



Convert from On-site Septic to Town Connection

10/21/2022

Item No.	Description	Quantity	Unit	Unit Price	Extended Price
Construction					
1	Mob/Demob Contractor and Equipment	1	LS	\$2,000	\$2,000
2	1,500 Gallon STEP Pump Station (Purchase)	1	LS	\$7,000	\$7,000
3	1,500 Gallon STEP PS (Install, including electrical)	1	LS	\$5,000	\$5,000
4	2" Forcemain From PS to Town Forcemain	150	LF	\$40	\$6,000
5	Restore Site (Lawn/Driveway/Etc.)	1	LS	\$1,000	\$1,000
Construction Sub-total					\$21,000
Meter Install (One or Other)					
1	Meter Private Well with Water Meter (3/4")	1	LS	\$1,500	\$1,500
2	Install 2" Wastewater Meter at Pump Station Location in Vault	1	LS	\$6,000	\$6,000
Construction With Meter Option 1					\$22,500
Construction With Meter Option 2					\$27,000
Design and Permitting					
1	Design and Permitting	1	LS	\$4,000	\$4,000
Design and Permitting					\$4,000
Construction (Meter Opt. 1) + Design					\$26,500
Construction (Meter Opt. 2) + Design					\$31,000

- Note
1. Unit costs based on VTrans Average Price List, supplier quotes, and bid information from previous projects.
 2. Assumes residential property needs new tank/pump station - existing septic tank cannot be reused.
 3. Design and permitting assumes licensed designer needed for each site. Permitting through ANR WW and Vtrans 1111.
 4. Assumes properties on the north side of Route 2. South side properties will be required to bore under Route 2 and install a sleeve for their private wastewater connection.
 5. Assumes a third party contractor completing the project.

Estimated Costs to Connect to Public Wastewater System

Note: This is an estimate only. Actual individual costs will vary. Document created for Dec. 7, 2021 District Expansion meeting with estimates provided by Green Mountain Engineering.

Estimate Based on Following Assumptions

- Residential Building
- 210 Gallons Per Day
- 100' from building to Public Line

Item	Estimated Cost
Materials Package to include: Pump, Storage Tank, Control Panel, Alarm (package)	\$2,000
Electrical Materials	\$500
Plumbing Materials	\$1,500
Installation	\$4,000
Total	\$8,000

Estimated Costs to Install Water and Wastewater Meters

This estimate was created to compare the cost to install water meters vs the cost to install wastewater meters for buildings in the proposed Gateway Expansion area. This is designed to provide guidance to the Water and Sewer Commission on which type of meter to require for the proposed expansion area. Document created for Dec. 7, 2021 District Expansion meeting with estimates provided by Green Mountain Engineering.

Costs are estimates only and assume that wastewater meter installation occurs simultaneously with private connection to the public system.

Maintenance costs on wastewater meters tend to be higher than maintenance costs on water meters.

Meter installation and maintenance costs are the responsibility of the property owner.

The Water and Sewer Commission may dictate which type of meter needs to be installed, or the Commission may offer a choice to customers

- An agreement will be put in place between the Town and properties with water meters to allow the Town to meter the private water supply.
- All customers currently on the system have their public water metered. The amount of water used is also the amount that is billed for wastewater. It is known that a certain amount of water that is used does not end up in the wastewater stream as it is used for things like gardening and washing cars. To equalize for this, a multiplier will be added to any building that has a wastewater meter, since a water meter would have recorded a higher flow amount than a wastewater meter.

Considerations For Metering Water Supply (Typ. Residential Customer)

1. Water Meter & Remote Reader (Equipment Cost \$250)
2. Valves, connections, misc. materials (incl.)
3. Installation (\$750)

Total Estimated Cost = \$1,000

Considerations for Metering Wastewater (Residential Customer, assume 30')

1. Poly Meter Pit/ ¼ hp Sump Pump/ballast (\$1000)
2. Wiring/Conduit/Telemetry (\$500)
3. Wastewater Meter (\$1,500)
4. Installation of all items (\$2,000)

Total Estimated Cost = \$5,000