

**2012 PRELIMINARY PROJECT PRIORITY LIST**

Designation Codes:

H - Health  
O - Other  
I - Incomplete

\$ 21,000,000

Priority	PWSID	City/ County	Owner	Project Name	Project Description	Populati on	Point Total	Design ation	PrgrmUse TypeCode	Prgrm Type Code	Principal Forgiveness	Project Cost	Amount Eligible for FY2012	Cumulative	Grant Remaining
1	1191883	Washington 3	Washington County Service Authority	<u>Hillendale Road Line Extension</u>	The project would construct approximately 1,500 feet of 4 inch water line along Hillendale Road (Route 779), connect to a 6 inch water line along Maiden Creek Road (Route 741) and would be fed by a 4 inch line. Fire flow is not a design consideration and no pump stations or tanks are required to accomplish this project.	6	36	H	WSL	VWSRF	100%	\$ 61,450	\$ 56,950	\$ 56,950	\$ 20,943,050
2	1191883	Washington 3	Washington County Service Authority	<u>Red Fox Lane Water Line Extension</u>	The project would connect to an existing 4 inch water line paralleling Clinchburg Road, located in northern Washington County, and extend 1,570 feet to the south along Red Fox Lane and then Raccoon Drive and would be fed by a 4 inch line. Fire flow is not a design consideration and no pump stations or tanks are required to accomplish this project.	8	31	H	WSL	VWSRF	100%	\$ 59,790	\$ 59,790	\$ 116,740	\$ 20,883,260
3	1191883	Washington 3	Washington County Service Authority	<u>North Fork River Road at Tumbling Creek WL Extension</u>	The project would connect to a future 4 inch water line along the southern portion of Tumbling Creek Road and extend 1,400 feet to the east along North Fork River Road and would be fed by a 4 inch line. Fire flow is not a design consideration and no pump stations or tanks are required to accomplish this project.	10	30	H	WSL	VWSRF	100%	\$ 109,980	\$ 100,980	\$ 217,720	\$ 20,782,280
4	3093316	Isle Of Wight 23	Coastal Investors, Inc.	<u>Well Abandonment/Municipal Connection</u>	Replacement of the existing on-site potable well to a municipal distribution system with 3,000 lf of 6" WM, 3,200 lf of 8" WM, 1,600 lf of 10" WM, 4 fire hydrants and 178 services/meters.	386	40	H	WSL	VWSRF	50%	\$ 996,085	\$ 996,085	\$ 1,213,805	\$ 19,786,195
5	1195050	Wise 1	Big Stone Gap, Town of	<u>Water System Replacement Phase IIB</u>	The project consists of replacement of approximately 6,330 lf of 10-inch waterline, replacement of approximately 6,200 lf of 8-inch waterline, replacement of approximately 5,000 lf of 3/4-inch service line, reconnect 95 residential and commercial connections, install 14 fire hydrant assemblies and associated appurtenances.	8,129	46	H	WSL	VWSRF	50%	\$ 1,039,817	\$ 1,039,817	\$ 2,253,622	\$ 18,746,378
6	1720076	Norton 1	Norton, City of	<u>System-wide Water Improvements Project - Phase I</u>	Replacement of undersized lines with 6,100 lf of 6-inch, 760 lf of 4-inch, 500 lf of 2-inch, 1,200 lf of 3/4-inch, 8 gate valves, 5 fire hydrants, 3 blow-off valves, 1 air release valve, 40 water service reconections with radio read, associated appurtenances and replace 2,000 old meters with radio read. The City will self-perform the meter installation and existing waterlines will be abandoned in-place upon completion of service connections.	3,990	45	H	WSL	VWSRF	50%	\$ 1,472,037	\$ 1,472,037	\$ 3,725,659	\$ 17,274,341
7	119570	Wise 1	Coeburn, Town of	<u>System-wide Water Improvements Project-Phase II</u>	The project will relocate the main water transmission line along VDOT right-of-way, out of swaps, as follows: replace old asbestos-cement with 25,500 lf of 12-inch line, replace 75 lf of 2-inch line, install 30 12-inch, 5 6-inch, 1 4-inch and 1 2-inch gate valve, install 2 blow-off valves, install 12 fire hydrant assemblies and related appurtenances.	3,644	45	H	WSL	VWSRF	50%	\$ 2,115,549	\$ 2,115,549	\$ 5,841,208	\$ 15,158,792

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8	1027061	Buchanan 2	Buchanan County Public Service Authority	<u>Rt. 83 - Flannagan to Vansant Water Facility Replacement Upgrade-Phase I</u>	The installation of 40,000 lf of 18-inch water line, 1,050 lf of 8-inch water line, 100 lf of 6-inch water line, 500 lf of 2-inch water line, 1,500 lf of 1-inch water line, 11,500 lf of 3/4-inch water line, 230 each 3/4-inch water line reconnect, 24 each 1-inch water line reconnect, 2 each 2-inch water line reconnect, 4 each 8-inch water line reconnect 20 each 18-inch isolation valves, 2 each 8-inch isolation valves, 26 each air release valves (water line > 12 inches), 3 each air release valves (water line < 12 inches), 2 each blow-off valves, 40 each fire hydrants, 240 lf water line > 12-inch road crossing, 220 lf water line > 12-inch stream crossing, 420 tons miscellaneous aggregate, 210 C.Y. miscellaneous concrete, 2 each pump station (550 HP) with back-up emergency generators, allowance for pipe grouting, and allowance for overlay & milling.	16,307	44	H	WSL	VWSRF	10%	\$13,568,000	\$ 5,250,000	\$ 11,091,208	\$ 9,908,792
9	1105900	Lee 1	Woodway Water Authority	<u>System-wide Water Improvements Project-Phase II</u>	The project will replace approximately 12550 lf of 4- and 6-inch waterline, 2250 lf of associated 3/4-inch waterline, 1,300 new meters, and associated appurtenances. Existing waterlines will be abandoned in-place upon completion of service connections.	3,277	44	H	WSL	VWSRF	60%	\$ 1,232,071	\$ 1,232,071	\$ 12,323,279	\$ 8,676,721
10	1077335	Grayson 3	Independence, Town of	<u>Water System Replacement Phase 1B</u>	Replacement of approximately 6,300 lf of 8-inch waterline, replacement of approximately 3,100 lf of 6-inch waterline, replacement of approximately 800 lf of 2-inch service line, installation of 11 gate valves, installation of 5 fire hydrant assemblies, replacement of 558 meters with new radio read meters, 18 fire line meters and purchase the radio read software, replacement of the 150,000 water storage tank, and associated appurtenances.	886	44	H	WSL	VWSRF	80%	\$ 1,097,361	\$ 1,097,361	\$ 13,420,640	\$ 7,579,360
11	1173742	Smyth 3	Rye Valley Water Authority	<u>Water Line Replacements</u>	The proposed project includes replacement of approximately 26,700 lf of existing water lines with new 8" and 6" water mains, service connection replacements, and related improvements.	1,328	44	H	WSL	VWSRF	60%	\$ 1,427,630	\$ 1,427,630	\$ 14,848,270	\$ 6,151,730
12	1195050	Wise 1	Appalachia, Town of	<u>System-wide Water Improvements Project-Phase II</u>	The project consists of replacing 6,200 lf of undersized lines with 4- and 6-inch line and related appurtenances, repairing and painting the Ridge Avenue and PRV tanks, repairing the Boggs Avenue and Cold Springs Drive Pump stations, and providing generators for the two (2) pump stations.	2,684	43	H	WSL	VWSRF	60%	\$ 768,772	\$ 768,772	\$ 15,617,042	\$ 5,382,958
13	1195650	Wise 1	Pound, Town of	<u>Water System Improvements - Phase II</u>	Replacement of the Austin Hills Water Storage Tank, installation of approximately 2,000 lf of 8-inch, 8,200 lf of 6-inch water lines, replacement/reconnection of approximately 110 service connections, and installation of related appurtenances.	2,797	43	H	WSL	VWSRF	30%	\$ 2,497,195	\$ 2,497,195	\$ 18,114,237	\$ 2,885,763
14	1105500	Lee 1	St. Charles Water & Sewer Authority	<u>System-wide Improvements Project - Phase I</u>	The project consists of replacing 10,980 lf of undersized lines with 6-inch PVC line with 8-inch ductile iron line and related appurtenances.	1,368	43	H	WSL	VWSRF	80%	\$ 1,431,716	\$ 1,399,637	\$ 19,513,874	\$ 1,486,126
15	2770900	Roanoke City 5	Western Virginia Water Authority	<u>Shenandoah Avenue Water Line Replacement</u>	The proposed project will replace approximately 7,000 lf of existing 12-inch cast iron water main between Peters Creek Road and 30th Street with new 12-inch water main. The majority of the new water main will need to be installed under relatively new asphalt pavement.	180,689	43	H	WSL	VWSRF	0%	\$ 1,500,000	\$ 1,500,000	\$ 21,013,874	\$ (13,874)
16	1167	Russell 2	Russell County Public Service Authority	<u>Green Valley Estates Water Line Replacement</u>	The proposed project consists of the installations of approximately 7,500 lf of 6 inch water line, 1,440 lf of 2 inch water line, 10 6 inch gate vales, five 2-inch gate valves, new meter boxes, tandem setters, prvs, and radio read meters.	180	42	H	WSL	VWSRF		\$ 488,918	\$ 488,918		
17	2015150	Augusta 6	Craigsville, Town of	<u>Water Distribution Upgrades</u>	Replacement of 1930's era piping and all water meters at the service connections with 2,000 lf of 4 inch pipe, 16,800 lf of 6 inch pipe and 1,200 lf of 8 inch pipe.	1,020	42	H	WSL	VWSRF		\$ 3,302,774	\$ 3,302,774		

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18	1035295	Carroll 3	Hillsville, Town of	<u>Water Treatment Plant Improvements</u>	The proposed project includes improvements at the Hillsville WTP, raw water pump station and Howlett Street Tank. The proposed improvements include the following: (2) 6" rate of flow control valves, (2) 8" backwash valves, (2) 6" effluent butterfly valves, (2) 6" finished water butterfly valves, roof over chemical feed room, clearwell baffle improvements, chemical feed system at raw water pump station, filter rehab, (2) 10" filter drain valves, (4) 10" filter effluent valves, (2) 8" raw water swing check valves, (1) 4" altitude valve at Howlett Street Tank, 100,000 gallon backwash holding tank, sedimentation Basin Rehab, (2) 6" rewash valves, (2) 6" finished water check valves, (2) 8" raw water butterfly valves, (2) 4" gate valves @ H.S. Tank and chlorine injection system at filters.	2,647	40	H	WSL	VWSRF		\$ 654,450	\$ 654,450		
19	2023720	Botetourt 5	Town of Troutville	<u>Water System Replacement</u>	The proposed project will replace the deficient water lines with new distribution mains. The parallel 8" & 6" lines along Route 11 will be replaced with a single 10" line. The small diameter (2" & 4") lines along the secondary roads will be replaced with 8" & 6" water lines. A new liquid chlorine chemical feed system, security fencing, and well lot drainage improvements will be the final part of the project.	432	33	H	WSL	VWSRF		\$ 4,318,351	\$ 2,230,437		
20	3175690	Southampton 23	Sedley Water Company	<u>Water System Improvements</u>	The ground storage tank capacity is 30,000 gallons; the hydro-pneumatic tank is 5,000 gallons, the well house is 10 lf by 12 lf, 1,000 lf of 4 inch watermain and 20 lf of 3/4 inch poly tubing service line, 18 tapping saddles, 18 curb stops, 18 compression couplings and five 20 lf... road bores. Replacement of well building, replace 500 lf of 2 inch galvanized watermain and 10 service connection lines, move and replace 500 lf of 2 inch galvanized watermain out of the bottom of a major storm drain ditch and replace 8 service connection lines.	490	30	H	WSL	VWSRF		\$ 225,300	\$ 225,300		
21	6033085	Caroline 16	Caroline County Public Utilities	<u>Caroline Pines</u>	Installation of 18,800 linear feet of AWWA C900 class 150 12-inch PVC pipe. No tanks or pump stations are required.	838	30	H	WSL	VWSRF		\$ 3,060,871	\$ 3,060,871		
22	5690400	Martinsville 12	Martinsville, City of	<u>Replacement of Transite Waterline along Lanier Road</u>	The replacement of an existing 6" transite (asbestos) pipe along Lanier Road. The water line replacement is approximately 2,100 feet in length with a normal pressure in excess of 130 psi.	78	34	H	WSL	VWSRF		\$ 116,008	\$ 116,008		
23	2005600	Alleghany 5	Alleghany County Board of Supervisors	<u>Dolly Ann Waterline Replacement Project</u>	To replace 6,265 linear feet of 6" and 10" waterline with an 8" waterline, replace an old 1-1/4" waterline along Massie Ave with 375 linear feet of 2" line to serve two customers, replace aging valves and fire hydrants, as well as 72 customer service laterals.	2,985	30	H	WSL	VWSRF		\$ 1,232,878	\$ 1,222,878		
24	1185625	Tazewell 2	Pocahontas, Town of	<u>Meter Replacement</u>	To replace the old meters with the new Senus iPearl digital water meters. The project will reduce water losses and increase accountability. The project will also include necessary software and equipment.	1,200	41	H	WSL	VWSRF		\$ 81,228	\$ 81,228		
25	4127925	New Kent 15	Woodhaven Water	<u>Woodhaven Water Line Replacement</u>	The project will provide approximately 27,800 linear feet of 8-inch water line along Lakeshore Drive and will provide a 8-inch loop in the system.	1,051	19	H	WSL	VWSRF		\$ 1,571,350	\$ 1,571,350		
26	5009050	Amherst 11	Town of Amherst	<u>Rt. 60 West Waterline Replacement</u>	Replace the old 6 inch pipe with 6,800 feet of 12 inch diameter ductile iron waterline. A future project would upgrade 2 inch lines.	2,777	27	H	WSL	VWSRF		\$ 1,214,000	\$ 1,214,000		
27	1167	Russell 2	Russell County Public Service Authority	<u>Radio Read Meter Replacement</u>	The proposed project consists of the installation of approximately 1,750 radio read meters to replace the existing touch read meters remaining in the water system. The project will reduce water losses and increase accountability.	4,883	37	H	WSL	VWSRF		\$ 436,924	\$ 436,924		

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28	5413246	Pittsylvania 12	Town of Hurt	<u>Water Booster Pump Station Upgrade</u>	To replace the station pumps with more efficient ones, replace the existing control system with a more modern touch screen control system, and an updated dialer to relay the tank levels and pump status to the Altavista WTP so that the operators can coordinate water production. The updated dialer will also be used to relay emergency alarms to the Town of Hurt operator and other responsible parties.	1,275	27	H	WSL	VWSRF		\$ 80,000	\$ 80,000		
29	5147500	Prince Edward 14	Prince Edward County	<u>Sandy River Reservoir Water Treatment &amp; Distribution Project</u>	The development of a 2 MGD WTP on the Sandy River Reservoir and the construction of a distribution system to provide water to the Town of Crewe and Burkeville and to areas of Prince Edward County.	2,758	32	H	WSL	VWSRF		\$25,720,900	\$ 6,369,304		
30	1195700	Wise 1	Town of St. Paul	<u>Water Storage Tank Rehabilitation</u>	The project will repaint water storage tanks in the Town and replace tank panels on the Grey Hills water tank that were damaged by vandalism. A real-time radio telemetry system will be installed at each tank to provide information to the WTP SCADA system.	860	31	H	WSL	VWSRF		\$ 372,396	\$ 346,000		
31	1640243	Galax 3	Galax, City of	<u>Tower Road Pressure Reducing Valve Water Project</u>	The project consists of the installation of a pressure regulating valve and meter in parallel with the Carroll County PSA Tower Road Pump Station to permit water flow back into the City water system. It also includes the relocation of the existing CCPSA Tower Road Pump Station to a lower elevation of approximately 90-feet to allow for proper operation of the Tower Road Pump Station and the City water distribution system without the presence of the Spivey Reservoir connected to the water system. It will also involve the installation of approximately 800-feet of 6" water main to reconnect the relocated Tower Road Pump Station and the proposed Spivey PRV Station to the City distribution system. The plans will include the demolition and disposal of the Spivey Reservoir after receipt of an approved CTO from VDH.	230	30	H	WSL	VWSRF		\$ 120,000	\$ 120,000		
32	2015150	Augusta 6	Craigsville, Town of	<u>Well Development</u>	The project consists of installation of 1-drilled well, 1-pitless adapter, 1-15 Hp pump, 1-pump house, 1-pump with VFD, 500 lf of 4 inch pipe and 20 filter modules, 1-350 KW emergency generator and 1-accounting billing software.	1,020	29	H	WSL	VWSRF		\$ 685,194	\$ 685,194		
33	1169650	Scott 1	Scott County Public Service Authority	<u>Manville Phase 3 Water Project</u>	Installation of 4,300 lf of 8" water service line, installation of 52,500 lf of 6" water service line, installation of 5,600 lf of 4" water service line, installation of 5,600 lf of 2" water service line, installation of 8,050 lf of 3/4" water service line, installation of 125 3/4" x 5/8" water meter settings, installation of 57 fire hydrants, and new water service offered to approximately 125 households.	310	29	H	WSL	VWSRF		\$ 2,708,399	\$ 2,708,399		
34	1169200	Scott 1	Scott County Public Service Authority	<u>Kingdom Road/Goode Hollow Water Project</u>	Installation of 38,300 lf of 6" water line, 18,200 lf of 2" water line, 2 Master Meter/PRVs, 31 gate valves, 18 fire hydrants, 72 water meters, 3,600 lf of 3/4" water service line, 720 lf of 1" water service line, encased water line road crossing trenched or bored, and all other accessories related to water line construction.	167	29	H	WSL	VWSRF		\$ 1,774,943	\$ 1,774,943		
35	2017095	Bath 6	Bath County Service Authority	<u>High School Well No. 2</u>	The installation of 65 gpm well pump, 500 lf of 2" and 3" diameter piping, new well pump controls and wiring, chlorination equipment, and miscellaneous electrical work. Project will utilize (and modify) existing well building to house new chlorination equipment and controls.	1,845	21	H	WSL	VWSRF		\$ 49,950	\$ 49,950		
36	4127885	New Kent 15	New Kent County	<u>Whitehouse Farms Storage Improvements</u>	The project will repair and reline (interior and exterior) one 15,000 gallon horizontal water tank, one 5,000 gallon hydropneumatic tank, and replace five concrete/block tank, pedestals and footers; and reline one 10,000 gallon storage and add it at the site including footers, approximately 65 feet of 4 inch piping to tie in the tank, and the installation of level sensors for the new tank.	5,253	11	H	WSL	VWSRF		\$ 100,000	\$ 100,000		

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37	5117707	Mecklenburg 13	Roanoke River Service Authority	<u>RRSA PAC Silo Project</u>	The installation of a 20,000 lb PAC capacity silo detached from the water treatment plant. The feeder and all mechanical equipment would be enclosed within the silo housing, and the assembly will be equipped with a dust collector to cleanse the air that escapes from the silo.	8,632	26	O	WSL	VWSRF		\$ 474,200	\$ 474,200		
38	1167	Russell 2	Russell County Public Service Authority	<u>Refinancing of Main Line Projects</u>	The proposed refinancing of a 5 year bond for the completion of water lines within Russell County along the Rt. 19 corridor from the Tazewell County line to the Washington County line with approximately 74,800 lf of 8-inch, 24,540 lf of 6 inch, 13,480 lf of 4 inch and 10,660 lf of 2 inch, installation of two water pump stations, and for Rt. 19 mains (phase 02 segment): approximately 9,060 lf of 8 inch, 4,600 lf of 6 inch, 800 lf of 4 inch and 5,360 lf of 2 inch.	4,883	24	O	WSL	VWSRF		\$ 3,510,000	\$ 3,510,000		
39	2139330	Page 7	Luray, Town of	<u>Forest Hills Water Booster Pump Station</u>	To upgrade the booster pump station with two 3HP pumps each rated at 50 GPM @ 50 psi provided on a factory mounted skid with automatic variable speed control operation to maintain a constant discharge pressure.	101	15	I	WSL	VWSRF		\$ 78,250	\$ 78,250		
41	3131210	Northampton 22	Exmore, Town of	<u>Well Development Project</u>	The development of two new wells to replace existing wells. The wells will be 8' in diameter and 220' deep and will be located adjacent to existing wells.	1,500	0	I	WSL	VWSRF		\$ 293,800	\$ 293,800		
40	3001140	Accomack 22	Trails End Utility Co. Inc	<u>New Storage Tank</u>	An additional storage tank consisting of nominal inside diameter-21.54 ft., cone " raise to 12" run (9.46) slope, Nominal Eave Height-24.55 ft., 838 US gallons based on 18' total freeboard, 12" at top of tank above overflow weir cone and 6" at bottom of tank below invert of outlet nozzle, bottom system-flat steel bottom, roof style-steel and usable capacity 62.	600	0	I	WSL	VWSRF		\$ 100,000	\$ 100,000		

**NOTES:**

VDH expects to have approximately \$21,000,000 for project funding. Additional projects will be funded in priority order as funds become available.

VDH reserves the right to switch funding sources to meet the needs of the SRF Program and EPA grant requirements.

All projects receiving principal forgiveness shall have the remainder of the project funded with a 30 year 3% loan.

All projects not receiving principal forgiveness shall be funded with a 20 year loan with the rate set at closing.

**Commonwealth of Virginia  
Drinking Water State Revolving Fund Program  
Intended Use Plan  
For the DWSRF FY2012 Capitalization Grant**

**June 1, 2012**



**Commonwealth of Virginia  
 Drinking Water State Revolving Fund Program  
 Intended Use Plan for FY 2012 Capitalization Grant**

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FY2012 DWSRF Set-Aside Suggested Use Schedule	Attachment 3
FY2012 IUP Funding Summary with Set-Aside	Attachment 4

## I. Introduction

In accordance with the federal Safe Drinking Water Act Amendments (SDWA) of 1996 (P.L.104-182), which establish a Drinking Water State Revolving Fund (DWSRF) Program to eligible states through a capitalization grant, the Virginia Department of Health (VDH) Office of Drinking Water (ODW) will be making application for federal funding under the FY 2012 DWSRF grant funds. The Commonwealth of Virginia has \$15,215,000 available for utilization under this program.

The VDH has primary enforcement responsibility (primacy) for the Virginia's drinking water programs, and as such, is the designated agency to apply for and administer the capitalization grant for the DWSRF Program and related state funds.

This Intended Use Plan (IUP) includes the 2012 Project Priority List (Projects 1 through 27)/2012 Comprehensive Project List (Attachment 1) and the Additional Subsidization, Assistance to Small Systems, and GPR (Attachment 2). The *Virginia Drinking Water State Revolving Fund Program - Program Design Manual*, dated January 3, 2011, (available upon request) is part of the IUP and outlines the Program's overall goals, 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. In compliance with the requirement in SDWA sec. 1452(b)(1), the IUP undergoes public review and comment through a combination of mailings, internet postings, and a public meeting that will be held in Richmond at a later date. The IUP cover letter is also placed in the General Notices section of the Virginia Register. This IUP will be made available for public comment for a 60 day period beginning in early June 2012.

## II. DWSRF Program Goals

VDH is committed to using the capitalization grant for which it is applying to provide assistance to water systems through set-asides and for capital improvement projects that will further the public health protection objectives of the Safe Drinking Water Act. VDH's goal is to enter into binding commitments for projects which will proceed to construction or award of construction contracts within twelve months of initial offers of assistance. VDH intends to award all assistance available under this capitalization grant in full conformance with the DWSRF program and the terms and conditions of the capitalization grant award.

The Virginia DWSRF Program activity incorporates the federal, state match, program revenue and repayments, and miscellaneous additional funds to implement the statewide programs to ensure adequate and safe drinking water to citizens. The construction loan and grant funds, in conjunction with the set-aside funds, provide funding sources for infrastructure projects, planning projects, sample testing, capacity development initiatives, state administrative costs, training, technical assistance, wellhead and source water protection, and other activities designed to enhance the state's water programs.

The Project Priority List (PPL) (Attachment 1) details the construction projects to be funded, in priority order, and other relevant project information (VDH intends to fund Projects 1 through 27). The Comprehensive Project List (Attachment 1) details all eligible projects submitted during this state application process, and provides additional projects to be funded in priority order, should funding become available.

The set-aside funds will be used to maintain and advance waterworks support initiatives that contribute to the sustainability of safe drinking water. The set-asides funds are made available to assist waterworks owners in preparing for future waterworks challenges. Although the waterworks and their consumers will be the direct benefactors of these funding efforts, the initiatives may originate with any number of concerned parties and may be used in cooperative efforts with other entities to maximize the outcome.

The set-aside uses are outlined on pages 7-11 of this document, and detailed in Attachment 4.

In addition to funding the technical support activities for waterworks, the current year set-asides will provide funding for critical activities such as additional training and development for staff and waterworks operators, procuring new office and technical equipment for field offices, obtaining critically needed database upgrades, and program operation support costs.

#### **A. Long Term and Short Term Goals**

VDH is committed to promoting and protecting the health of Virginians. That mission is supported by a number of critical functions including activities implemented by the ODW. ODW supports the mission through regulatory, technical, and financial programs designed to enhance the quality of water provided to the citizens of the Commonwealth. The DWSRF program provides VDH with the means to achieve these goals.

VDH has a goal to utilize the DWSRF resources to implement a long-term, sustainable program focused on providing technical, financial, and managerial resources to waterworks owners. VDH will accomplish this through an integrated assistance program to provide technical and financial resources targeted to waterworks that exhibit a specific need for assistance. VDH has established the following priorities for the DWSRF program:

#### **Long Term**

- Ensure the sustainability of the DWSRF program and related funding to benefit Virginians over the greatest number of years.
- Protect the public health and welfare by supporting activities that ensure 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 programmatic, technical, and construction assistance.

- Assist waterworks owners to develop long term strategies for sustainable infrastructure (managerial, technical, and financial capability) to provide safe drinking water.
- Assist waterworks owners in the protection of their source waters by supporting source water protection programs.
- Make technical and financial assistance available to waterworks owners and consumers through effective outreach programs.

### Short Term

- Allocate DWSRF Program funds efficiently so Virginians may realize a prompt benefit.
- Assist waterworks owners through 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.
- Require that all new Community and Nontransient Noncommunity water systems beginning operation after October 1, 1999, demonstrate the technical, financial, and managerial capacity required to operate a waterworks.
- Ensure that state operator certification regulations meeting EPA national requirements are applied. Ensure that training courses are provided that meet the needs of the lower classifications of licensed operators at the smaller waterworks.

### **B. Coordination with Enforcement**

VDH coordinates efforts between Capacity Development Program; Financial, Construction Assistance Program (FCAP); and the Enforcement section of the Office of Drinking Water utilizing EPA's Enforcement Targeting Tool (ETT) to identify noncompliant waterworks with health-based violations. These waterworks are directly notified by letter of available Drinking Water State Revolving Fund (DWSRF) opportunities approximately one month before the application deadline.

During FY2011, Red Oaks Mobile Home Park was identified as a waterworks that would benefit from DWSRF funding. This waterworks experiences persistent fluoride PMCL violations and was identified by using the ETT; and coordinating with Enforcement and FCAP staff. The owner was contacted during February 2011 and applied to the DWSRF program. Red Oaks Mobile Home Park ranked as project number 4 on the Project Priority List for FY 2012 and has accepted the FCAP offer to connect to county water system to resolve the fluoride PMCL health issue. We expect these efforts to increase the number of FCAP projects that resolve health-based violations.

### **C. Demonstration Project for the Commonwealth of Virginia**

The SDWA authorizes Virginia to establish a special demonstration project to loan funds to a regional endowment for "...financing 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.

### **D. 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 transfers are expected.

No Department of Environmental Quality (DEQ), Clean Water State Revolving Fund (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.

### **E. Financial Health**

The DWSRF Program will be managed to maximize benefits available to waterworks owners and Virginians. The financial health of the program is reflected in both the active non-construction activities and in funding opportunities. Both areas are integrated and affect the other's success, i.e. activities promoting or enhancing delivery of a safe drinking water reduce the demand on the loan area by ensuring the long-term well being of the waterworks. The DWSRF (the Fund) will be maintained in perpetuity for providing financial assistance as authorized and limited by the SDWA. The 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 the Fund. By coordinating the two areas of non-construction and project loans, the overall long-term financial health of the program will be maintained for the maximum benefit of Virginians. This coordination will be done by the strategic coupling of programmatic considerations with the results of a planning model that examines the aggregate effects of altering financial parameters of the program. Procedures will be revised or implemented, as needed, based on the results of the annual assessment.

In the Disadvantaged Program as 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 waterworks business operations plan will reduce the demand on the loan fund by ensuring the long term well-being of the waterworks. The waterworks business operations plan is used to ensure a new (or struggling) owner has the managerial, technical, and financial capacity to provide for the long-term operation of the waterworks. These initiatives 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 loans to a regional endowment, and such loans will be repaid with terms and conditions in the same manner as all other project loans. These loan funds will be invested; investment proceeds can be for uses other than normally specified by Congress to assist communities in Southwest Virginia in correcting water problems.

### **III. Sources and Uses of Funds**

VDH is applying for a capitalization grant in the amount of \$15,215,000. This represents the amount that VDH will be eligible to receive under the DWSRF FY2012 appropriation.

#### **A. Sources of Funds**

The IUP Summary details the cumulative funding available for FY12 and the projected distribution between construction and set-aside funds. The Allocation Summary details all major funding allocations since the program's inception in FY97. The detail of set-aside funds reserved and allocated is captured, along with this year's allocation of set-aside funds.

Virginia's 20% state match for the capitalization grant is deposited into a dedicated state loan fund, the *Virginia Water Supply Revolving Fund* (§62.1-233 et seq.), established under the *Code of Virginia*. Also specified in the *Code of Virginia*, and in conjunction a VDH Memorandum of Understanding, are roles and responsibilities for the Virginia Resources Authority (VRA) pertaining to individual construction loans and processes.

In order to meet the established 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.

#### **B. Construction Projects**

VDH intends to provide approximately \$21,558,482 in DWSRF construction funds (from the 2012 cap grant, state match, and repaid interest and principal). The PPL (Attachment 1) identifies the VDH construction projects to receive dollars for funding in priority order, with funding breakdowns and other relevant project information. The PPL represents approximately \$21.558 million in requested assistance funds; however, this total will be adjusted by VDH based on EPA funding, applicant responses, project readiness in accordance with DWSRF criteria, changes in project scope, and/or actual construction bid results. VDH will utilize available SRF funds from prior year grant awards should any additional funds be required. The Comprehensive Project List (Attachment 1) details all projects submitted during this state application process. If additional funds become available, VDH will continue down the list to fund eligible projects in priority order.

The EPA established certain requirements and goals for use of the DWSRF funds for water infrastructure construction. These include a requirement that not less than 20% nor more than 30% of the funds are to be used for additional subsidization in the form of principal forgiveness,

negative interest loan, grants or combination. In order to meet the established goals and requirements of the DWSRF capitalization grant, VDH reserves the right to bypass higher ranked projects if necessary, to achieve the 20% floor, 30% ceiling additional subsidization requirement or the 20% GPR goal.

EPA requests that states set a pace target in each IUP. VDH's pace for FY11 was 85%. VDH will use 85% for a pace target for FY2012.

### 1. Loan Terms and Fees

Under the DWSRF Program, the repayment period for loans is 20 years at an interest rate equal to one percent below the prevailing "AA" market rate at loan closing.

Principal forgiveness, lower interest rates, and 30-year term loans may also be provided for those recipients whose projects qualify as "disadvantaged". See the DWSRF Program Design Manual for details.

### 2. Additional Subsidization

The 2012 DWSRF requires that no less than 20% and no more than 30% of assistance provided be in the form of additional subsidies. These may be negative interest rates, principal forgiveness, grants, or any combination of these. The VDH does not intend to provide any funding as negative interest rates or grants; however, principal forgiveness will be provided for eligible projects. The fundable range of the PPL (Attachment 1) demonstrates the percent of the capitalization grant that will be provided via principal forgiveness. Any subsequent revision to this PPL will likewise demonstrate that between 20% and 30% of the capitalization grant will be provided via principal forgiveness.

### 3. Green Infrastructure

According to the 2012 DWSRF procedures, funds provided for projects to be used for water efficiency, energy efficiency, green infrastructure, or other environmentally innovative activities are optional. The VDH has captured the funds provided in support of a Green Project Reserve (GPR) in Attachment 2.

### 4. Assistance to Small Communities

All states are required to provide, to the extent possible, a minimum of fifteen percent (15%) of funds available annually for loans to small systems. Small systems are those that serve fewer than 10,000 persons. Based on the projects in the fundable range of the PPL, VDH may be able to provide approximately 64% of the funds available to small systems (see Attachment 2).

### 5. Waivers for Federally Designated Natural Disaster Areas

As needed for DWSRF projects in federally designated natural disaster areas, Virginia will coordinate with EPA Region III and the EPA Office of Small Business Programs to obtain a waiver from the disadvantaged business enterprise requirements of 40 CFR Part 33. As needed for DWSRF projects in federally designated natural disaster areas, Virginia will coordinate with EPA Region III and the U.S. Department of Labor to determine the extent that the Davis Bacon Act provisions apply to emergency projects.

## 6. Emergency Projects

A project identified in this IUP may be bypassed to provide funding for an emergency project where a severe public health or water quality problem exists, that requires the immediate construction of facilities to eliminate an existing potentially hazardous condition. A project not on the current PPL may be funded only if it meets the above emergency criteria. Any project previously identified on an IUP that is bypassed because of the “emergency project” will be given priority for future SRF loan funding.

## C. Set-Asides:

The set-asides are four categories of non-project funds that will be used for specified purposes up to a maximum amount allowable by federal statute and available through the current year grant award. Attachment 3 lists the suggested uses of set-aside funds proposed during the solicitation or public input phase of IUP development. Attachment 4 outlines the detailed workplan and budgeted spending for this IUP set-aside funding. An overview of major funding initiatives for the set-aside funds is given below.

### 1. Administration and Technical Assistance:

The entire 4% available and allowed for the current year is being requested.

a. Administration – These funds will support the administrative functions of the Program, including one (1) Project Engineer and the Financial and Construction Assistance Program (FCAP) Division Director positions supported in prior years by this funding source, a newly-established DWSRF fiscal technician position, and applicable hours submitted by other staff. The latter positions are charged to other funding sources, but actual time applied to DWSRF administrative activities will be charged to these funds. Other administrative costs pertain to the review of applications and selected projects, application workshops, environmental reviews, analysis of applicants’ ability to repay loans, and VDH travel to EPA/CIFA meeting.

From this grant, VDH funds 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 in EPA’s annual onsite program review.

Funds are also provided for legal assistance in contract renewals/commitments, proportional lease payments, insurance costs, and audit services.

b. Technical Assistance – No activity.

### 2. Small System Technical Assistance:

Virginia is requesting \$291,817 or 1.92% of the full 2% available and allowed of the Small System Technical Assistance funding. VDH reserves the remaining \$12,483 for use in future grants.

- a. Funding is provided to support five (5) part-time inspector positions to cover transient non-community waterworks.
- b. Training - Provide specialty seminars and training events for waterworks owners/operators on various topics. Virginia Tech was awarded contracts to conduct training and to provide scholarships to training courses for disadvantaged operators/owners.

### 3. State Program Management:

Virginia is requesting the entire 10% available and allowed of set-aside funding for the current year.

#### a. Public Water System Supervision

- Continue the consolidation of regulatory oversight of the transient noncommunity waterworks within the Office of Drinking Water by supporting six (6) full-time positions, and one (1) part-time regulation developer.
- Improve the process to implement new federal rules and enforcement actions. Funds will pay for one (1) full-time paralegal position to assist in developing and processing the adoption of any necessary regulations, and strengthening enforcement actions.
- Continue funding (1) environmental engineer/geologist position to assist with project management, planning grants, and environmental reviews.
- Continue funding for the Personnel Analyst to address ODW hiring, retention, continuity planning, and supervisory development.
- Additionally, staff hours for time applied to PWSS support will be charged to this grant based on actual hours reported.
- Fund the Employee Training and Development Coordinator to facilitate technical and administrative training, and address continuity development.
- Fund the Database Administrator that is currently funded under another grant that is due to expire in July 2012.
- Fund the (Central Office) technical services engineer as a liaison with field offices, waterworks, labs, and other state agencies, and EPA. No new funding is requested.
- Continue funds to support a courier system to deliver required samples to Division of Consolidated Laboratory Services (DCLS). No new funding is requested.
- Continue funding for technical training, web casts, travel, conferences, on-line training, and meetings for staff. No new funding is requested.

- Continue vehicle maintenance for field work. No new funding is requested.
- Continue funding for replacement copy machines, fax machines, printers, GPS systems, cell phones, pressure recorders, test gauges, and colorimeters. No new funding is requested.
- Continue lease payments for central and field offices.
- Continue funding for digitizing archived files and implementation of enterprise content management (ECM). No new funding is requested.
- Continue funding for database development.

b. Source Water

- Funding for a part-time wage position to assist in Source Water Protection activities.
- Travel and training for water protection activities. No new funding is requested.

c. Capacity Development

- No activity under the 10% capacity development; funded under 15% set-aside.

d. Operator Programs

- Activities now funded under 15% set-aside.

4. Local Assistance and other State Programs:

Virginia is limited to 15% of the available and allowed, with no more than 10% in a category. VDH is not requesting any of this set-aside funding for the current year. Initiatives funded upon prior year grants, as well as newly-established initiatives, will continue in this grant performance period.

a. Loan and Protection Measures – No new money is added this year.

b. Capacity Development

- Funding for one (1) full-time and one (1) part-time position to develop and oversee all capacity development programs, data collection, and reporting. Expenditures also include travel related to program development and data collection. No new funding is requested.

- Technical Assistance - continue funds for capacity development/project planning technical assistance grants. No new funding is requested.
- Receivership Program - The Virginia Department of Health has statutory authority to petition a circuit court to place a waterworks into receivership. Receivership is a stop-gap measure to fund a receiver to operate and maintain a waterworks for a limited time (generally no more than one year) until a long-term solution can be achieved. Receivership, however, is a limited tool in VDH's enforcement arsenal and there has not been a situation where it could be used effectively since it was enacted in 2003. It is extremely difficult to project potential funding needs for possible receivership cases in the future. VDH cannot anticipate when a waterworks may be referred from a field office that will fit the criteria for receivership, nor the size of such waterworks--both factors having a direct correlation to the amount of money needed to hire a receiver to operate and maintain the waterworks for approximately one year while the waterworks is in receivership.
- DWSRF database upgrades and integration funding.
- Short course entitled "Establishing a Successful and Sustainable Waterworks: Revenues, Rates, and Funding Short Course" will assist waterworks owners in full-cost pricing, staffing, and business plan development.
- Short course entitled "Hands-on Training at a Full Scale Water Plant" - a hands-on training will be offered in Salem at a full-scale water plant. The goal of the short course is to provide hands-on activities related to the full-scale, conventional water treatment plant and operator water quality control. The participants will backwash filters, perform filter drop and rise tests, feed chemicals, disassemble and reassemble equipment such as pumps and meters, measure the concentration of contaminants in the wastewater, etc.
- Outreach training for Drinking Water Fluoridation will also be offered and conducted by VDH staff.
- Distance learning website funding to support the Mountain Empire Community College program.
- New training programs include *Small System Applied Math*, *Fundamental Principles of Asset Management*, and *The Capacity Development Course* that addresses planning, going green, asset management, and hands-on operations.
- Outreach materials, training supplies, and digital cameras continued funding.
- Funding for software and database upgrades.
- Asset management and GIS upgrades are new activities beginning this year.

- Funds are also provided for legal assistance in contract renewals/commitments, proportional lease payments, insurance costs, and audit services.
- c. Source Water – No new money is added this year.
- d. Wellhead Protection - No new funding is requested.
- Funding for additional staff time directed toward wellhead protection activities by positions funded by other grants/set-asides. No new funding is requested for these activities.
  - Funds are proposed for use in supplementing existing state efforts to further protect source water. Collaboration has been established between Virginia Department of Environmental Quality (DEQ) and ODW to further initiatives begun in 2005. While DEQ assumes the lead in funding and coordination with waterworks, ODW provides funding and project approval input.

Over the past year, increased funding coordination and collaboration has occurred between DEQ and ODW in an effort to optimize the state's program and resources.

- Contractual – new contracts have been issued to CHA, Golder Associates and TetraTech to continue the Source Water Protection Program services that were provided under a single previous contract.

#### **IV. Public Review and Comment**

In compliance with the requirement in SDWA sec. 1452(b)(1) to provide for public review and comment, the IUP undergoes public comment via mailings, internet, and a public meeting. The IUP cover letter is also placed in the General Notices section of the Virginia Register.

The VDH posted the PPL in late 2011 and has received no public comments to date.

The VDH will post this Intended Use Plan at <http://www.vdh.virginia.gov/ODW/financial/IntendedUsePlan12.htm> for a 60 day public comment period beginning in early June 2012. The VDH also provided notice by email of the availability of the final IUP to all organizations and individuals on its distribution list.

# ATTACHMENT 1

## 2012 PROJECT PRIORITY LIST (Projects 1 through 27)

### 2012 COMPREHENSIVE PROJECT LIST

Designation Codes:

H - Health (A-Acute, C-Chronic, P-Public)

O - Other

I - Incomplete

N - Not Eligible

Priority	PWSID	City/ County	Owner	Project Name	Project Description	Population	Point Total	Designation	Prgm Type Code	Principal Forgiveness	Project Cost	SRF Amount	Cumulative SRF Amount	Notes
1	1191883	Washington 3	Washington County Service Authority	<u>Hillandale Road Line Extension</u>	The project would construct approximately 1,500 feet of 4 inch water line along Hillandale Road (Route 779), connect to a 6 inch water line along Maiden Creek Road (Route 741) and would be fed by a 4 inch line.	8	31	H-A	WSAG	100%	\$ 56,950		\$ -	100% State Funded
2	1191883	Washington 3	Washington County Service Authority	<u>Red Fox Lane Water Line Extension</u>	The project would connect to an existing 4 inch water line paralleling Clinchburg Road, located in northern Washington County, and extend 1,570 feet to the south along Red Fox Lane and then Raccoon Drive and would be fed by a 4 inch line.	8	31	H-A	WSAG	100%	\$ 59,790		\$ -	100% State Funded
3	1191883	Washington 3	Washington County Service Authority	<u>North Fork River Road at Tumbling Creek WL Extension</u>	The project would connect to a future 4 inch water line along the southern portion of Tumbling Creek Road and extend 1,400 feet to the east along North Fork River Road and would be fed by a 4 inch line.	10	30	H-A	WSAG	100%	\$ 100,980		\$ -	100% State Funded
4	3093316	Isle Of Wight 23	Red Oaks - Coastal Investors, Inc.	<u>Well Abandonment/Municipal Connection</u>	Replacement of the existing on-site potable well to a municipal distribution system with 3,000 feet of 6" pipe, 3,200 feet of 8" pipe, 1,600 feet of 10" pipe, 4 fire hydrants and 178 services/meters.	386	60	H-C	VWSRF/WSAG	50%	\$ 996,085	\$ 498,042	\$ 498,042	Partial State Funding
5	1195050	Wise 1	Big Stone Gap, Town of	<u>Water System Replacement Phase IIB</u>	The project consists of replacement of approximately 6,330 feet of 10-inch pipe, 6,200 feet of 8-inch pipe, 5,000 feet of 3/4-inch line, and reconnect 95 residential and commercial connections, and install 14 fire hydrant assemblies and associated appurtenances.	8,129	46	H-P	VWSRF/WSAG	65%	\$ 1,039,817	\$ 363,937	\$ 861,979	Partial State Funding
6	1720076	Norton 1	Norton, City of	<u>System-wide Water Improvements Project - Phase I</u>	Replacement of undersized lines with 6,100 feet of 6-inch, 760 feet of 4-inch, 500 feet of 2-inch, 1,200 feet of 3/4-inch, 8 gate valves, 5 fire hydrants, 3 blow-off valves, 1 air release valve, 40 water service reconstructions with radio read, associated appurtenances and replace 2,000 old meters with radio read. The City will self-perform the meter installation and existing waterlines will be abandoned in-place upon completion of service connections.	3,990	45	H-P	VWSRF	50%	\$ 1,652,800	\$ 1,652,800	\$ 2,514,779	
7	119570	Wise 1	Coeburn, Town of	<u>System-wide Water Improvements Project-Phase II</u>	The project will relocate the main water transmission line along VDOT right-of-way, out of swaps, as follows: replace old asbestos-cement with 25,500 feet of 12-inch line, replace 75 feet of 2-inch line, install 30 12-inch, 5 6-inch, 1 4-inch and 1 2-inch gate valve, install 2 blow-off valves, install 12 fire hydrant assemblies and related appurtenances.	3,644	45	H-P	VWSRF		\$ 2,115,549		\$ 2,514,779	Declined Offer
8	1027061	Buchanan 2	Buchanan County Public Service Authority	<u>Rt. 83 - Flannagan to Vansant Water Facility Replacement Upgrade-Phase I</u>	The installation of 40,000 feet of 18-inch water line, 1,050 feet of 8-inch water line, 100 feet of 6-inch water line, 500 feet of 2-inch water line, 1,500 feet of 1-inch water line, 11,500 feet of 3/4-inch water line, 230 each 3/4-inch water line reconnect, 24 each 1-inch water line reconnect, 2 each 2-inch water line reconnect, 4 each 8-inch water line, road/stream crossings, valves, appurtenances and 2 pump station (550 HP) repair/replacement with back-up emergency generators.	16,307	44	H-P	VWSRF/WSAG	20%	\$ 7,887,280	\$ 6,312,280	\$ 8,827,059	Partial State Funding
9	1105900	Lee 1	Woodway Water Authority	<u>System-wide Water Improvements Project-Phase II</u>	The project will replace approximately 12,550 feet of 4- and 6-inch waterline, 2250 feet of associated 3/4-inch waterline, 1,300 new meters, and associated appurtenances. Existing waterlines will be abandoned in-place upon completion of service connections.	3,277	44	H-P	VWSRF	60%	\$ 1,306,800	\$ 1,306,800	\$ 10,133,859	

# ATTACHMENT 1

Priority	PWSID	City/ County	Owner	Project Name	Project Description	Population	Point Total	Designation	Prgm Type Code	Principal Forgiveness	Project Cost	SRF Amount	Cumulative SRF Amount	Notes
10	1077335	Grayson 3	Independence, Town of	<u>Water System Replacement Phase 1B</u>	Replacement of approximately 6,300 feet of 8-inch waterline, 3,100 feet of 6-inch waterline, 800 feet of 2-inch service line, installation of 11 gate valves, installation of 5 fire hydrant assemblies, replacement of 558 meters with new radio read meters, 18 fire line meters and purchase the radio read software, replacement of the 150,000 water storage tank, and associated appurtenances.	886	44	H-P	VWSRF	80%	\$ 1,160,000	\$ 1,160,000	\$ 11,293,859	
11	1173742	Smyth 3	Rye Valley Water Authority	<u>Water Line Replacements</u>	The project includes replacement of approximately 26,700 feet of existing water lines with new 8" and 6" water mains, service connection replacements, and related improvements.	1,328	44	H-P	VWSRF		\$ 1,427,630		\$ 11,293,859	Declined Offer
12	1195050	Wise 1	Appalachia, Town of	<u>System-wide Water Improvements Project-Phase II</u>	The project consists of replacing 6,200 feet of undersized lines with 4- and 6-inch line and related appurtenances, repairing and painting the Ridge Avenue and PRV tanks, repairing the Boggs Avenue and Cold Springs Drive Pump stations, and providing generators for the two (2) pump stations.	2,684	43	H-P	VWSRF/WSAG	70%	\$ 768,772	\$ 230,632	\$ 11,524,491	Partial State Funding
13	1195650	Wise 1	Pound, Town of	<u>Water System Improvements - Phase II</u>	Replacement of the Austin Hills Water Storage Tank, installation of approximately 2,000 feet of 8-inch, 8,200 feet of 6-inch water lines, replacement/reconnection of approximately 110 service connections, and installation of related appurtenances.	2,797	43	H-P	VWSRF/WSAG	70%	\$ 2,497,195	\$ 749,200	\$ 12,273,691	Partial State Funding
14	1105500	Lee 1	St. Charles Water & Sewer Authority	<u>System-wide Improvements Project - Phase I</u>	The project consists of replacing 10,980 feet of undersized lines with 6-inch PVC line with 8-inch ductile iron line and related appurtenances.	1,368	43	H-P	VWSRF	80%	\$ 1,471,324	\$ 1,471,324	\$ 13,745,015	
15	2770900	Roanoke City 5	Western Virginia Water Authority	<u>Shenandoah Avenue Water Line Replacement</u>	The proposed project will replace approximately 7,000 feet of existing 12-inch cast iron water main between Peters Creek Road and 30th Street with new 12-inch water main.	180,689	43	H-P	VWSRF	0%	\$ 1,500,000	\$ 1,500,000	\$ 15,245,015	
16	1167	Russell 2	Russell County Public Service Authority	<u>Green Valley Estates Water Line Replacement</u>	The proposed project consists of the installations of approximately 7,500 feet of 6 inch water line, 1,440 feet of 2 inch water line, 10 gate vales, five 2-inch gate valves, new meter boxes, tandem setters, prvs, and radio read meters.	180	42	H-P	WSAG	100%	\$ 488,918		\$ 15,245,015	100% State Funded
17	2015150	Augusta 6	Craigsville, Town of	<u>Water Distribution Upgrades</u>	Replacement of 1930's era piping and all water meters at the service connections with 2,000 feet of 4 inch pipe, 16,800 feet of 6 inch pipe and 1,200 feet of 8 inch pipe.	1,020	42	H-P	VWSRF/WSAG	30%	\$ 3,302,774	\$ 2,311,942	\$ 17,556,957	Partial State Funding
18	1035295	Carroll 3	Hillsville, Town of	<u>Water Treatment Plant Improvements</u>	The project includes improvements at the Hillsville WTP, raw water pump station and Howlett Street Tank. The proposed improvements include: raw water, flow control, backwash, effluent, finished water, and filter valves, roof over chemical feed room, clearwell baffle improvements, chemical feed system at raw water pump station, filter rehab, altitude valve at Howlett Street Tank, 100,000 gallon backwash holding tank, sedimentation basin rehab, valves at the H.S. Tank and chlorine injection system at filters.	2,647	40	H-P	VWSRF/WSAG	50%	\$ 746,900	\$ 373,450	\$ 17,930,407	Partial State Funding
19	2023720	Botetourt 5	Town of Troutville	<u>Water System Replacement</u>	The project will replace the deficient water lines with new distribution mains. The parallel 8" & 6" lines along Route 11 will be replaced with a single 10" line. The small diameter (2" & 4") lines along the secondary roads will be replaced with 8" & 6" water lines. A new liquid chlorine chemical feed system, security fencing, and well lot drainage improvements will be the final part of the project.	432	33	H-P	VWSRF		\$ 2,230,437		\$ 17,930,407	Declined Offer

# ATTACHMENT 1

Priority	PWSID	City/ County	Owner	Project Name	Project Description	Population	Point Total	Designation	Prgm Type Code	Principal Forgiveness	Project Cost	SRF Amount	Cumulative SRF Amount	Notes
20	3175690	Southampton 23	Sedley Water Company	<u>Water System Improvements</u>	The ground storage tank capacity is 30,000 gallons; the hydro-pneumatic tank is 5,000 gallons, the well house is 10 feet by 12 feet, 1,000 feet of 4 inch watermain and 20 feet of 3/4 inch poly tubing service line, 18 tapping saddles, 18 curb stops, 18 compression couplings and five road bores. Replacement of well building, replace 500 feet of 2 inch galvanized watermain and 10 service connection lines, move and replace 500 feet of 2 inch galvanized watermain out of the bottom of a major storm drain ditch and replace 8 service connection lines.	490	30	H-P	VWSRF	50%	\$ 279,225	\$ 279,225	\$ 18,209,632	
21	6033085	Caroline 16	Caroline County Public Utilities	<u>Caroline Pines</u>	Installation of 18,800 linear feet of AWWA C900 class 150 12-inch PVC pipe.	838	30	H-P	VWSRF		\$ 3,060,871		\$ 18,209,632	Withdrew
22	5690400	Martinsville 12	Martinsville, City of	<u>Replacement of Transit Waterline along Lanier Road</u>	The replacement of an existing 6" transite (asbestos) pipe along Lanier Road. The water line replacement is approximately 2,100 feet in length with a normal pressure in excess of 130 psi.	78	34	H-P	WSAG	100%	\$ 116,008		\$ 18,209,632	100% State Funded
23	2005600	Alleghany 5	Alleghany County Board of Supervisors	<u>Dolly Ann Waterline Replacement Project</u>	To replace 6,265 feet of 6" and 10" waterline with an 8" waterline, replace an old 1-1/4" waterline along Massie Ave with 375 feet of 2" line to serve two customers, and replace aging valves and fire hydrants.	2,985	30	H-P	VWSRF	40%	\$ 939,200	\$ 563,500	\$ 18,773,132	\$375,700 in principal forgiveness from previous years' SRF grants
24	1185625	Tazewell 2	Pocahontas, Town of	<u>Meter Replacement</u>	To replace the old meters. The project will reduce water losses and increase accountability. The project will also include necessary software and equipment.	1,200	41	H-P	WSAG	100%	\$ 96,228		\$ 18,773,132	100% State Funded
25	4127925	New Kent 15	Woodhaven Water	<u>Woodhaven Water Line Replacement</u>	The project will provide approximately 27,800 feet of 8-inch water line along Lakeshore Drive and will provide a 8-inch loop in the system.	1,051	19	H-P	VWSRF	0%	\$ 1,571,350	\$ 1,571,350	\$ 20,344,482	
26	5009050	Amherst 11	Town of Amherst	<u>Rt. 60 West Waterline Replacement</u>	Replace the old 6 inch pipe with 6,800 feet of 12 inch diameter ductile iron waterline.	2,777	27	H-P	VWSRF	50%	\$ 1,214,000	\$ 1,214,000	\$ 21,558,482	
27	1167	Russell 2	Russell County Public Service Authority	<u>Radio Read Meter Replacement</u>	The proposed project consists of the installation of approximately 1,750 radio read meters to replace the existing touch read meters remaining in the water system. The project will reduce water losses and increase accountability.	4,883	37	H-P	WSAG	100%	\$ 436,924		\$ 21,558,482	100% State Funded
28	5413246	Pittsylvania 12	Town of Hurt	<u>Water Booster Pump Station Upgrade</u>	To replace the station pumps with more efficient ones, replace the existing control system with a more modern touch screen control system, and an updated dialer to relay the tank levels and pump status to the Altavista WTP so that the operators can coordinate water production. The updated dialer will also be used to relay emergency alarms to the Town of Hurt operator and other responsible parties.	1,275	27	H-P			\$ 80,000		\$ 21,558,482	Being funded as WSL 36-11
29	5147500	Prince Edward 14	Prince Edward County	<u>Sandy River Reservoir Water Treatment &amp; Distribution Project</u>	The development of a 2 MGD WTP on the Sandy River Reservoir and the construction of a distribution system to provide water to the Town of Crewe and Burkeville and to areas of Prince Edward County.	2,758	32	H-P			\$ 25,720,900		\$ 21,558,482	
30	1195700	Wise 1	Town of St. Paul	<u>Water Storage Tank Rehabilitation</u>	The project will repaint water storage tanks in the Town and replace tank panels on the Grey Hills water tank that were damaged by vandalism. A real-time radio telemetry system will be installed at each tank to provide information to the WTP SCADA system.	860	31	H-P			\$ 372,396		\$ 21,558,482	

# ATTACHMENT 1

Priority	PWSID	City/ County	Owner	Project Name	Project Description	Population	Point Total	Designation	Prgm Type Code	Principal Forgiveness	Project Cost	SRF Amount	Cumulative SRF Amount	Notes
31	1640243	Galax 3	Galax, City of	<u>Tower Road Pressure Reducing Valve Water Project</u>	The project consists of the installation of a pressure regulating valve and meter in parallel with the Carroll County PSA Tower Road Pump Station to permit water flow back into the City water system. It also includes the relocation of the existing CCPSA Tower Road Pump Station to a lower elevation of approximately 90-feet to allow for proper operation of the Tower Road Pump Station and the City water distribution system without the presence of the Spivey Reservoir connected to the water system. It will also involve the installation of approximately 800-feet of 6" water main to reconnect the relocated Tower Road Pump Station and the proposed Spivey PRV Station to the City distribution system. The plans will include the demolition and disposal of the Spivey Reservoir after receipt of an approved CTO from VDH.	230	30	H-P			\$ 120,000		\$ 21,558,482	
32	2015150	Augusta 6	Craigsville, Town of	<u>Well Development</u>	The project consists of installation of 1-drilled well, 1-pitless adapter, 1-15 Hp pump, 1-pump house, 1-pump with VFD, 500 feet of 4 inch pipe and 20 filter modules, 1-350 KW emergency generator and 1-accounting billing software.	1,020	29	H-P			\$ 685,194		\$ 21,558,482	
33	1169650	Scott 1	Scott County Public Service Authority	<u>Manville Phase 3 Water Project</u>	Installation of 4,300 feet of 8" line, installation of 52,500 feet of 6" line, installation of 5,600 feet of 4" line, installation of 5,600 feet of 2" line, installation of 8,050 feet of 3/4" line, installation of 125 3/4" x 5/8" water meter settings, installation of 57 fire hydrants, and new water service offered to approximately 125 households.	310	29	H-P			\$ 2,708,399		\$ 21,558,482	
34	1169200	Scott 1	Scott County Public Service Authority	<u>Kingdom Road/Goode Hollow Water Project</u>	Installation of 38,300 feet of 6" water line, 18,200 feet of 2" water line, 2 Master Meter/PRVs, 31 gate valves, 18 fire hydrants, 72 water meters, 3,600 feet of 3/4" water service line, 720 feet of 1" water service line, encased water line road crossing trenched or bored, and all other accessories related to water line construction.	167	29	H-P			\$ 1,774,943		\$ 21,558,482	
35	2017095	Bath 6	Bath County Service Authority	<u>High School Well No. 2</u>	The installation of 65 gpm well pump, 500 feet of 2" and 3" diameter piping, new well pump controls and wiring, chlorination equipment, and miscellaneous electrical work. Project will utilize (and modify) existing well building to house new chlorination equipment and controls.	1,845	21	H-P			\$ 49,950		\$ 21,558,482	
36	4127885	New Kent 15	New Kent County	<u>Whitehouse Farms Storage Improvements</u>	The project will repair and reline (interior and exterior) one 15,000 gallon horizontal water tank, one 5,000 gallon hydropneumatic tank, and replace five concrete/block tank, pedestals and footers; and reline one 10,000 gallon storage and add it at the site including footers, approximately 65 feet of 4 inch piping to tie in the tank, and the installation of level sensors for the new tank.	5,253	11	H-P			\$ 100,000		\$ 21,558,482	
37	5117707	Mecklenburg 13	Roanoke River Service Authority	<u>RRSA PAC Silo Project</u>	The installation of a 20,000 lb PAC capacity silo detached from the water treatment plant. The feeder and all mechanical equipment would be enclosed within the silo housing, and the assembly will be equipped with a dust collector to cleanse the air that escapes from the silo.	8,632	26	O			\$ 474,200		\$ 21,558,482	
38	1167	Russell 2	Russell County Public Service Authority	<u>Refinancing of Main Line Projects</u>	The proposed refinancing of a 5 year bond for the completion of water lines within Russell County along the Rt. 19 corridor from the Tazewell County line to the Washington County line with approximately 74,800 feet of 8-inch, 24,540 feet of 6 inch, 13,480 feet of 4 inch and 10,660 feet of 2 inch, installation of two water pump stations, and for Rt. 19 mains (phase 02 segment): approximately 9,060 feet of 8 inch, 4,600 feet of 6 inch, 800 feet of 4 inch and 5,360 feet of 2 inch.	4,883	24	O			\$ 3,510,000		\$ 21,558,482	
39	2139330	Page 7	Luray, Town of	<u>Forest Hills Water Booster Pump Station</u>	To upgrade the booster pump station with two 3HP pumps each rated at 50 GPM at 50 psi provided on a factory mounted skid with automatic variable speed control operation to maintain a constant discharge pressure.	101	15	O			\$ 78,250		\$ 21,558,482	

## ATTACHMENT 1

Priority	PWSID	City/ County	Owner	Project Name	Project Description	Population	Point Total	Designation	Prgm Type Code	Principal Forgiveness	Project Cost	SRF Amount	Cumulative SRF Amount	Notes
40	3131210	Northampton 22	Exmore, Town of	<u>Well Development Project</u>	The development of two new wells to replace existing wells. The wells will be 8' in diameter and 220' deep and will be located adjacent to existing wells.	1,500	0	I			\$ 293,800		\$ 21,558,482	
41	3001140	Accomack 22	Trails End Utility Co. Inc	<u>New Storage Tank</u>	An additional storage tank.	600	0	I			\$ 100,000		\$ 21,558,482	

**NOTES:**

VDH expects to have approximately \$21,558,482 for project funding. VDH expects to fund projects 1 through 27. Additional projects will be funded in priority order as funds become available.

VDH reserves the right to switch funding sources to meet the needs of the SRF Program and EPA grant requirements.

All projects receiving principal forgiveness shall have the remainder of the project funded with a 30 year 3% loan.

All projects not receiving principal forgiveness shall be funded with a 20 year loan with the rate set at closing.

All eligible acute, chronic health/ SDWA compliance or public health projects are designated as Health (Designation H).

Designation H projects are funded in descending order of acute, chronic health/SDWA compliance and then public health projects.

Total Health points are considered after acute, chronic and public health points.

**ATTACHMENT 2  
FY 2012  
Construction Projects  
Additional Subsidization, Assistance to Small Systems, and GPR**

DWSRF Project Priority	County	OWNER	Project	SRF Funding Amount	SRF Principal Forgiveness	Dis-advantaged?	Additional Subsidization	GPR	Type GPR	Assistance to Small Systems	Comments
1	Washington	WCSA	Hillandale Road Line Ext.			YES					WSAG Funded
2	Washington	WCSA	Red Fox Lane Water Line Ext.			YES					WSAG Funded
3	Washington	WCSA	N. Fork River Rd. at Tumbling Creek WL Ext.			YES					WSAG Funded
4	Isle of Wight	Red Oaks Mobile Communi	Well Abandonment/Municipal Connection	\$ 498,042		YES		\$69,893	W,E	\$498,042	
5	Wise	Big Stone Gap	Water System Replacement Phase IIB	\$ 363,937		YES		\$363,937	W,E	\$363,937	
6	Norton	Norton, City of	System-wide Water Improvements-Phase I	\$ 1,652,800	\$ 826,401	YES	\$ 826,401	\$1,472,037	W,E	\$1,652,800	
7	Wise	Coeburn	System-wide Water Improvements-Phase II			YES					Declined
8	Buchanan	Buchanan County PSA	Rt. 83-Flannagan to Vansant Water Facility R	\$ 6,312,280		NO		\$5,801,825	W,E	\$0	Pop > 10k
9	Lee	Woodway Water Authority	System-wide Water Improvements-Phase II	\$ 1,306,800	\$ 784,077	YES	\$ 784,077	\$1,232,071	W,E	\$1,306,800	
10	Grayson	Independence	Water System Replacement Phase 1B	\$ 1,160,000	\$ 928,000	YES	\$ 928,000	\$925,704	W,E	\$1,160,000	
11	Smyth	Rye Valley Water Authority	Water Line Replacements		\$ -	YES	\$ -		W,E	\$0	Declined
12	Wise	Appalachia	System-wide Water Improvements-Phase II	\$ 230,632		YES		\$230,632	W,E	\$230,632	
13	Wise	Pound	Water System Improvements-Phase II	\$ 749,200		YES		\$749,200	W,E	\$749,200	
14	Lee	St. Charles Water & Sewer	System-wide Water Improvements Phase I	\$ 1,471,324	\$ 1,177,059	YES	\$ 1,177,059	\$1,399,637	W,E	\$1,471,324	
15	Roanoke	Western Virginia WA	Shenandoah Avenue Water Line Replacemer	\$ 1,500,000		NO		\$1,500,000	W,E	\$0	Pop > 10k
16	Russell	Russell County PSA	Green Valley Estates WL Replacement			YES					WSAG Funded
17	Augusta	Craigsville	Water Distribution Upgrades	\$ 2,311,942		YES		\$2,311,942	W,E	\$2,311,942	
18	Carroll	Hillsville	Water Treatment Plant Improvements	\$ 373,450		YES		\$0		\$373,450	
19	Botetourt	Troutville	Water System Replacement			YES				\$0	Declined
20	Southampton	Sedley Water Company	Water System Improvements	\$ 279,225	\$ 139,613	YES	\$ 139,613	\$0		\$279,225	
21	Caroline	Caroline Utility System	Caroline Pines		\$ -	NO					Withdrawn
22	Martinsville	Martinsville	Replacement of Transite Waterline along Lanier Road			YES					WSAG Funded
23	Alleghany	Alleghany County Dept. of F	Dolly Ann Water Line Replacement Project	\$ 563,500	\$ -	YES	\$ -	\$563,500	W,E	\$563,500	see note 5
24	Tazewell	Pocahontas	Meter Replacement			YES					WSAG Funded
25	New Kent	Woodhaven Shores	Woodhaven Water Line Replacement	\$ 1,571,350		YES		\$1,571,350	W,E	\$1,571,350	
26	Amherst	Amherst	Rt. 60 West Waterline Replacement	\$ 1,214,000	\$ 607,000	YES	\$ 607,000	\$1,214,000	W,E	\$1,214,000	
27	Russell	Russell County PSA	Radio Read Meter Replacement			YES					WSAG Funded
Total ---->				\$21,558,482	\$4,462,150		\$4,462,150	\$19,405,728		\$13,746,202	
As a % of the expected \$15,215,000->							29%	128%			
As a % of \$21,558,482 ---->										64%	

**NOTES:**

- Projects shown in gray were withdrawn by owner , owner declined VDH's offer of assistance, bypassed, or were funded through another funding source.
- VDH offered DWSRF Funding (and/or state funding) assistance to projects 1 through 27. Projects noted as State Funded will be 100% state funded unless SRF funding is noted.
- VDH reserves the right to by-pass any project in accordance with DWSRF Program guidelines or to meet EPA's grant conditions or requirements.
- VDH will fund additional projects in priority order if additional DWSRF funds become available.
- VDH will provide an additional \$375,700 in principal forgiveness in prior years' SRF grants.

**Green Project Reserve (GPR).** GPR amounts listed above are supported by business cases and are available upon request.

GPR key; Green Infrastructure = G, Energy Efficiency = E, Water Conservation = W, Other = O

### ATTACHMENT 3

Virginia Department of Health, Office of Drinking Water  
FY2012 DWSRF Set-Aside Suggested Use Schedule

The Virginia Department of Health received these suggestions during the solicitation / 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.

Name	Suggested Amount	Activity Description	Funded Yes/No	Amount
City of Norton	\$20,000.00	To fund an operations improvement demonstration project for small water systems.	No	\$0.00
Virginia Tech	\$10,000.00	An on-line course introducing the fundamental principles of asset management and how they are applied to infrastructure asset investment decision making.	Yes	\$10,000.00
Virginia Tech	\$70,000.00	A capacity development course covering Planning, Going Green, Asset Management, and a Hands-on exercise with EPA's Check-up Program for small systems.	Yes	\$70,000.00
Virginia Tech	\$6,300.00	Six scholarships to cover all costs of a person participating in one of three week long short courses (introductory to advanced). Candidates are identified by engineers at the various VDH-ODW field offices.	Yes	\$6,300.00
Virginia Tech	\$84,000.00	A three day workshop emphasizing applied math and targets the small systems operators.	Yes	\$84,000.00
Virginia Tech	\$50,000.00	A short course that is entirely dedicated to hands-on activities related to the maintenance and operations of a full-scale plant.	Yes	\$50,000.00
Virginia Tech	\$42,000.00	A three day short course specifically designed to assist Class V and VI operators prepare for their licensure exam.	Yes	\$42,000.00
Virginia Tech	\$60,000.00	A short course on basic math and applied science for very small waterworks operators with core competencies needed to obtain certification. This course is designed to compliment and provide a foundation for the Water 1-3 courses offered as part of the VA Tech Annual Short School for Operators.	Yes	\$60,000.00
Virginia Tech	\$62,000.00	A financial capacity short course for Class V and VI waterworks operators to assist them in sustaining and upgrading their waterworks facilities.	Yes	\$62,000.00
Virginia Tech	\$153,000.00	Nine televised continuing and professional education workshops providing technical training for water utility owners, managers and all licensure classes of operators.	Yes	\$153,000.00
Mountain Empire Community College	\$75,687.00	To continue development of the on-line distance learning Water Degree Program which provides training, education and certification for drinking water operators.	Yes	\$69,432.00
<b>TOTALS</b>	<b>\$632,987.00</b>			<b>\$606,732.00</b>

**Attachment 4**  
**Virginia Department of Health**  
**Office of Drinking Water**  
**Summary**

**Virginia Drinking Water State Revolving Fund Program**  
**FY2012 Intended Use Plan - Funding Summary with Set-Aside**

**I. SOURCES**

Federal FY 2012	Allocation =	<b>\$15,215,000</b>	
			\$15,215,000
State's General Fund	20% match required =	\$3,043,000	
<b>SUBTOTAL 1</b>			<b>\$18,258,000</b>
Other state funds =		\$0	
Total state funds this year	\$3,043,000		
<b>SUBTOTAL 2</b>			<b>\$18,258,000</b>
Other sources =			
interest earned (0945)		945.00	from the 6-30-2011 Commonwealth Accounting & Report System
interest earned (VWSRF)		85,712.00	from VRA June 2011 (interest earnings through 6/30/11)
repaid principal to 6-30-2011		4,896,172.00	from VRA June 2011 P & I repayments report
repaid interest to 6-30-2011		739,570.00	from VRA June 2011 P & I repayments report
	<b>\$5,722,399</b>		
<b>SUBTOTAL 3</b>			<b>\$23,980,399</b>
TRANSFER from DEQ's CWSRF		\$0	
<b>Grand Total Funds Available =</b>		<b>\$23,980,399</b>	

**II. USE for Set-asides**

Category	Maximum % and Name	Percent chosen	Amount
1	4% Administration and Technical Assistance	4.00%	608,600
2	2% Small System Technical Assistance	1.92%	291,817
3	10% State Program Management	10.00%	1,521,500
4	15% Local Assistance and other State Programs	0.00%	0
Sub-total		15.92%	\$2,421,917

**III. USE for Loan funds**

Federal Allocation =	\$15,215,000		
minus set asides	<u>\$2,421,917</u>		
Federal loan funds	\$12,793,083	84.08% of federal grant	
plus 20% match required =	<u>\$3,043,000</u>		
<b>SUBTOTAL</b>			\$15,836,083
plus Other state funds =	\$0		
<b>SUBTOTAL</b>			\$15,836,083
plus other sources =	\$5,722,399		
<b>SUBTOTAL</b>			\$21,558,482
plus Transfer from DEQ's CWSRF	\$0		
<b>TOTAL Amount available</b>	<b>\$21,558,482</b>		
Amount available after subtracting Set-asides =			\$21,558,482
Amount loaned to Demonstration Project for Southwest Virginia Endowment =			\$0
<b>Balance available for individual project loan and subsidies =</b>			<b>\$21,558,482</b>
Subsidies -- not less than 20% nor more than 30% of grant to be used =		30.00%	\$4,564,500
Loans (max) =			<u>\$16,993,982</u>
<b>Total =</b>			<b>\$21,558,482</b>

## 2012 PLANNING GRANT AWARDS

County	Owner	Description	Requested Amount	Project #
Botetourt	Dale Court	PER to evaluate existing DCWC well	30,000	237-11
Charlotte	Town of Keysville	PER - System Improvements	30,000	238-11
Northampton	Cape Charles	Design treatment improvements to reduce TTHMs outlined in the PER.	30,000	239-11
Wise	Town of Appalachia	System-wide hydraulic model	10,000	240-11
Dickenson	Dickenson County PSA	PER to identify potential project areas	14,500	241-11
Henry	Henry County PSA	Complete additional testing required for Well No. 1	30,000	242-11
Mecklenburg	Newton Mobile Home Court Inc.	Connect the two existing water systems.	5,000	243-11
Mecklenburg	LaCrosse	Evaluate the existing waterline system and create preliminary concept plans.	19,000	244-11
Southampton	Sedley Water Company	System storage evaluation	30,000	245-11
Amherst	Amherst	PER and P&S upgrade/ replacement/ realignment	30,000	246-11
Prince William	Town of Quantico	Construction of Water Line	30,000	247-11
Rockbridge	Town of Glasgow	Preliminary Engineering Report - Water Loss	30,000	248-11
Rockbridge	Town of Goshen	Determine the best site(s) for test wells to be drilled	27,000	249-11