

2019 PROJECT PRIORITY LIST (Projects 1 through 38)
2019 COMPREHENSIVE PROJECT LIST (Projects 1 through 38)

Priority	City / County	Owner Information	Project Name	Project Description	Service Population	Point Total	Designation	Program Type Code	Principal Forgiveness	Project Cost	SRF Amount for this IUP	Cumulative SRF Amount	Notes
1	Buchanan	Buchanan County PSA	Water Distribution System Improvements to Reduce DBPs	Installation of improvements at the Lovers Gap Water Storage Tank; Buchanshire Water Storage Tank; Guesses Fork Water Storage Tank; Jewell Ridge Water Storage Tank to reduce THM levels. Improvements are expected to consist of aeration, ventilation, and mixing.	3591	77	H:C	VWSRF	\$500,000	\$1,100,000	\$1,100,000	\$ 1,100,000	2
2	Nelson	Nelson Co	Piney River System DBP Compliance	The addition of a Granular Activated Carbon (GAC) treatment system consisting of one Calgon MD72 unit or equal which includes two 42 inch diameter skid mounted pressure vessels with booster feed and backwash pumps, and appurtenances.	179	48	H:P	VWSRF	\$75,000	\$150,000	\$150,000	\$ 1,250,000	2
3	Pulaski	Pulaski, Town of	Water Improvements to address storage and leakage issues	Construction of approximately 8,050 LF of 8-inch waterline between the two pressure zones; upgrades to the Veteran's Hill and Needmore pump stations; modify the interior piping of the Veteran's Hill, Needmore 1 and Needmore 2 water storage tanks; incorporate mixing and tank aeration systems; construct a sodium permanganate feed system at the raw water pump station; and coating and painting of all three water tanks.	9,473	42	H:P	VWSRF	\$300,000	\$1,584,940	\$ 1,584,940	\$ 2,834,940	2
4	Tazewell	Tazewell Co PSA	Pocahontas System Purchase	To purchase the distribution lines, pump stations and storage tanks, along with the customer connections to assist a system struggling to meet compliance requirements and provide safe water.	1,200	63	H:P	VWSRF	\$389,000	\$780,832	\$ 780,832	\$ 3,615,772	2
5	Smyth	Saltville, Town of	Water System Improvements (phase II)	Four pumps, water end and motor (to match or exceed ex. capacity); one pump, water end only (to match or exceed ex. capacity), four variable frequency motor controllers, and seven master meters, 2'-4" diameter.	2,555	59	H:P	VWSRF	\$141,000	\$141,000	\$ 141,000	\$ 3,756,772	
6	Wise	Big Stone Gap, Town of	State Route 610 WL Replacement	Replacement of approximately 5,000 LF of 12-inch and smaller waterline; replacement of approximately 800 LF of 3/4-inch service line; reconnect 25 residential connections; installation of eight (8) fire hydrant assemblies; and associated appurtenances.	58	49	H:P	VWSRF	\$368,000	\$596,233	\$ 596,233	\$ 4,353,005	2
7	Wise	Big Stone Gap, Town of	Shelby Ave. WL Replacement	Replacement of approximately 1,500 LF of 2-inch galvanized waterline with 6-inch waterline; replacement of approximately 225 LF of 3/4-inch service line; reconnect 9 residential connections; installation of two (2) fire hydrant assemblies; and associated appurtenances.	21	46	H:P	VWSRF	\$125,000	\$125,000	\$ 125,000	\$ 4,478,005	
8	Smyth	Rye Valley Water Authority	Route 16 WL Replacement	Construction of approximately 2,600 LF of 6" water line, reconnection of 11 +/- existing service meters, and replacement of approximately 2,600 LF of 4" line.	20	44	H:P	VWSRF	\$100,000	\$100,000	\$ 100,000	\$ 4,578,005	
9	Norton/Wise	Norton, City of	Clear Creek WL Replacement Phase II	Replacement of approximately 1,400 LF of 4-inch waterline with 6-inch waterline; replacement of approximately 400 LF of 3/4-inch service line; reconnect 16 residential connections; installation of two (2) fire hydrant assemblies; and related appurtenances.	36	53	H:P	VWSRF	\$111,090	\$111,090	\$ 111,090	\$ 4,689,095	
10	Norton/Wise	Norton, City of	Josephine WL Replacement	Replacement of approximately 1,500 LF of 6-inch waterline; replacement of approximately 500 LF of 3/4-inch service line; reconnect 15 residential connections; installation of one (1) fire hydrant assembly; and associated appurtenances.	36	53	H:P	VWSRF	\$132,347	\$132,347	\$ 132,347	\$ 4,821,442	
11	Lee	Dryden Water Authority	Bill Jesse Rd and Mary Hobbs Rd WL Replacements	Replacement of approximately 7,690 LF of 4-inch and 2-inch waterline with 6-inch and smaller waterline; replacement of approximately 1,300 LF of 3/4-inch service line; reconnect 26 residential connections; installation of six (6) fire hydrant assemblies; and associated appurtenances.	62	53	H:P	VWSRF	\$340,000	\$501,000	\$ 501,000	\$ 5,322,442	2
12	Lee	Pennington Gap, Town of	Town-wide Water Meter Replacement	Replacement of 800 3/4-inch meters in-kind.	1,840	61	H:P	VWSRF	\$123,000	\$246,240	\$ -	\$ 5,322,442	1
13	Smyth	Marion, Town of	Prater Lane Pump Station Generator	A backup electric generator sized at 150 KW to operate the entire pump station with an automatic transfer switch, and a sound attenuation enclosure around the generator to reduce noise impact.	8,950	44	H:P	VWSRF	\$58,000	\$115,200	\$ -	\$ 5,322,442	1

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14	Smyth	Thomas Bridge Water Corp.	Water Meter Upgrade	Replacement of 651 residential service meters with remote radio read. The new meters can be installed in the existing meter setter.	1,432	42	H:P	VWSRF	\$162,000	\$162,000	\$ 162,000	\$ 5,484,442	
15	Lee	Lee County Public Service Authority	Giles Hollow Community WL Ext. Phase I	Approximately 12,500 LF of 8-inch waterline; approximately 13,000 LF of 6-inch waterline; approximately 3,000 LF of 3/4-inch service line; water service to approximately 30 residential connections; one (1) pressure Reducing Station; installation of four (4) fire hydrant assemblies; and associated appurtenances.	71	35	H:P	VWSRF	\$343,000	\$510,500	\$ 510,500	\$ 5,994,942	2
16	Washington	Washington Co Service Authority	Mary's Chapel Archery Route Rd WL Ext	Installation of approximately 18,750 LF of 6-inch and 4-inch waterline; installation of fire hydrants on a portion of the project; a pump station, hydropneumatic tanks and vault; and upgrade of existing pipe on Reedy Creek to facilitate the line extension.	38	28	H:P	VWSRF	\$380,000	\$868,343	\$ 868,343	\$ 6,863,285	2
17	Frederick	Frederick Water	Opequon Water Supply Plan Project	Two 4 MGD intake screens, a 8 MGD raw water pump station, 3 miles of 20-inch raw water piping, 8 MGD surface water treatment plant, and a 20-inch finished water transmission main.	78,305	23	H:P	VWSRF	\$0	\$36,000,000	\$ 10,500,000	\$ 17,363,285	3, 9
18	Scott	Scott County Public Service Authority	Weber City Water Main Replacement	Approximately 6,000 LF of 2" replacement water main and appurtenances.	120	41	H:P	VWSRF	\$118,850	\$118,850	\$ -	\$ 17,363,285	1
19	Lee	Woodway Water Authority	State Route 932 WL Replacement Project	Replacement of approximately 2,135 LF of 2-inch waterline with 2-inch and 4-inch waterline; replacement of approximately 120 LF of 3/4-inch service line; reconnect 3 residential connections and; associated appurtenances.	12	39	H:P	VWSRF	\$110,695	\$110,695	\$ -	\$ 17,363,285	1
20	Lee	Woodway Water Authority	State Route 641 WL Replacement	Replacement of approximately 1,095 LF of 2-inch waterline with 6-inch waterline; replacement of approximately 200 LF of 3/4-inch service line; reconnect 5 residential connections; installation of two (2) fire hydrant assemblies; and associated appurtenances.	12	39	H:P	VWSRF	\$119,345	\$119,345	\$ -	\$ 17,363,285	1
21	Wise	Coeburn, Town of	Water Meter Replacement Phase II	Replace approximately 488 of 3/4-inch meters.	1,181	52	H:P	VWSRF	\$150,078	\$150,078	\$ -	\$ 17,363,285	1
22	Washington	Washington Co Service Authority	Mendota Road WL Ext	Installation of approximately 58,950 LF of 8-inch waterline, installation of fire hydrants and other necessary appurtenances.	205	24	H:P	VWSRF	\$350,000	\$2,967,755	\$ 2,967,755	\$ 20,331,040	2
23	Wise	Appalachia, Town of	Andover and Wise WL Replacement	Reconnect 43 customer connections, replacement of 1,500 LF of 6-inch and related appurtenances.	133	46	H:P	VWSRF	\$219,984	\$219,984	\$ -	\$ 20,331,040	1
24	Henry	Henry County Public Services Authority	Fieldale Lead Line Replacement Phase I	Replacement of approximately 2,400 LF of existing lead-jointed cast iron and galvanized steel water mains with new 6" line and replacement of existing lead and/or galvanized steel service lines with new 3/4" HDPE material for 34 +/- existing residential customers.	68	36	H:P	VWSRF	\$500,000	\$500,000	\$ 500,000	\$ 20,831,040	
25	Windsor	Windsor, Town of	Duke and Virginia Streets WL Replacement	Replace approximately 2500 feet of 4-inch asbestos cement waterlines as well as approximately 1100 feet of 2-inch galvanized waterline with NSF approved 8-inch pipe.	79	26	H:P	VWSRF	\$75,000	\$150,000	\$ 150,000	\$ 20,981,040	2
26	Wise	Wise Co Service Authority	WTP Metering	The installation of a 14" mag meter for raw influent flow, a 10" mag meter for backwash flow, a 14" mag meter for finished water flow, a new check valve for the backwash piping, ancillary piping, and appurtenances for installation.	10,685	46	H:P	WSAG	\$58,000	\$58,000	\$ 58,000	\$ 21,039,040	
27	Richmond	Richmond, City of	LSL Replacements	Replacement of approximately 200 lead service lines on the private/customer side of the water meter.	770	30	H:P	VWSRF	\$500,000	\$500,000	\$ 500,000	\$ 21,539,040	
28	New Kent	New Kent County DPU	Route 618 Waterline Reliability and Efficiency Project	Approximately 10,000 LF of new 16-inch waterline; two 12-inch isolation valves on existing waterline; and pressure reducing valve. The project will eliminate the need for 6 booster pumps, 2 water storage tanks, and one supply well/pump.	2,275	27	H:P	VWSRF	\$0	\$3,150,000	\$ 3,150,000	\$ 24,689,040	2
29	Wise	Wise, Town of	Health Department Water Tank Rehab. Project	Rehabilitation of the 250,000 gallon Health Department Water Tank.	5,273	19	H:P	VWSRF	\$104,000	\$208,700	\$ 208,700	\$ 24,897,740	2
30	Alexandria	VA American Water	Lead Service Line Replacement 2018	Replace up to 100 lead service lines to include the portion in the public right of way and on the customer's private property. The service replacement work will include only the water service line from the water main to the first inside shutoff valve or first 5 feet. The service lines are expected to be 2-inches or less in diameter.	300	18	H:P	VWSRF	\$500,000	\$500,000	\$ 500,000	\$ 25,397,740	
31	Amelia	Amelia Co	Amelia County Tank Project	A new 500,000 gallon elevated water tank with altitude valve and mixing valve; a 12-inch wet tap; a 12-inch waterline to connect the new tank to the existing water system; and an altitude valve and vaults at the existing elevated tank. the new tank will serve as a backup storage system for the existing tank.	740	10	H:P	VWSRF	\$300,000	\$1,706,000	\$ 1,706,000	\$ 27,103,740	2

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32	Pulaski	Pulaski County PSA	Water Meter Replacement	Replacement of approximately 725 meters per year over the next 3 years.	5,060	24	H:P	VWSRF	\$160,000	\$641,000	\$ -	\$ 27,103,740	2
33	Sussex	Sussex County SA	Northeastern Water Filter Project	Installation of three vertical pressure filters with high rate manganese dioxide coated sand media for iron and manganese removal.	85	19	H:P	WSAG	\$133,000	\$531,600	\$ -	\$ 27,103,740	2
34	Smyth	Saltville, Town of	Saltville WCSA Interconnection	A backup water service connection with Washington County SA with the construction of 1,700 feet of 6" water line, pressure control valve vault and a meter.	2,555	48	H:P	WSAG	\$0	\$133,000	\$ -	\$ 27,103,740	7
35	Wise	Wise Co Service Authority	Hickory Gap PRV Stations	The installation of two (2) separate PRV stations along the line in Hickory Gap to replace the single PRV vault with two (2) actual PRVs in it. Each station will consist of its own precast vault, PRV and associated piping.	10,685	32	O	VWSRF	\$91,000	\$91,000	\$ -	\$ 27,103,740	1
36	Wise	Wise Co Service Authority	Water Tank Security Fencing	Installation of approximately 1,030 LF of chain-link, barbed wire security fence at four (4) existing tanks in the system - Blackwood Tank 265 ft., Bean Gap Tank 225 ft., Fairgrounds Tank 225 ft., and South Mountain Tanks 315 ft.	10,685	30	O	VWSRF	\$52,000	\$52,000	\$ -	\$ 27,103,740	1
37	Scott	Scott County Public Services Authority	Fairview Community WL Ext. Project (Phase I)	Phase I will include construction of 82,400 LF of 6-inch waterline; 11,700 LF of 2-inch waterline; 840 LF of 1-inch waterline; 2,940 LF of 3/4-inch waterline; 50 gate valves; 33 fire hydrants and associated appurtenances.	170	25	O	VWSRF	\$150,000	\$150,000	\$ -	\$ 27,103,740	1
38	Pittsylvania	Pittsylvania Co Service Authority	Hwy 58 W. System Interconnection	Interconnect 3 water systems to the Henry County Hwy 58 West system. Mount Hermon Interconnection: construct approx. 57,500 LF of 12" water along State Routes 878, 869, 844, 883 and 863, a pressure sustaining/reducing valve assembly and related appurtenances; Mount Cross Interconnection: construct approx. 21,400 LF of 8" water line along state Route 750, a pressure reducing valve assembly and related appurtenances; and Route 29 North Interconnection: construct approx. 18,200 LF of 8" water line along State Routes 41 and 863, a booster pump station and related appurtenances.	5,824	19	O	VWSRF	\$0	\$11,938,000	\$ -	\$ 27,103,740	3, 9

NOTES: VDH expects to have about \$26,000,000 for SRF project funding. Additional projects may be funded in priority order if funds become available.

1. Project was By-passed due to readiness. VDH will reconsider these offer when owner reduces the number of open/incomplete DWSRF projects to less than 3.
2. The loan portion of the project will be funded with a 30 year loan (or the design life of the assets) at 2.5% interest.
3. The loan portion of the project will be funded with a 20 year loan (or the design life of the assets) with the interest rate set at closing (historically between 1.5% and 3% interest).
4. All eligible acute, chronic health/ SDWA compliance or public health projects are designated as Health (Designation H).
5. Designation H projects are funded in descending order of acute, chronic health/SDWA compliance and then public health projects.
6. Total Health points are considered after acute, chronic and public health points.
7. Project Withdrawn by owner.
8. VDH reserves the right to switch funding sources to meet the needs of the SRF Program and EPA grant requirements.
9. VDH expects this project to be phased over multiple funding years.

Designation Codes:
H - Health (A-Acute, C-Chronic, P-Public)
O - Other Eligible Project
I - Incomplete Application
N - Not Eligible, N/A - Not Applicable
W - Withdrawn