

Who We Are

- The Vergennes-Panton Water District was established in August 1966 and currently operates with 3 full time operators and one full time clerk/treasurer and one part time clerk. The District supplies water for drinking, agriculture and fire protection to the City of Vergennes and the Towns of Panton, Addison, Ferrisburgh and Waltham. The District's water source is Lake Champlain.
- The water plant filters and pumps out to the public an average of 593,000 gallons per day and an average of 18,200,000 gallons per year.



Who We Are

- The employees are essential workers who maintain the critical infrastructure (the water plant and the distribution system) 24/7 to assure safe and clean water for public health and to allow for economic development in your community.
- Our aging infrastructure needs have been ignored for too long. Installing new piping in some of the more critical areas will reduce the chance a break in a water main will occur.

VPWD Water Filtration Plant and Office



This is the water treatment facility at
1311 Adams Ferry Road in Pantown



This is our office at
7 Canal Street in Vergennes

Vergennes Panton Water District Distribution System



The distribution system includes nearly 26 miles of District owned waterlines, 28 miles of private waterline and 3 miles of water line owned by the Ferrisburgh Fire District.



ARPA Funding

VPWD understands there are several ways to spend the money towns are receiving but would like emphasize the importance of our water system to the communities.

By permitting funds to be used for water and sewer infrastructure needs, Congress recognized the critical role that clean drinking water and services for the collection and treatment of wastewater and storm water play in protecting public health.



Eligible Uses: Category I Necessary Water, Sewer Projects

- Projects eligible under the Drinking Water State Revolving Fund
- Build or upgrade facilities to improve water quality; transmission, distribution, and storage systems; consolidation or establishment of drinking water systems

Ineligible Uses

- Federal Matching Requirements
- Premium Pay
- Pensions
- Infrastructure Not Directly Addressed in ARPA
- Rainy Day Funds, Financial Reserves, and Outstanding Debt

Amount of funding some of the towns in Addison County are to receive.

County and Town	Estimated 2021 Amount	Estimated 2022 Amount	Total Local Fiscal Recovery Amount
Addison County	\$ 1,925,050	\$ 1,925,050	\$ 3,850,100
Addison town	\$ 69,199	\$ 69,199	\$ 138,398
Bridport town	\$ 61,661	\$ 61,661	\$ 123,322
Bristol town	\$ 201,105	\$ 201,105	\$ 402,210
Ferrisburgh town	\$ 140,805	\$ 140,805	\$ 281,610
Middlebury town	\$ 459,579	\$ 459,579	\$ 919,158
Monkton town	\$ 109,399	\$ 109,399	\$ 218,798
Panton town	\$ 37,007	\$ 37,007	\$ 74,014
Vergennes city	\$ 135,204	\$ 135,204	\$ 270,408
Waltham town	\$ 24,235	\$ 24,235	\$ 48,470



Residents on VPWD Water

Average population per unit for all VPWD customers = 2.54

Town	# of units	Population served
Ferrisburgh	458	1163
Vergennes	1308	3322
Panton	345	876
Waltham	77	195
Addison	5	12
Totals	2193	5570



Examples of Water Main Break Locations

Street	2021	2020	2019	2018	2017	2016	2015	Totals
Adams Ferry Rd	1		1	1		2	2	7
Main St.			1	2			2	5
N. Main St.	1	1	3	1				6
McDonough	1				1	1	4	7
Monkton Rd.	4	3	2	2	3		4	18
Mountain View			1	1	1	1		4
Panton Rd.		1		1	2	1	4	9
Rt. 22A		1		1	5	1	1	9
Basin Harbor Rd.	3	2		1				6
Jersey St.	1						2	3

In all the Water District averages approximately 15 water main breaks a year. Below are the top 10 water main break locations for the last 5 years. Each water break takes a minimum time of 4 hours to fix and can take up to a full day. (VUHS is on Monkton Rd.)



2012 Cost Summary for 2 Proposed Pipe Replacement Projects

Item Description	Estimated Cost
Construction	
MacDonough Drive Waterline Construction Project (5,670' Total)	\$796,000
Monkton Rd Waterline Construction Project Main St. to Rt. 7 (2,488' Total)	\$521,000
Construction Subtotal	\$1,317,000
Construction Contingency	
Construction Contingency (15%)	\$197,550
Construction Contingency Subtotal	\$197,550
Step I – Preliminary Engineering and Pre-Design	
Preliminary Engineering Study	\$9,900
Step I Subtotal	\$9,900
Step II – Final Design	
Final Design Allowance	\$99,700
Step II Subtotal	\$99,700
Step III – Construction Services	
Construction Services Allowance	\$182,700
Step III Const. Services Subtotal	\$182,700
Other Costs	
Administrative	\$5,000
Easement Assistance	\$2,500
Legal & Fiscal	\$10,000
Short Term Interest	\$65,850
Other Subtotal	\$83,350
Estimated Total Project Cost	\$1,890,200



In 2018 we received another quote to do pipe replacement on Monkton Road from Main Street to VUHS. 1200 ft. (\$252.1/ft.)

Item No.	Description	Quantity	Unit	Unit Price	Extended Price
1	Mob/Demob/GC's (~10%)	1	LS	\$23,000	\$23,000
2	8" PVC Water Main	1200	LF	\$85	\$102,000
3	8" Gate Valves	5	EA	\$1,500	\$7,500
4	Water Main Fittings	1200	LBS	\$5	\$6,000
5	3/4" Water Service	350	LF	\$50	\$17,500
6	3/4" Corp and Curb Stop	7	EA	\$600	\$4,200
7	2" Water Service	100	LF	\$80	\$8,000
8	2" Corp and Curb Stop	2	EA	\$1,500	\$3,000
9	Fire Hydrant	3	EA	\$5,000	\$15,000
10	Traffic Control & Signage	1	LS	\$5,000	\$5,000
11	Concrete Thurst Blocks	8	EA	\$300	\$2,400
12	Concrete Sidewalk	600	SF	\$20	\$12,000
13	Driveway Culverts (10 total)	300	LF	\$50	\$15,000
14	Bituminous Pavement	100	Ton	\$150	\$15,000
Construction Items					\$235,600
Construction Contingency (20%)					\$47,120
Construction Subtotal					\$282,720
1	Engineering Design and Permit	1	LS	\$10,000	\$10,000
2	Bid Assistance	1	LS	\$2,000	\$2,000
3	Construction Admin.	1	LS	\$2,000	\$2,000
4	Construction Admin. & Inspection	60	Hr	\$80	\$4,800
5	Record Drawings	1	LS	\$1,000	\$1,000
Engineering Subtotal					\$19,800
Estimated Project Total					\$302,520

To replace all pipe on Monkton Road which is approx. 4000 feet at today's pricing would be well over 1 million dollars.



Determining Projects and Scope

We are currently working with an engineering firm to come up with a hydraulic model which will help in determining what would be the best project for the Water District to accomplish. This would also make us a likely candidate for State Revolving Loan money. All projects considered are also eligible for ARPA Category I funding.

Our priority list of projects includes the following :

- Monkton Road water line upgrade (Vergennes and Ferrisburgh)
- Main Street water line upgrade (Vergennes)
- McDonough Road water line upgrade (Vergennes)
- Panton Road water line upgrade (Panton and Vergennes)

In 2011 we took out a bond to upgrade the water filtration plant with new filters, pumps, controls and other improvements. These improvements will ensure we are able to continue to pump high quality water to all of our customers for years to come.



2011 Upgrade to the Water Plant

Because of aging infrastructure at the Arnold Bay plant the VPWD Board decided to move ahead with a 5.1 million dollar upgrade.



Here the old steel filters are being cut up to be taken out of the plant



These are new stainless steel filters which should last for many years.