

TOWN OF HARDWICK

WASTEWATER TREATMENT
FACILITY IMPROVEMENTS

PUBLIC INFORMATION
MEETING

February 23, 2021

When is the bond vote?

- **MAIL-IN VOTING**

A ballot for this project will be mailed direct to all registered voters in Hardwick (will be part of comprehensive Town Meeting mailer as being sent to all registered voters).

- **VOTE BY AUSTRALIAN BALLOT**

Option; if not voting by MAIL-IN process.

Hardwick Fire Station

333 Wolcott Street, Hardwick, VT

Tuesday, March 2, 2021

9:00 a.m. – 7:00 p.m.

When is the public information meeting?

PUBLIC INFORMATION MEETING

February 23, 2021 5:30 p.m.

Via Zoom at this link:

<https://zoom.us/j/97470928158>

or by calling 1-(301)-715-8592

What Improvements Are Included In Wastewater Treatment Facility (WWTF) Upgrade Project?

- New geomembrane lagoon liners and sludge removal
- New lagoon aeration system, including blowers, air piping, laterals, and diffusers.
- New anaerobic reactor compartment floating cover and hydraulic curtain.
- Refurbished grit trap and new grit collector.
- New furnace and refurbished ventilation in the control building.
- Piping improvements.



Why is the Wastewater Treatment Facility Upgrade Necessary?

- Components have reached the end of their expected useful life, and some are over 40 years old.
- Maintains the long-term reliability of the facility and helps control operational costs by improving efficiency.
- Some components will be very difficult to repair or replace once they have failed.
- The WWTF is critical to Hardwick's economic well-being, so components must be in good working order for the WWTF to meet the Town's wastewater capacity needs.



Why is the Wastewater Treatment Facility Upgrade Necessary?

Aerated Lagoons and Anaerobic Selector



Why is the Wastewater Treatment Facility Upgrade Necessary?

Heating & Ventilation Equipment



Why is the Wastewater Treatment Facility Upgrade Necessary?

Grit Removal System and Aeration Blowers



What Is The Project Cost And Bond Amount?

The total estimated project cost is \$2,200,000 and includes: construction, 12.5% construction contingency, engineering, legal, permit fees, administration, short term interest, and other costs.

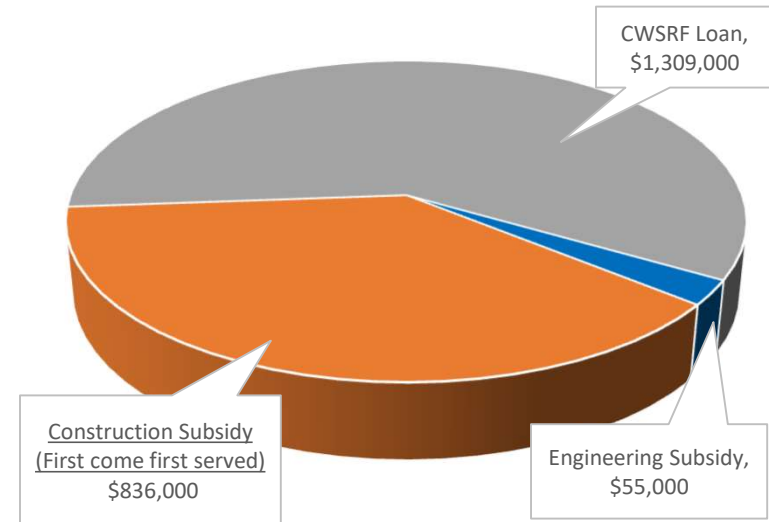
The recommended bond amount is \$2,200,000.

Funding sources that can help reduce the impact of this project on sewer customers are described on the next slide

What Are The Available Funding Sources?

Funding is available through the State Clean Water State Revolving Fund (CWSRF) program as follows:

➤ Engineering subsidy is provided at 50% of the cost, saving the Town approximately \$55,000.



➤ The State of Vermont is providing an additional subsidy of 40% of construction costs, saving the Town approximately \$836,000. **This subsidy is first-come-first-served so it is important that the Town pass a bond vote to reserve it.**

➤ The remainder of the cost will be funded via a loan at 2% (administrative fee) and a 30-year term.

➤ This funding package will save the Town sewer ratepayers an estimated \$891,000, or approximately 40% of the project cost.

➤ **If the bond vote does not pass, several of these funding sources may not be available for this project after June 30, 2021.**

Funding Summary	
Funding Source	Estimated Amount
CWSRF Engineering Subsidy	\$55,000
Construction Subsidy	\$836,000
CWSRF Loan (2%, 30 years)	\$1,309,000
Total Cost	\$2,200,000

What Is The Projected Impact On The Current Sewer Rates?

- After the subsidies are applied, total anticipated loan amount is \$1,309,000
- The annual loan payment for a 2%, 30-year term is \$58,446.
- First payment due August 2023.
- Cost to typical residential sewer customer is up to \$15 per quarter.



What Is The Project Schedule?

- The schedule below is based on a positive March 2021 bond vote and completion of construction for the WWTF improvements in the summer of 2022.

	Projected Date	Task
2021	March	Conduct Bond Vote
	July	Start construction at WWTF
2022	August	Complete construction at WWTF
2023	August	End of one-year warranty period

QUESTIONS?

