project includes approx. 7 miles of 6 through 2 inchwater lines, one booster station, two pressure reducing stations, and associated appurtenances.	TBD	\$46.76	\$40.70	TBD	1.09	TBD	TBD	6,656	TBD	TBD	TBD	10	\$4,300,000	\$4,300,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
120	Frankfort PSD	Mineral	Water System Rehabilitation Project	This project consists of various rehabilitations to the water system.	TBD	\$33.11	\$38.24	TBD	1.44	Yes	1%, 0.25% Adm, 30 yrs, Principal Forfeiture	6,747	TBD	TBD	TBD	10	\$466,690	\$736,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
121	Raleigh County PSD	Raleigh	Storage and Distribution Upgrade	This project includes approx. 6 miles of various size water line replacement, approx. 4 miles of various size new water line installation, repairing 6 water storage tanks, replacing 2 existing water storage tanks and appurtenances.	TBD	\$42.74	\$33.08	TBD	0.97	TBD	TBD	7,180	TBD	TBD	TBD	5	\$11,000,000	\$11,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
122	Preston County PSD No. 4	Preston	WTP Expansion	This project will add an additional 1.5 MGD of capacity to the existing WTP, drill and develop additional raw water source wells, and add storage tanks.	TBD	\$46.94	\$29.24	TBD	0.78	TBD	TBD	8,721	TBD	TBD	TBD	5	\$10,000,000	\$15,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
123	Logan County PSD	Logan	Justice Addition-Mitchell Heights Water Project	This project will extend water service to approx. 380 customers in the communities of Justice Addition and Mitchell Heights in Logan County. Project includes water lines and a booster station.	TBD	\$38.29	\$41.05	TBD	1.34	Yes	1%, 0.25% Adm, 30 yrs, Principal Forfeiture	16,949	TBD	TBD	TBD	15	\$3,000,000	\$4,000,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
124	Logan County PSD	Logan	Big Ugly Water Project-Ph I	This project will extend public water service to approx. 65 customers in the Big Ugly Rd. and Ridgeview areas in Boone and Logan counties. Project will include water lines, 2 booster stations and 2 storage tanks.	TBD	\$38.29	\$41.05	TBD	1.34	Yes	1%, 0.25% Adm, 30 yrs, Principal Forfeiture	16,949	TBD	TBD	TBD	15	\$2,500,000	\$3,300,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
125	Logan County PSD	Logan	Island Creek Water Project	This project will extend public water service to approx. 1,090 customers in multiple communities along Island Creek in Logan County. Project will include water lines, hydrants, valves, and other necessary appurtenances.	TBD	\$38.29	\$41.05	TBD	1.34	Yes	1%, 0.25% Adm, 30 yrs, Principal Forfeiture	16,949	TBD	TBD	TBD	15	\$14,000,000	\$17,500,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
126	Logan County PSD	Logan	Stollings/McConnell Water Project	This project will extend public water service to approx. 135 customers in the communities of Stollings and McConnell in Logan County. The project includes water lines and a booster station.	TBD	\$38.29	\$41.05	TBD	1.34	Yes	1%, 0.25% Adm, 30 yrs, Principal Forfeiture	16,949	TBD	TBD	TBD	15	\$2,000,000	\$3,400,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
127	Logan County PSD	Logan	Northern Regional WTP Upgrade Project	This project will upgrade the WTP to increase capacity from 2,800 gpm to 5,600 gpm and replace several worn components. Project also includes a 800,000 storage tank.	2021W-2056	\$38.29	\$41.05	TBD	1.34	Yes	1%, 0.25% Adm, 30 yrs, Principal Forfeiture	16,949	TBD	TBD	TBD	15	\$7,000,000	\$8,700,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.

WEST VIRGINIA 22DWTRFA PROJECT PRIORITY LIST (PPL) COMPREHENSIVE LIST

RANKING	SYSTEM	COUNTY	PROJECT NAME	PROJECT DESCRIPTION	LIDC NUMBER	1% PERCENT MHI	3400 CURRENT	3400 PROPOSED	AFFORDABILITY	DISADVANTAGED	DWTRF TERMS	NEW POPULATION	POINTS	HEALTH	COMPLIANCE	AFFORDABILITY	DWTRF FUNDING REQUESTED	TOTAL COST	DWTRF Eligible Funding Type	BYPASS RATIONALE
128	Clarksburg Water Board	Harrison	Main Line Replacement	Project to replace selected water mains throughout the distribution system.	2021W-2054	\$38.58	\$26.28	TBD	TBD	Yes	TBD	17,686	TBD	TBD	TBD	5	\$24,120,000	\$24,120,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
129	Boone County PSD	Boone	Rock Creek Water Line Ext. Phase 1	This project will extend water service to the Rock Creek Development Park site and surrounding areas. The project will consist of the installation of approximately 14,500 LF of 8" water line, one (1) booster station and a 250,000-gallon water storage tank with valves and telemetry.	2020W-1868	\$41.62	\$57.94	\$57.94	1.74	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	20,000	TBD	TBD	0	TBD	\$600,000	\$3,400,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
130	Berkeley County PSD	Berkeley	River WTP Expansion	This project will expand capacity at the WTP from 6 MGD to 10 MGD. The plant is quickly approaching the capacity of the current WTP.	TBD	\$57.54	\$33.29	TBD	0.72	No	2.5%, 0.25% Admin, 30 years	27,335	TBD	TBD	TBD	5	\$20,000,000	\$20,000,000	DWSRF Base Program/Supplemental Funding	Requesting earmark
131	Berkeley County PSD	Berkeley	Pheasant Water Main Replacement	This project will replace approx. 20,000 lf of water mains. The water mains are undersized and in poor condition.	TBD	\$57.54	\$33.29	TBD	0.72	No	2.5%, 0.25% Admin, 30 years	27,335	TBD	TBD	TBD	5	\$7,500,000	\$7,500,000	DWSRF Base Program/Supplemental Funding	Requesting earmark
132	Berkeley County PSD	Berkeley	Bunker Hill WTP	This project will construct a new WTP with an increased capacity. The District is experiencing significant growth and many of the facilities are undersized, antiquated and unable to support the continued growth in the area.	TBD	\$57.54	\$33.29	TBD	0.72	No	2.5%, 0.25% Admin, 30 years	34,586	TBD	TBD	TBD	5	\$35,000,000	\$35,000,000	DWSRF Base Program/Supplemental Funding	Requesting earmark
133	Berkeley County PSD	Berkeley	Bunker Hill Water Main Replacement	This project will update and replace water mains in the immediate area of the new Bunker Hill WTP. The District is experiencing significant growth and many of the facilities are undersized, antiquated and unable to support the continued growth in the area.	TBD	\$57.54	\$33.29	TBD	0.72	No	2.5%, 0.25% Admin, 30 years	34,586	TBD	TBD	TBD	5	\$3,500,000	\$3,500,000	DWSRF Base Program/Supplemental Funding	Requesting earmark
134	Berkeley County PSD	Berkeley	Industrial Zone Storage Upgrades	This project will construct a new storage tanks and water mains in the industrial zone area. The District is providing water service to many industrial and commercial companies with little to no redundancy in the storage tanks or water mains.	TBD	\$57.54	\$33.29	TBD	0.72	No	2.5%, 0.25% Admin, 30 years	34,586	TBD	TBD	TBD	5	\$9,500,000	\$9,500,000	DWSRF Base Program/Supplemental Funding	Requesting earmark
135	Mercer County PSD	Mercer	Pocahontas Water Line Replacement	Project includes replacement and upgrade of existing water lines to significantly reduce water loss and allow for the installation of fire hydrants in the area.	TBD	\$37.70	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	\$4,059,500	\$8,119,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
136	McDowell County PSD	McDowell	Elkhorn Ph IV	This is the final phase of the Elkhorn Creek water projects. This water project will provide public water service to approx. 375 customers from Keystone to Welch and remove antiquated and unreliable water systems along the route.	TBD	\$28.83	\$53.72	TBD	2.33	Yes	0.5% Admin, Waived, 30 yrs, Principal Forgiveness	TBD	TBD	TBD	TBD	30	\$5,610,000	\$5,610,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
137	McDowell County PSD	McDowell	Jolo Ph V	This is the final phase of the Jolo water projects providing water service from the Town of Franklin the Virginia state line. This water project will provide public water service to 119 potential customers throughout four areas known as Rockledge, Panther Creek, Barker Ridge and Lee.	TBD	\$28.83	TBD	\$53.72	2.33	Yes	0.5% Admin, Waived, 30 yrs, Principal Forgiveness	TBD	TBD	TBD	TBD	30	\$4,253,000	\$4,253,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
138	McDowell County PSD	McDowell	Anasalt Water System Upgrade	This project will replace antiquated and problematic water storage and distribution systems throughout the communities of Anasalt, Luckie, and Jenkins/Ten. The project will provide public water service to approx. 423 customers.	TBD	\$28.83	TBD	\$53.72	2.33	Yes	0.5% Admin, Waived, 30 yrs, Principal Forgiveness	TBD	TBD	TBD	TBD	30	\$11,640,000	\$11,640,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
139	McDowell County PSD	McDowell	Bridge St. Stream Crossing Project	Proposed project to replace problematic water line stream crossing to provide reliable water and fire protection service to three residential and one commercial customer in the community of Excelsior.	TBD	\$28.83	TBD	\$53.72	2.33	Yes	0.5% Admin, Waived, 30 yrs, Principal Forgiveness	TBD	TBD	TBD	TBD	30	\$255,000	\$255,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
140	Triadelphia, Town of	Ohio	Water System Improvements	This project will include various improvements to the WTP and the distribution system.	TBD	\$30.27	\$45.69	TBD	1.88	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	1,215	TBD	TBD	TBD	25	\$4,010,000	\$4,510,000	DWSRF Base Program/Supplemental Funding	Project design has not started and is not ready for construction.
1	Parkersburg Utility Board	Wood	WTP PFAS Upgrades	This project will upgrade the water treatment plant to remove PFAS from the source water.	TBD	\$33.21	\$32.26	TBD	1.21	Yes	1%, 0.25% Admin, 30 years, Principal Forgiveness	38,189	TBD	TBD	TBD	10	\$12,000,000	\$12,000,000	DWSRF Emerging Contaminant Funding	Project will be funded.
2	Glen Dale, City of	Marshall	PFAS Filtration Upgrade	Project includes installation of granulated activated carbon filtration with all necessary piping and equipment.	TBD	\$54.44	\$28.80	TBD	0.66	No	TBD	2,495	TBD	TBD	TBD	5	\$2,500,000	\$2,500,000	DWSRF Emerging Contaminant Funding	Project design has not started and is not ready for construction.
1	Clarksburg Water Board	Harrison	Lead Service Line Replacement	Project to replace lead service lines throughout the distribution system.	2021W-2054	\$38.58	\$26.28	TBD	TBD	Yes	0% Admin, Waived, 30 yrs, Principal Forgiveness	17,686	75	50	20	5	\$27,025,000	\$27,025,000	Lead Service Line Replacement Funding	Project will be funded.
2	Davy, Town of	McDowell	Lead Service Line Inventory	The project consists of the development of a lead service line inventory and GIS compatible surveying and mapping.	TBD	\$24.65	\$40.80	\$40.80	2.07	Yes	Principal Forgiveness	552	70	30	10	30	\$500,000	\$500,000	Lead Service Line Replacement Funding	Project will be funded.
3	Richwood, City of	Nicholas	Lead Service Line Inventory	The project includes the engineering services necessary to conduct an inventory of lead services and prepare engineering plans for the removal of lead service lines and joints in the City's water distribution system.	TBD	\$28.37	\$45.47	TBD	2.00	Yes	Principal Forgiveness	1,095	70	30	10	30	\$500,000	\$500,000	Lead Service Line Replacement Funding	Project will be funded.
4	Alderson, Town of	Greenbrier	Lead Service Line Replacement	Replace lead service lines throughout the distribution system.	2019W-1833	\$25.68	\$38.58	\$58.49	2.85	Yes	Principal Forgiveness	2,458	70	30	10	30	\$615,000	\$615,000	Lead Service Line Replacement Funding	Project will be funded.
5	Pineville Municipal Waterworks	Wyoming	Lead Service Line Inventory	The project includes the engineering services necessary to conduct an inventory of lead services and prepare engineering plans for the removal of lead service lines in the systems water distribution system.	TBD	\$35.14	\$45.00	\$63.46	2.26	Yes	Principal Forgiveness	2,945	70	30	10	30	\$250,000	\$250,000	Lead Service Line Replacement Funding	Project will be funded.
6	Rainelle, Town of	Greenbrier	Lead Service Line Inventory	The project consists of the development of a lead service line inventory and GIS compatible surveying and mapping.	TBD	\$26.04	\$29.75	TBD	1.43	Yes	Principal Forgiveness	1,381	55	30	10	15	\$500,000	\$500,000	Lead Service Line Replacement Funding	Project will be funded.
7	Gary, City of	McDowell	Lead Service Line Inventory	This project includes the engineering services necessary to conduct an inventory of lead services and prepare engineering plans for the removal of lead service lines in the City's distribution system.	TBD	\$32.98	\$33.15	\$33.15	1.26	Yes	Principal Forgiveness	1,633	55	30	10	15	\$500,000	\$500,000	Lead Service Line Replacement Funding	Project will be funded.
8	Oldland PSD	Hancock	Lead Service Line Replacement	This project includes development of a lead service line inventory and replacing lead service lines throughout the distribution system.	TBD	\$41.62	\$47.02	TBD	1.41	Yes	Principal Forgiveness	1,846	55	30	10	15	TBD	TBD	Lead Service Line Replacement Funding	Project will be funded.
9	Welch, City of	McDowell	Lead Service Line Inventory	The project includes the engineering services necessary to conduct an inventory of lead services and prepare engineering plans for the removal of lead service lines and joints in the City's water distribution system.	TBD	\$29.28	\$33.55	TBD	1.43	Yes	Principal Forgiveness	2,907	55	30	10	15	\$500,000	\$500,000	Lead Service Line Replacement Funding	Project will be funded.
10	Mount Hope Water Assoc.	Upshur	Lead Service Line Inventory	Project to determine the service line material used from the meter to the customers structure.	TBD	\$42.01	\$40.44	TBD	1.20	No	TBD	2,870	50	30	10	10	\$200,000	\$200,000	Lead Service Line Replacement Funding	TBD
11	Athens, Town of	Mercer	Lead Service Line Inventory	Project to perform an inventory of lead service line in the system. Included in this inventory will also be a proposed plan for replacement of the lines and modified sampling locations according to what is discovered.	TBD	\$34.94	\$28.80	TBD	1.03	TBD	TBD	4802	50	30	10	10	\$25,000	\$25,000	Lead Service Line Replacement Funding	TBD
12	Red Sulphur PSD	Monroe	Service Line Replacement Project	The project consists of the development of a lead service line inventory and GIS compatible surveying and mapping and the anticipated replacement of approx. 5,000 lf of lead service line replacement from the main to the home.	TBD	\$34.46	\$30.69	TBD	1.00	TBD	0% Admin, Waived, 30 yrs.	5,352	50	30	10	10	\$2,277,600	\$2,277,600	Lead Service Line Replacement Funding	Project design has not started and is not ready for construction.
13	Summersville, City of	Nicholas	Lead Service Line Inventory	This project includes the engineering services necessary to conduct an inventory of lead services and prepare engineering plans for the removal of lead service lines in the City's distribution system.	TBD	\$36.38	\$30.56	TBD	1.05	No	TBD	5,574	50	30	10	10	\$500,000	\$500,000	Lead Service Line Replacement Funding	TBD
14	Kingswood Water Works	Preston	Lead Service Line Replacement	Project includes removal and replacement of existing lead service lines in the downtown system.	TBD	\$46.76	\$40.70	TBD	1.09	TBD	TBD	6,656	50	30	10	10	\$500,000	\$500,000	Lead Service Line Replacement Funding	TBD
15	McMechen, City of	Marshall	Lead Service Line Inventory	Project to inventory the service lines throughout the City. Project will identify the lead pipes in order to determine the scope of a replacement project.	TBD	\$42.71	\$32.32	TBD	0.95	No	TBD	2,212	45	30	10	5	TBD	TBD	Lead Service Line Replacement Funding	TBD

## **ATTACHMENT 3**

### **Funding List Detailed Description With**

- Green Project Reserve**
- Additional Subsidization**

**2022 Funding List Detailed Description-Base, Supplemental, Lead Service Line Replacement, and Emerging Contaminants Program**

RANKING	SYSTEM	PROJECT DESCRIPTION	DWTRF TERMS	POPULATION	ESTIMATED DATE OF CONSTRUCTION	GREEN PROJECT DESIGNATION	GREEN PROJECT RESERVE	DWTRF ASSISTANCE FROM BASE GRANT	DWTRF PRINCIPAL FORGIVENESS FROM BASE GRANT	DWTRF ASSISTANCE FROM SUPPLEMENTAL GRANT	DWTRF PRINCIPAL FORGIVENESS FROM SUPPLEMENTAL GRANT	DWTRF PRINCIPAL FORGIVENESS FROM EMERGING CONT. GRANT	DWTRF ASSISTANCE FROM LSLR GRANT	DWTRF PRINCIPAL FORGIVENESS FROM LSLR GRANT	TOTAL DWTRF ASSISTANCE	TOTAL PROJECT COST
1	Fairview, Town of	This preliminary application is to make improvements the Town of Fairview's water distribution system and to connect to the Monumental PSD's water system. Phase I will primarily consist of the installation of approximately 3,500 LF of 6" water line, a PRV Station, a duplex booster station with telemetry and emergency generator, refurbish existing water storage tank, upgrade access roads to existing water storage tanks, upgrade telemetry to existing water storage tanks, demolish old tank at water treatment plant, decommission existing water treatment plant, a new office building, replace existing manual read meters, and connect to the Monumental PSD water system.	0.5%, Admin. Waived, 30 yrs., Principal Forgiveness	979	Design Loan Only	N/A	\$0	\$233,000	\$233,000						\$233,000	\$3,179,430
2	Pineville Municipal Waterworks	The proposed project consists of a new 8-inch line that will extend along WV Route 97 to Baileysville Elementary School from the end of the existing 8-inch line near Wyoming. Also there will be 6-inch lines extending from Route 97 along Lanes Branch Road and Doublecamp Branch Road for approximately 0.53 miles and 0.94 miles, respectively. This alternative will also feature one 150,000-gallon water storage tank	0.5%, Admin. Waived, 40 yrs., Principal Forgiveness	2,945	Jul-23	N/A	\$0			\$1,912,371	\$1,000,000				\$1,912,371	\$9,498,871
3	Wardensville, Town of	This project is to replace the fire hydrants and water meters in the distribution system; replace the Warden Acres water storage tank with a 330,000 gallon tank and the Anderson Ridge water storage tank with a 304,000 gallon tank; drill a new water well at the Town of Wardensville water treatment plant site; add a SCADA system; and upgrade/rehabilitate the existing Town of Wardensville's water treatment plant with major work to consist of upgrade the electrical service, upgrade the chlorine room, upgrade mechanical piping, and add a generator.	1%, 0.25% Admin, 30 years, Principal Forgiveness	788	Jul-23	N/A	\$0			\$2,421,000	\$1,000,000				\$2,421,000	\$3,124,477
4	Fairview, Town of	This project is the Town's Phase II and will replace 11,000 ft of old water mains, install 14 new valves and 5 fire hydrants in order to reduce significant water loss.	Principal Forgiveness	979	Design Loan Only	N/A	\$0	\$172,000	\$172,000						\$172,000	\$2,175,000
6	McDowell County PSD	The proposed project will construct a new water treatment plant to serve 220 customers and will allow 3 old treatment plants (Greenbrier, Ashland, and Crumpler) to be retired in the area. Also included in the project will be a 50 GPM booster station, (2) 100,000-gallon water storage tanks, approximately 60,645 linear feet of 8-inch and smaller waterline, 24 fire hydrants, and all other necessary valves and appurtenances.	Principal Forgiveness	528	Jun-23	N/A	\$0	\$856,500	\$856,500						\$856,500	\$7,513,000
7	Town of Franklin	The proposed project consists of: 8" directional drill river crossing, upgrades at the Hanover Storage Tank, replacement of the altitude valve, and upgrades to the Merton Storage Tank. At the water treatment plant work includes; upgrade secondary water source, replace backwash pump, upgrade backwash tank, upgrade plant instrumentation, upgrade plant building, and upgrade sediment basin. Installation of two 40,000 gallon clear well tanks, new automation, VFD's on pump motors, new automatic transfer switch, and replace the plant emergency generator.	1%, 0.25% Admin, 30 years, Principal Forgiveness	1,702	Oct-22	N/A	\$0			\$2,272,318	\$500,000				\$2,272,318	\$3,472,318
8	Chestnut Ridge PSD	This project will make improvements to the PSD's water distribution system, including water line and valve replacement, upgrading booster stations, replacing water meters and upgrades to the SCADA and telemetry systems.	0.5%, 40 years, Principal Forgiveness	2,643	Oct-22	N/A	\$0	\$1,902,500							\$1,902,500	\$5,300,000
11	Richwood, City of	The proposed project will replace the raw water intake impoundment that helps to regulate the water level around the water treatment plant's raw water intake. Included in this project will be building a new surface water intake impoundment structure, demolition and removal of the existing impound infrastructure, installation of a catwalk with manual gate, construction of a new intake screening structure, approximately 200 LF of 12" mains, 300 LF of 2" air line and site electric with equipment for an air compressor building, and various reclamation of disturbed areas.	0.5%, Admin. Waived, 30 yrs., Principal Forgiveness	1,095	Oct-22	N/A	\$0			\$700,000	\$200,000				\$700,000	\$2,000,000
12	Pennsboro, City of	The proposed project plans to replace the existing 434,000 gallon Industrial Park Tank with a new like-sized tank and to rehabilitate the Park Drive and Broadwater Water Storage Tanks. Also included will be the replacement of almost 1.14 miles of mostly 8-inch watermains with a small portion being 2-inch and 6-inch. All necessary valves and appurtenances will be included as well as the demolition and site preparation for the new tank.	Principal Forgiveness	1,291	Jun-23	N/A	\$0			\$500,000	\$500,000				\$500,000	\$2,112,000
13	Alderson, Town of	This preliminary application is for the Town of Alderson to extend water service to the Riverside Rest area and to repair/replace various parts of the water distribution system and water treatment facilities.	0.5%, Admin. Waived, 40 yrs., Principal Forgiveness	2,458	Jul-23	N/A	\$0			\$4,661,258	\$2,699,000				\$4,661,258	\$9,013,000
14	Oceana, Town of	Phase 2 of a water system upgrade project for the Town of Oceana and the surrounding area. Project includes replacing Lynco water storage tank, water plant upgrades, telemetry upgrades, replacing water meters, booster station upgrades, and upgrading existing water lines along Rt 10, Rt 85, Popular St. and Chestnut St.	1%, 0.25% Admin, 30 years, Principal Forgiveness	3,797	Jul-23	N/A	\$0			\$952,538	\$952,538				\$952,538	\$5,000,000
16	Lincoln PSD	This project will replace the Lincoln PSD's Alum Creek Water Storage Tank with a new 300,000 gallon tank.	Principal Forgiveness	2,473	Jun-23	N/A	\$0			\$250,000	\$250,000				\$250,000	\$1,000,000
17	Cairo, Town of	This project will make improvements to the Town of Cairo water distribution system. The project will consist of the 190 new water meters, replacement of 20 valves, replace the existing PRV station, clean and refurbish the existing 214,000 gallon storage tank, replace a river crossing, stabilize a river bank, replace 12 fire hydrants, install 12 fire hydrants, replace approximately 2.5 miles (13,400 LF) of 6" and 2" water line, and replace approximately 1.1 miles (6,000 LF) of 3/4" water line.	1%, 0.25% Admin, 30 years, Principal Forgiveness	406	Jul-23	N/A	\$0			\$500,000	\$500,000				\$500,000	\$4,000,000

18	Town of Worthington	The project will make upgrades to the Town's distribution system and will include an interconnection between Four States and Monongah. The project also includes a water line extension to the Harter Hill area that will serve five (5) new customers. The project will consist of the installation of approximately 18,900 LF of 6" and 18,000 LF of 2" water line; 10,000 LF of 3/4" service line replacement; 28 valves; two (2) PRV Stations; 12 fire hydrants; two (2) solenoid master meters; 13 leak detection meters; 465 radio read meters; all necessary piping, valves and appurtenances.	1%, 0.25% Admin, 30 years, Principal Forgiveness	1,099	Oct-22	N/A	\$0			\$2,299,200	\$500,000				\$2,299,200	\$3,366,390
35	New Haven PSD	Water line extension to Sunday Rd./Confluence/Elliott Cutoff area, including possible Stringtown connector & Clifty connector. Approximately 67 new customers.	1%, 0.25% Admin, 30 years, Principal Forgiveness	4,409		N/A	\$0			\$376,942	\$376,942				\$376,942	\$2,933,635
36	New Haven PSD	Water line extension to Cane Branch, Ramsey, Hawver Rd., South Miller Ridge, Arrowwood Rd., Dotson Ridge & Lower Dotson Ridge, Whispering Pines. Approximately 73 new customers.	1%, 0.25% Admin, 30 years, Principal Forgiveness	4,438		N/A	\$0			\$752,241	\$337,600				\$752,241	\$4,841,686
39	Lashmeet PSD	Extension of public water to the Mary Branch area of Mercer County, West Virginia. 4 miles. Approximately 42 new customers.	1%, 0.25% Admin, 30 years, Principal Forgiveness	3794	Oct-22	N/A	\$0	\$1,065,168	\$214,753						\$1,065,168	\$2,146,050
42	Craigsville PSD	This project will upgrade the existing water treatment plant to 900 gpm and installing a dedicated waterline from the water treatment plant to existing elevated water storage tanks. The project will consist of a new raw water intake screen and hydroburst system, raw water pump station, flocculator, sedimentation basin, filter equipment, backwash solids pump station, chemical feed system, painting four (4) existing water tanks, approximately 4 miles of 10" water line, and all necessary appurtenances.	1%, 0.25% Admin, 30 years, Principal Forgiveness	1813	Feb-23	N/A	\$0	\$2,007,952	\$400,000						\$2,007,952	\$11,100,000
1	Parkersburg Utility Board	This project will upgrade the water treatment plant to remove PFAS from the source water.	1%, 0.25% Admin, 30 years, Principal Forgiveness	38,189	Jul-23	N/A	\$0					\$7,403,900			\$7,403,900	\$12,000,000
1	Clarksburg Water Board	Project to replace lead service lines throughout the distribution system.	0% Admin, Waived, 30 yrs., Principal Forgiveness	17,686	Jul-23	N/A	\$0						\$20,757,017	\$10,276,500	\$20,757,017	\$27,025,000
2	Davy, Town of	The project consists of the development of a lead service line inventory and GIS compatible surveying and mapping.	Principal Forgiveness	552	Mar-23	N/A	\$0						\$500,000	\$500,000	\$500,000	\$500,000
3	Richwood, City of	The project includes the engineering services necessary to conduct an inventory of lead services and prepare engineering plans for the removal of lead service lines and joints in the City's water distribution system.	Principal Forgiveness	1,095	Mar-23	N/A	\$0						\$500,000	\$500,000	\$500,000	\$500,000
4	Alderson, Town of	Replace lead service lines throughout the distribution system.	Principal Forgiveness	2,458		N/A	\$0						\$615,000	\$615,000	\$615,000	\$615,000
5	Pineville Municipal Waterworks	The project includes the engineering services necessary to conduct an inventory of lead services and prepare engineering plans for the removal of lead service lines in the systems water distribution system.	Principal Forgiveness	2,945	Mar-23	N/A	\$0						\$250,000	\$250,000	\$250,000	\$250,000
6	Rainelle, Town of	The project consists of the development of a lead service line inventory and GIS compatible surveying and mapping.	Principal Forgiveness	1,381	Mar-23	N/A	\$0						\$500,000	\$500,000	\$500,000	\$500,000
7	Gary, City of	This project includes the engineering services necessary to conduct an inventory of lead services and prepare engineering plans for the removal of lead service lines in the City's distribution system.	Principal Forgiveness	1,633	Mar-23	N/A	\$0						\$500,000	\$500,000	\$500,000	\$500,000
8	Oakland PSD	This project includes development of a lead service line inventory and replacing lead service lines throughout the distribution system.	Principal Forgiveness	1,846	Mar-23	N/A	\$0						\$250,000	\$250,000	\$250,000	\$250,000
9	Welch, City of	The project includes the engineering services necessary to conduct an inventory of lead services and prepare engineering plans for the removal of lead service lines and joints in the City's water distribution system.	Principal Forgiveness	2,907	March-23	N/A	\$0						\$500,000	\$500,000	\$500,000	\$500,000
10	Mount Hope Water Assoc.	Project to determine the service line material used from the meter to the customers structure.	TBD	2,870	March-23	N/A	\$0						\$200,000		\$200,000	\$200,000
<b>Total</b>							<b>\$0</b>	<b>\$6,237,120</b>	<b>\$1,876,253</b>	<b>\$17,597,868</b>	<b>\$8,816,080</b>	<b>\$7,403,900</b>	<b>\$24,572,017</b>	<b>\$13,891,500</b>	<b>\$55,810,905</b>	<b>\$124,615,857</b>

2022 Total Base Capitalization Grant Amount: \$7,008,000  
 2022 Total DWSRF Supplemental Grant: \$17,992,000  
 2022 Total DWSRF Lead Service Line Replacement Grant: \$28,350,000  
 2022 Total DWSRF Emerging Contaminant Grant: \$7,555,000

<b>\$0</b> No Green Project Reserve Required	<b>\$6,237,120</b> Construction Total	<b>\$1,876,253</b> 26% Minimum Principal Forgiveness Required	<b>\$17,689,232</b> Construction Total	<b>\$8,816,080</b> 49% Principal Forgiveness Required	<b>\$7,403,900</b> 100% Principal Forgiveness Required	<b>\$24,572,017</b> Construction Total	<b>\$13,891,500</b> 49% Principal Forgiveness Required	<b>\$55,902,269</b> Total Amount of Grant Construction Funds Available*
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**ATTACHMENT 4**  
**Public Comment Process/Response**

**JULY 1, 2022 – JUNE 30, 2023**  
**INTENDED USE PLAN**  
**PUBLIC COMMENT PROCESS**

The public comment for this IUP occurred during the period of June 3, 2022 through July 9, 2022. OEHS posted the IUP on the website and made it available at all district offices and the central office. The draft IUP was sent to key stakeholders for comment. A public notice was published in the West Virginia Register (State Register) on June 3, 2022 concerning the web posting and public comment period. A public meeting was held on July 1, 2022 in the OEHS central office to receive public comments.

Key Comments/Revisions during the Public Comment Period:

1. No one attended the public meeting resulting in no comments during the meeting.
2. Written comments were received from West Virginia Rivers.

Response to Disadvantaged Community Suggestion: The West Virginia DWTRF program has for the first time in many years expanded the disadvantaged community's criterion. Under the new eligibilities a majority of the state now qualifies for disadvantaged assistance with our program. The DWTRF program has no further intentions of expanding the disadvantaged eligibilities at this time.

Response to Assisting Disadvantaged Community to Meet the Requirements to Receive DWTRF Funding: The West Virginia DWTRF program currently works with RCAP and WV Rural Water to identify and provide additional support in identifying and assisting such systems.

Response to Refining the Project Priority Ranking System: The West Virginia DWTRF program did an extensive solicitation process for PFAS/PFOA projects this year. The plan is to keep up this solicitation to help as many systems as possible. The recommendation to add PFAS/PFOA contamination to the PPL list will be taken under consideration as will be how best to fund these projects with the funding available at the time.