

TOWN OF FAIR HAVEN

BOND VOTE INFORMATION

WATER DISTRIBUTION SYSTEM IMPROVEMENTS

When are the public information meetings?

Public Information Meeting No. 1

Fair Haven Town Hall
 Tuesday, February 16, 2016
 7:00 p.m.

Public Information Meeting No. 2

Fair Haven Grade School Auditorium
 Monday, February 29, 2016
 7:00 p.m.

When is the bond vote?

Bond Vote

American Legion Post #49
 Tuesday, March 1, 2016
 10:00 a.m. to 7:00 p.m.

What water system improvements are included in the project?

Waterline Replacement Summary

Item Description	Original Dia. (in.)	Proposed Dia. (in.)	Length (ft.)
North Main St	4	8	1,000
4 th Street	6	8	1,000
Mechanic Street	4	8	600
Maple Street	4	8	800
Liberty Street	4	8	450
Pine Street	4	8	275
Route 4A (aka Capitol Hill)	---	---	---
Dutton Avenue	4	8	675
Depot Street	4	8	800
Total Length of Replacement			5,975

Note:

- All new waterlines will be 8" PVC.
- New services will be installed up to the edge of the Right-of-Way.
- Includes installation of new fire hydrants at approximately 500' intervals.



North Main Street

- Between the intersections of Allen Street and 4th Street.

4th Street

- Between the intersections of Caernarvon Street and North Main Street.

Mechanic Street

- Between the intersections of Second Street and 4th Street.

Maple Street

- Between the intersections of North Main Street and Cottage Street.

Liberty Street

- Between the intersection of North Main Street and Cottage Street.

Pine Street

- Beginning at the intersection with 4th Street and up to Hydrant 49.

Route 4A (aka Capitol Hill)

- Beginning at the intersection with North Main Street and up to Hydrant 34.

Dutton Avenue

- Beginning at the intersection of 4th Street and up to Hydrant 35.

Depot Street

- Beginning at the intersection of River Street and up to Hydrant 86.

Why are the water system improvements required?

- Recent fire flow tests and hydraulic analysis has provided evidence of inadequate fire flows on the aforementioned streets.
- Recent hydraulic analysis has shown that the following waterlines are aging and deteriorating.
- Replaces original, smaller diameter cast iron waterlines which are subject to leaks and will minimize disruptions to customers and eliminate costly repairs.
- Improves the pressure and fire flow to the waterline areas and additionally strengthens the hydraulics and fire flow

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capacity to other areas within the distribution system.

- The State Drinking Water and Groundwater Protection Division specifies that the minimum size of water mains for providing fire protection shall be 8" diameter.

What is the project cost and bond amount?

Estimated Construction Costs

Item Description	Estimated Cost
North Main St	\$260,000
4 th Street	\$255,000
Mechanic Street	\$190,000
Maple Street	\$200,000
Liberty Street	\$120,000
Pine Street	\$85,000
Route 4A (aka Capitol Hill)	\$140,000
Dutton Avenue	\$180,000
Depot Street	\$175,000
Total	\$1,605,000

Total Bond Amount

Item Description	Estimated Cost
Opinion of Total Project Cost	\$2,120,000
Total Funding Requirement	\$2,120,000
Total Bond Amount	\$2,120,000

What are the available funding sources?

USDA Rural Development

Funding through the USDA Rural Development (RD) program is with grant/loan terms estimated to be 2.625% (Intermediate Rate) for 30 to 40 years. Depending on the median household income the Town could qualify for a lower interest rate and grant up to 45%. It is anticipated that the loan rate will be 2.625% for 30 years, with a 25% grant. Based on this information the annual loan payment for the USDA RD \$2,120,000 loan is approximately \$77,250. USDA RD cannot issue a funding offer until a positive bond vote has passed.

What is the projected impact on the current Water Rates?

A typical Town residential water customer pays a base rate of about \$31.20 per quarter. In order to fund the recommended improvements, the future debt would need to be applied to the base rate. A typical residential customer is anticipated to see their water base rate increase up to \$86.80 per year (\$21.70 per quarter). The debt repayment for the proposed upgrades to the water system will be paid by the water system customers only.

What is the project schedule?

Project Date		Task
2016	March 1	Bond Vote
	April	Begin Final Design
	December	Complete Final Design
2017	February	Advertise for Bids
	March	Contract Award
	April	Begin Construction
	August	Complete Construction
2018	August	End of One-Year Warranty Period

