



# CHAMPLAIN WATER DISTRICT BOND VOTE INFORMATION ARTICLE I



## When are the public informational meetings?

### Public Information Meeting No. 1

South Burlington – CWD Facility  
Thursday, February 20, 2020  
7:00 p.m.

### Public Information Meeting No. 2

Essex Junction – Lincoln Hall  
Thursday, February 27, 2020  
7:00 p.m.

## When is the bond vote?

Respective Municipal Poll Locations  
Tuesday, March 3, 2020  
7:00 a.m. to 7:00 p.m.

## What projects are included under the bond?

- Colchester South Tank Loop - New transmission line in the Town of Colchester.
- Essex West Pump Station - New pump station and transmission line in the Town of Essex.

### **TOTAL BOND VOTE AMOUNT?**

The total bond vote amount is \$3,500,000, which is the total project cost for both the Colchester South Tank Loop and Essex West Pump Station. Repayment of the loans for these projects will start as older CWD bonds retire. Therefore, there will be **no CWD rate increase** as a result of these two projects.

## **Essex West Pump Station**

### What is included in the project?

- New duplex pump station downhill of the Essex West Tank, located off Route 15.
- ~ 2,000 linear feet of new 12" ductile iron transmission line from proposed Essex West Pump Station to an existing waterline located on Lang Farms property.

- New tank mixing systems
- Modifications to the Essex East Pump Station.

## Why are the improvements required?

- The proposed pump station will provide a much needed redundant feed into the Essex Junction /Town high service area and Village of Jericho.
- Proposed pump station will also promote operational efficiencies within CWD's overall transmission system.
- Transmission line will create another redundant connection between the Essex Junction Low Service Distribution System and Essex Town East Distribution System.
- Upgrades aging infrastructure at the Essex East Pump Station.

## What is the project schedule?

Project Date		Task
2020	March	Bond Vote
2021	January	Advertise for Bid
	February	Contract Award
	April	Begin Construction
	December	Final Completion / Pump Station In-Service

## What is the project cost?

The total project cost amount is \$2,600,000 and includes construction, construction contingency, engineering, legal and other costs.

## What are the available funding sources?

Funding through the State of Vermont Drinking Water State Revolving Fund (DWSRF) program is available for a 20 year term at a rate of 3%.



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### Colchester South Tank Loop

#### **What is included in the project?**

- ~1,200 linear feet of new 12" HDPE waterline from Camp Johnson to Orion Drive.
- ~300' additional feet of 2" HDPE along Hercules Drive for domestic service to existing customers.
- Redundant feed and draw line to the Colchester South Tanks, which provide storage for six (6) CWD served systems: City of Winooski, Colchester Fire District #1, Colchester Fire District #3, Town of Essex, Colchester Town, and Malletts Bay Water Company.
- Looping will decrease contact time and stagnation of water in distribution mains along Orion Drive, thereby reducing PCE concentrations in the Colchester Town water distribution system to below the state health advisory limit.

#### **Why are the improvements required?**

- The regional Colchester South Tanks only have one (1) primary feed/draw line in continuous service.
- Colchester Town Water System dead ends on Hercules and Orion Drive resulting in longer contact time and stagnant water.
- Colchester Town Water System has been found to have AC waterlines with vinyl linings which leach PCE. The PCE leaching increases with contact time.

#### **What is the project schedule?**

Project Date		Task
2020	March	Bond Vote
	June	Advertise for Bid
	July	Contract Award
	August	Begin Construction
	November	Final Completion / Transmission Line In-Service

#### **Who is responsible for the costs?**

- The Colchester Town Water System is responsible for all preliminary and final design engineering costs.
- CWD and Colchester Town Water System are each responsible for 50% of the associated construction and other costs (easements, permits, legal, etc.).

#### **What is the project cost?**

	Project Cost Share
CWD Share (41%)	\$369,000
Colchester Town Water System (59%)	\$531,000
<b>Total Project Cost</b>	<b>\$900,000</b>

The total project cost amount includes construction, construction contingency, engineering, legal and other costs.

#### **What are the available funding sources?**

Funding through the State of Vermont Drinking Water State Revolving Fund (DWSRF) program is available for a 20 year term at a rate of 3%. Potential for construction subsidy up to 25%.