

Virginia's
Drinking Water State Revolving Fund Program

Intended Use Plan for FY 2004

DRAFT

The federal Safe Drinking Water Act Amendments of 1996 (P.L.104 -182), referred to as SDWA, established a Drinking Water State Revolving Fund (DWSRF) Program. Funds for the DWSRF Program are awarded to eligible states through a capitalization grant.

The Virginia Department of Health (VDH) has had primary enforcement responsibility, primacy, for SDWA since 1977. Therefore, VDH has been designated as the agency to apply for and administer the capitalization grant for the DWSRF Program and the associated state funds.

The development of an annual Intended Use Plan (IUP) is a required part of the application (§1452 (b) of the SDWA) for a capitalization grant. An IUP must describe how the capitalization grant will be expended, including all set-aside and construction funds. This IUP undergoes public comment.

Funds awarded to a state through a capitalization grant are categorized into two uses: (i) non-project funds or set-asides and (ii) project funds, which are utilized for construction at public drinking water systems (waterworks). Set-aside funds enhance the ability of the state and owners of waterworks to ensure a waterworks' long-term capacity to produce safe drinking water and to protect construction loan investments. Construction funds for waterworks are to be utilized to address public health problems and to ensure compliance with the provisions of the SDWA. Construction funds may not be utilized to satisfy growth demands.

A 20% state match is required to obtain the capitalization grant. The matching funds must be deposited into a dedicated State Loan Fund. For a dedicated State Loan Fund, VDH has directed funds to the *Virginia Water Supply Revolving Fund* (§62.1-233 et seq. of the *Code of Virginia*). Under this state law and in conjunction with VDH, the Virginia Resources Authority has certain responsibilities for individual construction loans.

Congress has set a goal of providing 15% of the amounts credited to the state loan fund as loan assistance to waterworks that regularly serve fewer than 10,000 persons. VDH will bypass higher ranked projects if necessary to meet this goal.

Funding and Financial Status

For the federal fiscal year **2004**, Virginia's allocation is **\$11,127,600** in federal funds. Some loan repayments and interest are available. For the 20% match requirements, VDH will transfer state general funds to its designated State Loan Fund, i.e., the Virginia Water Supply Revolving Fund (VWSRF), as federal funds are realized. The state will provide \$2,225,000 in general funds. Of the total available money of **\$15,185,545**, the FY2004 IUP allocates \$1,810,188 for set-asides and \$13,375,357 for State Loan Fund construction projects. No funds were transferred to VDH by the Department of Environmental Quality's (DEQ) Clean Water State Revolving Fund (CWSRF) to fund additional construction projects. Therefore, construction funds total \$13,375,357. VDH allocated 16.26755% of the grant funds as set-asides. All of the of the 2% set-aside (\$222,552) and 0.82386% (\$91,676) of the 10% set-aside are reserved for possible set-aside use in a future grant and added to the previous set-aside reserves for a total of **\$9,127,991**. No reserve amount has been reclaimed for set-aside use in this IUP or any previous IUP.

In 1997, the first year of the DWSRF Program, federal funds allocated to Virginia were \$29,442,400, but the 20% state match requirement was deferred until September 30, 1999. However, in the 1998 IUP, \$1,720,940 of the deferral was provided; in the 1999 IUP, \$1,587,280; in the 2000 IUP, \$958,183; and in the 2001 IUP, the remainder of \$1,622,077. In 1997, the Commonwealth allocated 22% of the funds as set-asides; 9% (\$2,649,816) of the 10% set-aside was reserved for possible use in a future grant.

For federal FY 1998, Congress allocated \$13,895,300 to Virginia. The state added \$4,500,000 in general funds. In its 1998 IUP, VDH allocated \$2,779,060 for set-asides and \$15,616,240 for loan projects (\$11,116,240 in Federal funds and \$4,500,000 in state funds). In its 1998 IUP, VDH allocated 20% of the funds as set-asides; 8% (\$1,111,624) of the 10% set-aside was reserved for possible use in a future grant.

For federal FY 1999, Congress allocated \$14,563,600 to Virginia. The state's Appropriation Act (April 14,1998) provided \$4,500,000 in general funds. The FY 1999 IUP allocated the total available money of \$19,063,600 as \$1,852,781 for set-asides and \$17,210,819 for State Loan Fund construction projects (\$12,710,819 in federal funds and \$4,500,000 in state funds). Therefore, VDH allocated 12.722% of the funds as set-asides; 9.278% (\$1,351,211) of the 10% set-aside was reserved for possible use in a future grant.

For federal FY 2000, Congress allocated \$15,135,800 to Virginia. The state added \$3,985,343 in general funds. The FY 2000 IUP allocated the total available money of \$19,121,143 as \$1,291,840 for set-asides and \$17,829,303 for State Loan Fund construction projects (\$13,834,960 in federal funds and \$3,985,343 in state funds). Therefore, VDH allocated 8.535% of the funds as set-asides. The 8.415% (\$1,273,678) of the 10% set-aside is reserved for possible set-aside use in a future grant.

For federal FY 2001, Virginia's final allocation was \$15,198,400 in federal funds. Also, \$2,886,953 was moved from prior years' 15% set-aside category to construction. The

state added \$5,153,137 in general funds and \$7,324 in interest. The FY 2001 IUP allocated the total available money of \$23,260,573 as \$1,745,129 for set-asides and \$21,515,444 for State Loan Fund construction projects. Therefore, VDH allocated 11.4823% of the funds as set-asides. The 0.2116% (\$32,160) of the 4% set-aside, the 0.9076% (\$137,940) of the 2% set-aside and 8.2822% (\$1,258,761) of the 10% set-aside are reserved for possible set-aside use in a future grant.

For federal FY 2002, Virginia's final allocation was \$11,127,600 in federal funds. Only a small amount of loan repayments and interest were available. The state added \$4,500,000 in general funds. The FY2002 IUP allocated the total available money of \$15,816,207 as \$1,373,642 for set-asides and \$14,442,565 for State Loan Fund construction projects. Also, \$1,000,000 was transferred by DEQ's CWSRF to fund additional drinking water construction projects. Therefore, construction funds totaled \$15,442,565. VDH allocated 12.3445% of the grant funds as set-asides. The 1.1761% (\$130,868) of the 4% set-aside, the 1.1340% (\$126,184) of the 2% set-aside and 4.5088% (\$501,724) of the 10% set-aside are reserved for possible set-aside use in a future grant.

For the federal fiscal year 2003, Virginia's allocation was \$11,060,700 in federal funds. Some loan repayments and interest were available. The state added \$4,500,000 in general funds. The FY2003 IUP allocated the total available money of \$16,509,379 as \$1,881,913 for set-asides and \$14,627,466 for State Loan Fund construction projects. No funds were transferred to VDH by DEQ's CWSRF to fund additional construction projects. Therefore, construction funds total \$14,627,466. VDH allocated 17.0144% of the grant funds as set-asides. The 1.2266% (\$135,674) of the 2% set-aside and 0.9414% (\$104,125) of the 10% set-aside are reserved for possible set-aside use in a future grant.

No funds are to be transferred out of this Program under Section 302 of the Safe Drinking Water Act Amendments of 1996.

**Summary
 Virginia Drinking Water State Revolving Fund Program
 Intended Use Plan
 FY 2004**

I. SOURCES

Federal	FY 2004	Allocation =	\$11,127,600	based on a national appropriation of \$850 million
State's General Fund		20% match required =	\$2,225,520	
SUBTOTAL 1				\$13,353,120
Other state funds =			\$0	
Total state funds this year		\$2,225,520		
SUBTOTAL 2				\$13,353,120
Other sources =				
	interest earned (0945)		\$2,460	
	interest earned (VWSRF)		\$44,364	
	repaid principal		\$1,333,997	
	repaid interest		\$451,604	
SUBTOTAL 3				\$15,185,545
TRANSFER from DEQ's CWSRF			\$0	
Grand Total Funds Available =			\$15,185,545	

II. USE for Set-asides

Category	Maximum % and Name	Percent chosen	Amount
1	4% Administration and Technical Assistance	4.0000%	445,104
2	2% Small System Technical Assistance	0.0000%	0
3	10% State Program Management	9.17614%	1,021,084
4	15% Local Assistance and other State Programs	3.09141%	344,000
Sub-total		16.26755%	\$1,810,188

III. USE for Loan funds

Federal Allocation =	\$11,127,600		
minus set asides	<u>\$1,810,188</u>		
Federal loan funds	\$9,317,412	83.73245% of federal grant	
plus 20% match required =	<u>\$2,225,520</u>		
SUBTOTAL			\$11,542,932
plus Other state funds =	\$0		
SUBTOTAL			\$11,542,932
plus other sources =	\$1,832,425		
SUBTOTAL			\$13,375,357
plus Transfer from DEQ's CWSRF	\$0		
TOTAL Amount available	\$13,375,357		
Amount available after subtracting Set-asides =			\$13,375,357
Amount loaned to Demonstration Project for Southwest Virginia Endowment =			\$0
Balance available for individual project loan and subsidies =			\$13,375,357
Subsidies --up to 30% of grant may be used =		30.00%	\$3,338,280
Loans =			<u>\$10,037,077</u>
Total =			\$13,375,357

SUMMARY OF ACTIVITIES IMPLEMENTED BY THIS IUP

As shown in the preceding Summary Chart for this year's total federal grant, **16.26755%** is reserved for set-aside activities. The remaining **83.73245%** of the federal grant plus state funds are for construction loan assistance to eligible applicants. State match funds are appropriated as general funds for the Virginia Department of Health (VDH) to provide the 20% match.

Of these construction funds **100%** will be provided to waterworks that serve less than 10,000 persons. Within the construction funds, 30% of the grant is allotted to disadvantaged waterworks. Actual usage of the 30% is subject to individual determinations on loan terms for each applicant meeting the definition of disadvantaged”.

The particular percentages to be used for each of the four setaside categories are shown in the Summary Chart.

THE VIRGINIA DWSRF PROGRAM

The document dated January 14, 2003, entitled “Virginia Drinking Water State Revolving Fund Program - Program Design Manual” is a part of the Intended Use Plan. This manual explains the Program's overall goal, the set-aside and construction aspects of the Program, entities eligible for funding, interest rates and terms, and criteria used to establish a Project Priority List.

The manual addresses the unique **1452 (k) Loans** set-aside provision (under the 15% set-aside) that allows purchase of land or conservation easements as well as funds for certain source water protection programs. This is a separate provision of the Program, and infrastructure projects are not required in conjunction with the use of these funds. The Program Design Manual contains criteria for evaluating and ranking applicants.

LONG AND SHORT TERM GOALS

VDH bases this Program on the fact that safe drinking water is essential to public health. The goal of VDH in administering the capitalization grant is to provide a comprehensive and integrated technical and financial assistance program to waterworks owners through a balanced approach of using set-aside funding and construction loan funds to achieve the following objectives:

A. Long Term

- Help assure that Virginians will be the healthiest people in the nation, in regards to drinking water.
- Protect the public health and welfare by planning and directing activities that assure adequate water quantity and quality are provided to users of waterworks.

- Assist waterworks owners in complying with federal and state mandated drinking water regulations through both programmatic and construction assistance.
- Assist and encourage waterworks owners to develop strategies to develop and maintain the capacity (adequate managerial, technical, and financial capability and well-trained operators) to provide safe drinking water for the long term.
- Assist waterworks owners in the protection of their source waters by developing or assisting to develop source water protection programs.
- Assist waterworks owners in correcting health problems related to drinking water through both programmatic and construction assistance.
- Aggressively market the available drinking water programmatic and construction assistance, to assist waterworks owners and consumers.

B. Short Term

- Receive each year's DWSRF Program money as soon as possible from EPA so citizens of Virginia may benefit.
- Assist waterworks owners by creating innovative technical assistance programs.
- Promote consolidation and regionalization of water supplies and waterworks through both programmatic and construction assistance.
- Provide a source of low cost financing for drinking water needs.
- Ensure that all new Community and Nontransient Noncommunity water systems beginning operation after October 1, 1999, have the technical, financial, and managerial capacity with respect to each national primary drinking water standard in effect, or likely to be in effect, on the date of starting operations.
- Ensure that operator certification regulations meeting EPA national requirements are applied and that coordination is achieved to provide training courses, especially for the lower classifications of licensed operators needed at the smaller waterworks.

DEMONSTRATION PROJECT FOR STATE OF VIRGINIA

The SDWA authorizes Virginia to establish a special demonstration project to loan funds to a regional endowment to "...finance new drinking water facilities..." in an area of Southwest Virginia encompassing Planning Districts 1 and 2. This endowment was established to assist in meeting the special needs of Southwest Virginia. In prior years, VDH elected to provide a total of \$10 million from its capitalization grants as loans to the endowment. That goal has been reached and no additional funding is provided. The relationship between this special endowment program and the Virginia DWSRF Program is that of the loan and the common goal of correcting health needs.

TRANSFER OF FUNDS

Subject to the maximums allowed under the SDWA, set-aside funds may be transferred between another set-aside or between the state loan fund but no grant payments (per the DWSRF Program Rule) for the state loan fund may be transferred to a set-aside.

No DEQ CWSRF repayment revenue is planned for transfer into the DWSRF Program under Section 302 of the Safe Drinking Water Act Amendments of 1996. Such transfer funds can only be used as loan funds, not grants. VDH has not requested funds from DEQ as VDH's current list of drinking water projects that are ready to proceed can be fully funded without a transfer.

FINANCIAL HEALTH

The Program will be managed to maximize both the tangible and intangible benefits available to waterworks owners and the citizens of the Commonwealth. The financial health of the Program lies in two areas, in active non-construction activities and in loans. Both areas interact and affect the other's effectiveness. Activities promoting or enhancing delivery of a safe potable drinking water reduce the demand on the loan area by insuring the long-term well being of the waterworks. A State Loan Fund will be maintained in perpetuity for providing financial assistance as authorized and limited by the SDWA. A State Loan Fund will be maintained in accordance with the SDWA and will be credited with all payments, repayments of principal and interest on loans, interest on loan accounts and any other source of income accruing to a State Loan Fund. By coordinating the two areas of non-construction and project loans, the overall long-term financial health of the Program will be maintained to the benefit of the citizens of the Commonwealth. This coordination will be done by the strategy of at least annually coupling programmatic considerations with the results of a planning model that considers the aggregate effects of altering financial parameters of the Program. Procedures will be either revised or implemented as needed.

In the Disadvantaged Program (described in VDH's Program Design Manual), loan subsidies in the form of principal forgiveness will decrease the loan funds available; however, principal forgiveness coupled with a comprehensive business plan (capacity development) will reduce the demand on the loan fund by insuring the long term well-being of the waterworks. It will allow waterworks to undertake projects they could not otherwise construct and, therefore, protect the public health. This strategy is one of the strong themes encouraged by Congress.

A unique feature of the Virginia DWSRF Program is the federal statutory language allowing a pilot demonstration project in Southwest Virginia. The Commonwealth has made loan(s) to a regional endowment, and such loan(s) will be repaid with terms and conditions like any other project loan. These loan funds will be invested, and investment proceeds can be for uses other than normally specified by Congress. Such uses will assist in correcting problems faced by communities in Southwest Virginia.

USE OF FUNDS

PROJECTS:

Attached is the Comprehensive Project List showing rank from 1-39. Also attached is the Project Priority List that contains those projects VDH targets to receive funds from this year's funding.

SET-ASIDES:

The set-asides are four categories where non-project funds may be used for specified purposes up to a maximum amount indicated in federal statute. Attached are set-aside suggestions received during the solicitation or public input phase of IUP development. This IUP's set-aside use distribution is shown in the preceding Summary Chart. Shown below are the set-aside uses.

A. Administration and Technical Assistance (**\$445,104** which is **4.0%** of the maximum 4% allowed.

1. Administration – (\$445,104). The purpose of this set-aside is to finance the administrative functions of the Program, such as solicitation of applications, review of selected projects, environmental reviews, determination of applicant's ability to pay back loans, and VDH travel to EPA/CIFA meeting. VDH has budgeted \$301,201 to the Virginia Resources Authority (VRA) for credit analysis summaries for each project, project loan closings, funding disbursements, accounting tasks, compliance review of closed loans, annual audit of the construction loan fund, and participation with VDH on EPA's annual onsite program review.
2. Technical Assistance – (\$0). No new money is added this year.

B. Small System Technical Assistance (No funds are earmarked out of the 2% maximum allowed; the entire **2%** will be reserved for possible use out of a future grant.)

Activities expected to be addressed in small system technical assistance include, but are not limited to, the following:

- Providing technical assistance to small waterworks (transient noncommunity) that includes working with the transient noncommunity waterworks to understand the waterworks' responsibilities and reporting requirements under state and federal law. Funds will pay for the equivalent of 3.5 full time employees (FTE), i.e., 4 part-timers for 1,500 hours per year for 1 year. Funds were provided in earlier grants; no new money is added this year (\$0). (new activity).
- Working with waterworks in developing and implementing a Source Water Protection Program (SWPP). These waterworks will be selected by solicitation of those interested in developing SWPPs. Funds were provided in earlier grants; no new money is added this year (\$0).

- Professional Development Seminar Series - Providing specialty seminars and training events for waterworks owners on topics such as emergency planning, business plan development, emerging technology, regulatory compliance, etc. Funds were provided in earlier grants; no new money is added this year (\$0).
- Providing funding for development of a Small Business Management Institute. Funds were provided in earlier grants; no new money is added this year (\$0).
- Providing funds for Va Tech Water Resources Research Center to study the applicability of desalination in Virginia. Funds were provided in earlier grants; no new money is added this year (\$0). (new activity).
- Providing training scholarships grants for waterworks operators (selection by recommendations from VDH field personnel) to the Water Treatment Plant Operators Short Course and the AWWA Management Institute at Va Tech. Funds were provided in earlier grants; no new money is added this year (\$0).

C. State Program Management (**\$1,021,084** which is **9.17614%**. The maximum is 10%; the remaining **0.82386%** will be reserved for possible use out of a future grant.)

1. Public Water System Supervision

- Improve the process to implement new federal rules. Funds will pay for the equivalent of 0.5 FTE of effort for 1 year. This person (regulation developer) will coordinate the efforts needed by the state to develop and process the adoption of any necessary regulations. Funds were provided in earlier grants so no new money is added this year (\$0).
- Continue the FY 2002 consolidation of regulatory oversight of the transient noncommunity waterworks within the Office of Drinking Water by supporting seven full time positions (\$394,920 including fringes and indirect costs).
- Continue the FY 2003 initiative to improve the enforcement program by adding two full time enforcement specialist positions (\$121,904 including fringes and indirect costs).
- Continue to lease office space in order to carry out drinking water activities (\$330,000).
- Continue funds for a contract for a part-time computer support technician's activities (\$14,000).
- Continue funds to support a courier system to deliver required samples to Division of Consolidated Labs (DCLS) (\$48,000).

2. Source Water

- Improve VDH's ability to assist waterworks to implement new federal rules. Funds will pay for the equivalent of 0.5 FTE of effort for 1 year. This position (geologist) will coordinate the efforts needed by the state to oversee source water activities including specialized projects in Karst areas, contracts to waterworks to do specialized studies, and independent studies initiated by VDH. This IUP continues funding included in earlier grants (\$34,148 including fringes and indirect costs).

3. Capacity Development

No proposed activities.

4. Operator Programs

Continue activity from prior grant to provide support for the distance learning website at Mountain Empire Community College. Use funds in earlier grants and add new money (\$78,112).

D. Local Assistance and other State Programs (**\$344,000** which is **3.09141%**). The maximum is 15% with no more than 10% in a category).

1. Loan and Protection Measures

- No new money is added this year for waterworks to buy land or conservation easements necessary for source water protection (\$0).
- No new money is added this year for implementing voluntary incentive based source water protection measures (\$0).

2. Capacity Development (\$344,000 which is 3.09141%)

- Continue providing direct assistance to waterworks in completing comprehensive business plans and the mentoring program. This IUP continues the funding included in earlier grants and adds new money (\$ 40,000).
- Funding for Peer Review (mentoring) Program – funding from prior grants. No new funding added this year (\$0).
- Receivership Program support – VDH will create a new activity to assist in stabilizing waterworks lacking managerial and technical operation capacity. This activity will add to the tools in the VDH's Capacity Development Strategy. This activity begins after a court appoints a receiver from a list

supplied by VDH. This unconventional technical assistance activity will provide funds for a limited time (about one year) to supplement the waterworks revenue to pay for the receiver's contract and for stabilizing activities needed to provide safe water to existing consumers. In about one year of activity the waterworks would be connected to an existing waterworks or a new owner found. Use funding from prior grants. No new funding added this year (\$0). (new activity).

- Technical Assistance - continue funds for capacity development/project planning technical assistance grants (\$304,000).

3. Source Water

No funds are allowed after the FY 1997 grant.

4. Wellhead Protection

No funds are proposed as the Source Water funds from the 1997 grant include this area.

Project Priority List

FY 2004 Virginia DWSRF Program															Designation Codes:		H = health		O = other		N = not eligible		P = in pipeline; pending		ms with their response/lack of response to our solicitation request					
PWS ID	County or City	Owner Name	Owner Type	Project Name	Project Description	Project Problem	Project Benefit	Population	Project Connections	Designation	Activity	Point Total	Rank	Project Total Cost	Requested Amount	Eligible Amount (estimated) from this Grant	Cummulative	Grant Remaining												
																			13,375,357											
1750100	Radford	Radford, City of	P-O	West/Stockton Street Community WL Replacement	The new water line will replace the existing 2" and 4" water lines with 6" AWWA C-900 DR14 PVC water lines.	Deteriorated water lines with low pressure and flow.	Residents in the West/Stockton community will have the required pressure and flows.	197	58	O	Active	35	1	454,750	454,750	454,750	454,750		12,920,607											
1195650	Wise	Pound, Town of	P-O	Town of Pound's Water System Improvements	The proposed project will include installation of 16,422 lf of 6" water line, 1,500 lf of 4" water line, 700 lf of 2" water line, 142 households already on old pipe replaced by the new water line, 2 booster pump stations, all water line appurtenances.	Inadequate water lines	Replacement of water lines that are inadequate in size creating problems of pressure and volume to customers.	2568	1070	O	Active	32	2	864,955	861,455	861,455	1,316,205		12,059,152											
1169405	Scott	Gate City, Town of	P-O	Gate City Leak Repairs Project-Phase II	The project will replace 1,700 lf of 8" cast iron water line, 3,366 lf of 3/4" service line, 643 meters and the installation of a SCADA and level control system to better monitor the system tanks.	Water accountability problems and unreliable well and springs.	Allow pure and reliable water to be transported to residents.	2073	1222	O	Active	28	3	533,124	533,124	533,124	1,849,329		11,526,028											
1167900	Russell	Russell County Board of Supervisors	P-O	Drill Mountain Water Line Extension	This project would include the installation of 65,000 lf of 4, 6 and 8 inch water lines; 9,000 lf of 3/4 inch service line in the Drill Mtn area; one water storage tank, one pitless booster pump station; 33 gate valves, 19 air release valves, 10 blow-off	Inadequate quality and quantity of groundwater.	To provide adequate and safe groundwater.	336	146	O	Active	26	4	2,113,428	598,428	598,428	2,447,757		10,927,600											
3001620	Accomack	Onancock, Town of	P-O	Onancock-Water System Improvements	The replacement of approximately 28,000 lf of 2" and 4" water lines with 6" and 8" PVC; the construction of a new 300,000 gallon elevated storage tank; and the upgrade of two existing wells and installation of two new wells.	Inadequate water pressure/availability.	Ensure adequate water pressure and provide a more reliable source for groundwater.	1525	608	O	Active	25	5	3,349,811	2,349,811	2,349,811	4,797,568		8,577,789											
5117100	Mecklenburg	Boydton, Town of	P-O	Boydton- Courthouse Square Water Project	Replacement of water lines with 300 lf of 8" WM, 50 lf of 6" WM, 1-fire hydrant; 340 lf of 8" WM; 60 lf of 6" WM, 290 lf of 8" WM, and 1-fire hydrant; 310 lf of 8" WM; 265 lf of 8" WM; 370' of 8" WM; 220 lf of 8" WM, 500 lf 10" WM and 1-fire hydrant.	Unreliable antiquated water lines with continuous leaks.	Provide adequate water service.	686	222	O	Active	23	7	335,064	233,705	233,705	5,031,273		8,344,084											
1051	Dickenson	Dickenson County Public Service Authority	P-O	Vickey Station	The proposed project will consist of approximately 4,500 lf of 4 inch water line and appurtenances and a single hydropneumatic pump station.	No reliable safe water supply available for the service area.	This project will provide a safe reliable water supply to the homes within the service area.	17	8	O	Active	22	9	106,085	95,715	95,715	5,126,988		8,248,369											
1167900	Russell	Russell County Board of Supervisors	P-O	Sword's Creek-PSA Clark's Valley-South River Extension	The proposed project will consist of the installation of 2,300 lf of 6 inch water line, 1,350 lf of 4 inch water line, 1,050 lf of 2 inch water line, 21 water service connections, approximately 1,050 lf of 3/4 inch service line, and one-6 inch railroad crossing.	Inadequate quality and quantity of groundwater source supply.	Provide safe and dependable drinking water supply to residents.	51	21	O	Active	22	10	207,816	207,816	207,816	5,334,804		8,040,553											

Project Priority List

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PWS ID	County or City	Owner Name	Owner Type	Project Name	Project Description	Project Problem	Project Benefit	Population	Project Connections	Designation	Activity	Point Total	Rank	Project Total Cost	Requested Amount	Eligible Amount (estimated) from this Grant	Cummulative	Grant Remaining
2125910	Nelson	Nelson County Service Authority	P-O	Devils Knob -Tank	This project is to construct a 500,000 glass lined bolted steel tank on Devil's Knob.	Inadequate water storage capacity.	Provide adequate potable water storage for the increased demands at this system.	3300	1928	O	Active	8	22	337,750	337,750	337,750	9,295,498	4,079,859
1071455	Giles	Giles County Public Service Authority	P-O	Route 100- Water Line Extension	The project consists of approximately 31,500 lf of 8 inch water line, 15,600 lf of 6 inch water line, 1,700 lf of 4 inch water line and all necessary appurtenances, and one-150,000 gallon ground storage tank with one water booster pumping station.	Inadequate private and community wells and springs.	The residences will now be served by a central water system.	324	141	O	Active	5	23	2,060,690	2,060,690	2,060,690	11,356,188	2,019,169
2165180	Rockingham	Rockingham County	P-O	Countryside Sanitary District	The project will consist of 3,500 lf of 8" water pipe, 8 gate valves, 2,000 lf 4" water pipe, 4 fire hydrants, a master meter, and appurtenances.	System under direct influence of surface water and has inadequate storage capacity.	This project will connect the Countryside system to the Town of Bridgewater system.	35	16	P	Active	25	25	198,500	198,500	198,500	11,554,688	1,820,669
1105	Lee	Lee County Public Service Authority	P-O	Robbins Chapel Water Extension	The proposed project will include installation of 700 lf of 12" water line, 49,900 lf of 6" water line, 865 lf of 3/4" water line, 80,000 gallon water storage tank, three booster pump stations, two pressure reducing stations, all related appurtenances.	Unsafe and unreliable water source.	Provide a safe and reliable water source to residents.	277	115	P	Active	26	27	2,898,367	1,332,867	1,332,867	12,887,555	487,802
1105	Lee	Lee County Public Service Authority	P-O	Big Hill Water Extension	The proposed project will include installation of 36,680 lf of 8" water line, a 50,000 gallon water storage tank, a booster pump station, all water service line appurtenances, 18 fire hydrants for fire protection and new water service to 82 total households.	Inadequate water quality and/or quantity.	This project will provide a safe and reliable water service to residents.	202	82	P	Active	23	28	1,303,689	413,889	413,889	13,301,444	73,913
1169	Scott	Scott County Public Service Authority	P-O	Boozy Creek Water Extension	The proposed project will include installation of 45,500 lf of 8" water line, 25,900 lf of 6" water line, 15,000 lf of 4" water line, 1,000 lf of 2" water line, 8,850 lf of 3/4" water line, a 130,000 gallon water storage tank, and a booster pump station.	Inadequate water quality and/or quantity.	This project will provide safe and reliable water service to 416 residents.	416	177	P	Active Has other VDHI funding source.	12	32	1,549,221	1,549,221	73,913	13,375,357	0

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																			13,375,357											
1750100	Radford	Radford, City of	P-O	West/Stockton Street Community WL Replacement	The new water line will replace the existing 2" and 4" water lines with 6" AWWA C-900 DR14 PVC water lines.	Deteriorated water lines with low pressure and flow.	Residents in the West/Stockton community will have the required pressure and flows.	197	58	O	Active	35	1	454,750	454,750	454,750	454,750		12,920,607											
1195650	Wise	Pound, Town of	P-O	Town of Pound's Water System Improvements	The proposed project will include installation of 16,422 lf of 6" water line, 1,500 lf of 4" water line, 700 lf of 2" water line, 142 households already on old pipe replaced by the new water line, 2 booster pump stations, all water line appurtenances.	Inadequate water lines	Replacement of water lines that are inadequate in size creating problems of pressure and volume to customers.	2568	1070	O	Active	32	2	864,955	861,455	861,455	1,316,205		12,059,152											
1169405	Scott	Gate City, Town of	P-O	Gate City Leak Repairs Project-Phase II	The project will replace 1,700 lf of 8" cast iron water line, 3,366 lf of 3/4" service line, 643 meters and the installation of a SCADA and level control system to better monitor the system tanks.	Water accountability problems and unreliable well and springs.	Allow pure and reliable water to be transported to residents.	2073	1222	O	Active	28	3	533,124	533,124	533,124	1,849,329		11,526,028											
1167900	Russell	Russell County Board of Supervisors	P-O	Drill Mountain Water Line Extension	This project would include the installation of 65,000 lf of 4, 6 and 8 inch water lines; 9,000 lf of 3/4 inch service line in the Drill Mtn area; one water storage tank, one pitless booster pump station; 33 gate valves, 19 air release valves, 10 blow-off	Inadequate quality and quantity of groundwater.	To provide adequate and safe groundwater.	336	146	O	Active	26	4	2,113,428	598,428	598,428	2,447,757		10,927,600											
3001620	Accomack	Onancock, Town of	P-O	Onancock-Water System Improvements	The replacement of approximately 28,000 lf of 2" and 4" water lines with 6" and 8" PVC; the construction of a new 300,000 gallon elevated storage tank; and the upgrade of two existing wells and installation of two new wells.	Inadequate water pressure/availability.	Ensure adequate water pressure and provide a more reliable source for groundwater.	1525	608	O	Active	25	5	3,349,811	2,349,811	2,349,811	4,797,568		8,577,789											
5780600	Halifax	South Boston, Town of	P-O	South Boston- Raw Water Intake Modification	Approximately 7 feet of pipe including two 22.5 degree bends at each end of the header will provide future access to the header pipe for cleaning.	Large quantity of sediment and sand in suspension.	The ability to clean the header pipe will greatly increase and enhance the reliability of the intake.	10000	3147	O	Bypass- has other VDHD funding source	23	6	37,612	37,612	0	4,797,568		8,577,789											
5117100	Mecklenburg	Boydton, Town of	P-O	Boydton- Courthouse Square Water Project	Replacement of water lines with 300 lf of 8" WM, 50 lf of 6" WM, 1-fire hydrant; 340 lf of 8" WM; 60 lf of 6" WM, 290 lf of 8" WM, and 1-fire hydrant; 310 lf of 8" WM; 265 lf of 8" WM; 370' of 8" WM; 220 lf of 8" WM, 500 lf 10" WM and 1-fire hydrant.	Unreliable antiquated water lines with continuous leaks.	Provide adequate water service.	686	222	O	Active	23	7	335,064	233,705	233,705	5,031,273		8,344,084											
2165466	Rockingham	Rockingham County	P-O	Lilly Subdivision Sanitary District-well	Development and connection of new well with 1-5 HP pump, approximately 500 lf of well piping and cable, well housing (pitless adapter), and miscellaneous equipment; service line replacement with approximately 900 lf of service line; and distribution syst	Inadequate quantity and quality source water.	Provide increased water quality and quantity.	166	61	O	Bypass - Withdrawn	22	8	62,850	62,850	0	5,031,273		8,344,084											

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1051	Dickenson	Dickenson County Public Service Authority	P-O	Vacey Station	The proposed project will consist of approximately 4,500 lf of 4 inch water line and appurtenances and a single hydropneumatic pump station.	No reliable safe water supply available for the service area.	This project will provide a safe reliable water supply to the homes within the service area.	17	8	O	Active	22	9	106,085	95,715	95,715	5,126,988	8,248,369												
1167900	Russell	Russell County Board of Supervisors	P-O	Sword's Creek-PSA-Clark's Valley-South River Extension	The proposed project will consist of the installation of 2,300 lf of 6 inch water line, 1,350 lf of 4 inch water line, 1,050 lf of 2 inch water line, 21 water service connections, approximately 1,050 lf of 3/4 inch service line, and one-6 inch railroad crossing.	Inadequate quality and quantity of groundwater source supply.	Provide safe and dependable drinking water supply to residents.	51	21	O	Active	22	10	207,816	207,816	207,816	5,334,804	8,040,553												
1191883	Washington	Washington County Service Authority	P-O	Alex Road/Bluff Hollow Water Line Extension	This project would construct 2-4" water line extensions for a total of 6,760 feet.	Inadequate quantity and/or quality of private water sources.	Access to public drinking water.	17	7	O	Active	18	11	123,199	111,199	111,199	5,446,003	7,929,354												
1191883	Washington	Washington County Service Authority	P-O	Logan Creek/Yellow Springs/Fudge Road Water System Extension	This project would construct 2-4" water line extensions for a total of 6,760 feet.	Inadequate quantity and/or quality of private water sources.	Access to public drinking water.	28	17	O	Active	18	12	200,488	183,988	183,988	5,629,991	7,745,366												
1185105	Tazewell	Tazewell County Public Service Authority	P-O	Rt. 609 Green's Chapel Water Line Extension	A 6-inch water line will be extended approximately 20,600 lf. to serve approximately 76 residences. One 50,000 gallon water storage tank and one 70 gpm, 5 ph pump are included.	Poor quality and/or quantity of water.	Provide reliable public potable water to residents currently on individual water sources.	199	76	O	Active	17	13	1,029,674	1,029,674	1,029,674	6,659,665	6,715,692												
1173481	Smyth	Marion, Town of	P-O	Marion(Town of)-Gilman Street Water Line Replacement	Replacement of the existing water line with a 6" diameter water line approximately 1,150 ft in length and two fire hydrants.	Low water pressure.	Provide adequate water pressure to customers.	25	11	O	Bypass- has other VDH funding source	16	14	49,933	49,933	0	6,659,665	6,715,692												
1191883	Washington	Washington County Service Authority	P-O	Black Hollow Road Water Line Extension	This project would construct 27,530 feet of 8" water line, 8" gate valves, 6" gate valves, air release valves and metering station.	Inadequate quality and quantity of private spring and well water supplies.	Provide a more reliable source of potable drinking water.	120	51	O	Active	16	15	722,003	545,503	545,503	7,205,168	6,170,189												
1191883	Washington	Washington County Service Authority	P-O	Chestnut Mountain	This project would construct 5,269 ft of 4" water line and a 25 gpm pump station that will deliver flow to a 15,000 gallon bulk storage tank.	Inadequate quantity and quality of private water sources.	Access to public drinking water.	32	13	O	Active	13	16	201,798	182,298	182,298	7,387,466	5,987,891												
1169200	Scott	Scott County Public Service Authority	P-O	Mabe and Stanleytown Water Extension	The proposed project will include the installation of 35,775 lf of 6" water line, 4,395 lf of 4" water line, 885 lf of 2" water line, 4,200 lf of 3/4" water line, a 100,000 gallon water storage tank, all water service line appurtenances, 27 fire hydrants	Inadequate water quality and quantity.	This project will provide safe and reliable water service.	315	134	O	Active	13	17	1,582,812	681,456	681,456	8,068,922	5,306,435												

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1185105	Tazewell	Tazewell County Public Service Authority	P-O	Martin Farm Road Water	Extension of approximately 4,328 lf of 6 inch PVC pipe from the entrance of Wardell Industrial Park along Rt. 19 to the end of a County road to serve 6 residential homes.	Unsafe water.	This line extension will provide safe and potable water to six houses.	13	6	O	Active	12	18	111,043	111,043	111,043	8,179,965	5,195,392										
1169200	Scott	Scott County Public Service Authority	P-O	Dry Creek Water Line Extension Change Order	This project consists of 8,00 lf of 6 inch water line, 400 lf of 3/4 inch service line, 12-3/4"x5/8" meters, 5-6" gate valves, 20 lf of 6" stream crossing, 80 tons of miscellaneous aggregate, 40 CY of miscellaneous concrete, 2-blow off valves, 2-air release.	Unreliable springs and wells.	This project will provide clean, clear reliable potable water to residents.	38	16	O	Active	12	19	222,143	222,143	222,143	8,402,108	4,973,249										
1169690	Scott	Scott County Public Service Authority	P-O	Route 714 Water Line Extension	This project will consist of 3,048 lf of 4 inch water line, 140 lf of 3/4 inch service line, 6-3/4"x5/8" meters, 2-4" gate valves, 20 lf of 6" stream crossing and a 4" road bore.	Unreliable springs and wells.	This project will provide clean, clear and reliable potable water to residents.	14	6	O	Bypass- has other VDH funding source	10	20	50,000	50,000	0	8,402,108	4,973,249										
1185755	Tazewell	Tazewell County Public Service Authority	P-O	Gun Club & Cloverdale Estates Water	The facilities to provide water service include approximately 15,500 lf of 6 inch water lines and other associated appurtenances.	Privately owned wells and springs experiencing dry periods and potential contamination.	This project would provide dependable potable water to homeowners.	95	34	O	Active	10	21	555,640	555,640	555,640	8,957,748	4,417,609										
2125910	Nelson	Nelson County Service Authority	P-O	Devils Knob -Tank	This project is to construct a 500,000 glass lined bolted steel tank on Devil's Knob.	Inadequate water storage capacity.	Provide adequate potable water storage for the increased demands at this system.	3300	1928	O	Active	8	22	337,750	337,750	337,750	9,295,498	4,079,859										
1071455	Giles	Giles County Public Service Authority	P-O	Route 100- Water Line Extension	The project consists of approximately 31,500 lf of 8 inch water line, 15,600 lf of 6 inch water line, 1,700 lf of 4 inch water line and all necessary appurtenances, and one-150,000 gallon ground storage tank with one water booster pumping station.	Inadequate private and community wells and springs.	The residences will now be served by a central water system.	324	141	O	Active	5	23	2,060,690	2,060,690	2,060,690	11,356,188	2,019,169										
2015060	Augusta	Augusta County Service Authority	P-O	Morris Mill Waterline Extension	This project will include the installation of approximately 9,500 lf of 6" waterline and 15,500 lf of 10" waterline with all associated appurtenances	Dry and low yielding wells.	This project will provide an adequate water supply to citizens of Augusta County.	317	113	O	Bypass- applicant withdrew as no local support.	0	24	1,125,444	845,844	0	11,356,188	2,019,169										
2165180	Rockingham	Rockingham County	P-O	Countryside Sanitary District	The project will consist of 3,500 lf of 8" water pipe, 8 gate valves, 2,000 lf of 4" water pipe, 4 fire hydrants, a master meter, and appurtenances.	System under direct influence of surface water and has inadequate storage capacity.	This project will connect the Countryside system to the Town of Bridgewater system.	35	16	P	Active	25	25	198,500	198,500	198,500	11,554,688	1,820,669										
1105	Lee	Lee County Public Service Authority	P-O	Miller Chapel-Smyth Chapel Water System	The project will include the installation of approximately 138,600 lf of 12-inch and 8-inch diameter waterlines and related system appurtenances, and 375 water service connections.	Inadequate quality and quantity of private wells, springs and cisterns	Provide a clean, safe and potable drinking water to residents.	900	375	P	Bypass-not ready, no source, trying to get users, Active	30	26	5,085,300	1,000,000	0	11,554,688	1,820,669										

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1105	Lee	Lee County Public Service Authority	P-O	Robbins Chapel Water Extension	The proposed project will include installation of 700 lf of 12" water line, 49,900 lf of 6" water line, 865 lf of 3/4" water line, 80,000 gallon water storage tank, three booster pump stations, two pressure reducing stations, all related appurtenances.	Unsafe and unreliable water source.	Provide a safe and reliable water source to residents.	277	115	P	Active	26	27	2,898,367	1,332,867	1,332,867	12,887,555	487,802										
1105	Lee	Lee County Public Service Authority	P-O	Big Hill Water Extension	The proposed project will include installation of 36,680 lf of 8" water line, a 50,000 gallon water storage tank, a booster pump station, all water service line appurtenances, 18 fire hydrants for fire protection and new water service to 82 total households.	Inadequate water quality and/or quantity.	This project will provide a safe and reliable water service to residents.	202	82	P	Active	23	28	1,303,689	413,889	413,889	13,301,444	73,913										
1167900	Russell	Russell County Board of Supervisors	P-O	Rosedale Water Line Extension	The proposed project will consist of the installation of 34,310 lf of 12 inch water line, 45,560 lf of 6 inch water line, 18,350 lf of service line (4 inch to 3/4 inch), 334 water service connections, associated valves, fire hydrants and related item.	Inadequate quality and quantity of groundwater source water supply.	Provide safe and dependable drinking water supply.	603	257	P	Bypass-No source. Active	22	29	2,707,944	2,707,944		13,301,444	73,913										
2125325	Nelson	Nelson County Service Authority	P-O	Nelson County Regional Water Plant	This project will construct a 250,000 gallon potable water treatment plant at the future Black Creek impoundment and also proposed is a US Filter Trimite filtration plant.	Problems with groundwater public supply due to the geology of the Blue Ridge.	Serve the water needs of 5 communities with adequate surface water.	1300	340	P	Bypass-Has another funding source	15	30	1,457,490	957,490		13,301,444	73,913										
2139017	Page	JWT Waterworks	I-O	JWT Waterworks	Purchase property with existing well, replace nonworking 5 HP pump and 2" line with new 5 HP pump and 2" galv line, check valves, controls and wire to existing well house and hook in using 6 new 86 gallon pressure tanks.	Inadequate water to satisfy demand.	This new well will produce between 40 and 60 gpm.	61	20	P	Bypass-Active	12	31	35,000	35,000		13,301,444	73,913										
1169	Scott	Scott County Public Service Authority	P-O	Boozy Creek Water Extension	The proposed project will include installation of 45,500 lf of 8" water line, 25,900 lf of 6" water line, 15,000 lf of 4" water line, 1,000 lf of 2" water line, 8,850 lf of 3/4" water line, a 130,000 gallon water storage tank, and a booster pump station.	Inadequate water quality and/or quantity.	This project will provide safe and reliable water service to 416 residents.	416	177	P	Active Has other VDH funding source.	12	32	1,549,221	1,549,221	73,913	13,375,357	0										
1169725	Scott	Nickelsville, Town of	P-O	Little Duck Water System Extension and System Upgrades	The construction of approximately 4,300 lf of 6 inch water line and associated appurtenances and the system upgrades involve the replacement of approximately 6,600 lf of 2 inch and small water line with 6 inch water line.	Unreliable and potentially unsafe groundwater sources.	Provide safe and reliable drinking water to households.	840	323	P	Bypass- not ready. Active	10	33	455,000	430,000		13,375,357											

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1035	Carroll	Carroll County Public Service Authority	P-O	Fancy Gap-Community Water System	Approximately 79,300 lf of 10", 8" and 6" water line and related appurtenances; a 250,000 gallon water storage tank, and 3 wells to provide domestic water service and fire protection to the community.	Excessive iron and manganese.	The project will make a safe, reliable drinking water supply source .	450	204	P	Bypass-Not ready, no source, trying to get users. Active	10	34	2,703,060	2,682,660		13,375,357											
1185	Tazewell	Tazewell County Public Service Authority	P-O	Tannersville Water/Phase I	This project consists of approximately 18,200 lf of 8 inch water line, 39,600 lf of 6 inch water line, two PRV stations, one-60,000 gallon water storage tank, the development of two wells with a 50 gpm membrane filtration plant and associated appurtenance	Unsafe and unreliable water source.	This project will provide a safe and reliable source of water.	281	107	P	Bypass-no source-Will apply for Planning Grant	10	35	2,335,364	2,335,364		13,375,357											
1071455	Giles	Giles County Public Service Authority	P-O	Eggleston Water Line Extension	This project consists of approximately 5,800 lf of 8 inch water line, 37,000 lf of 6 inch water line, 2,000 lf of 4-1 inch water line and necessary appurtenances; and 1-5,000 gallon horizontal water storage tank.	Inadequate private and community wells and springs.	Connection of 176 residential connections to a central water system.	376	176	P	Bypass - trying to get more users. Active	9	36	2,084,517	1,857,594		13,375,357											
2065050	Fluvanna	Camp Friendship	P-O	Camp Friendship Water System	Proposed looped distribution system consisting of piping, well source/storage and additional floating system storage.	Inadequate water supply.	Ensuring an adequate supply of water.	600	30	P	Bypass-inactive	6	37	85,000	85,000		13,375,357											
3800040	Suffolk	C & P Isle of Wight Water Company	I-O	Becks Subdivision	This project will install water treatment equipment.	Fluoride level exceeds EPA standards.	Fluoride compliance will be achieved.	240	62	P	Bypass-No PER-Will apply for Planning Grant	0	38	118,000	93,000		13,375,357											
3800510	Suffolk	C & P Isle of Wight Water Company	I-O	Maple Hills Subdivision	This project will install water treatment equipment.	Fluoride level exceeds EPA standards.	Fluoride compliance will be achieved.	300	75	P	Bypass-No PER-Will apply for Planning Grant	0	39	127,000	102,000		13,375,357											

DWSRF Program
Set-aside Suggestion List
FY 2004

The Virginia Department of Health received these suggestions during the solicitation or public input phase of developing the Intended Use Plan and considered them in the development of the set-aside portion of the Intended Use Plan.

Owner Name	Requested Amount	Activity Description	Funded Yes/No	Amount
Vinton (Town of)	\$0.00	Create and continue technical assistance, source water protection/wellhead protection, and supervisor and operator programs.	N/A	\$0.00
Virginia Water Resources Research Center	\$75,000.00	Develop "Guidelines for Extraction of Mine Cavity Water for Drinking Water Supplies in Coalfield Counties of Virginia".	No	\$0.00
Virginia Water Resources Research Center	\$25,000.00	Study of feasibility of Desalination for drinking water in Virginia.	Yes	\$25,000.00
Middle Peninsula PDC	\$15,000.00	Continuing previous efforts to help localities address state initiatives to develop local and regional water supply plans.	No	\$0.00
Virginia Rural Water Association	\$80,685.00	Implement training/technical assistance (training seminars/weekly visits) to assist public drinking utility systems establish a source water protection plan.	No	\$0.00
Mountain Empire Community College	\$232,835.20	Continue development of on line Water Degree Program, build and modify its web site, hire several staff, provide scholarships, contract web expert, etc.	Yes	\$78,112.00
Augusta County Service Authority	\$25,000.00	Source Water Protection - Partnership, develop environmental sensitive overlays for each public source.	No	\$0.00
TOTALS	\$453,520.20			\$103,112.00

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