TOWN OF NORTH READING WASTEWATER PROJECT

Update to the Select Board Monday, February 13, 2023 North Reading Middle/High School Distance Learning Lab



Clean Water State Revolving Fund

- The Town has been notified that the wastewater project has been included on the Massachusetts State Revolving Fund (SRF) program 2023 Draft Intended Use plan.
- SRF is a federal-state partnership that provides communities low-cost financing for a wide range of water quality infrastructure projects.
- Construction Costs are Eligible for SRF Financing.
- Design Cost, Land Purchases, Administrative Costs and Fees are not.
- For Eligible Costs, the standard terms are 2% interest for a 20 year repayment period or 2.4% for a 30-year repayment period.
- Non-Eligible Project Cost is financed at the current market Interest rate.
- The Initial Project Borrowing will require a Short Term Interest Only Bond Anticipation Note (BAN) at current market interest rate.

Wastewater Project Cost Breakdown

Total Project Cost Estimate = \$129,100,000

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    General Benefit Facilities Cost (To Pump Out of Town) = $73,580,000
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    Special Benefit Facilities Cost (In Town Collection) = $55,520,000
    $129,100,000
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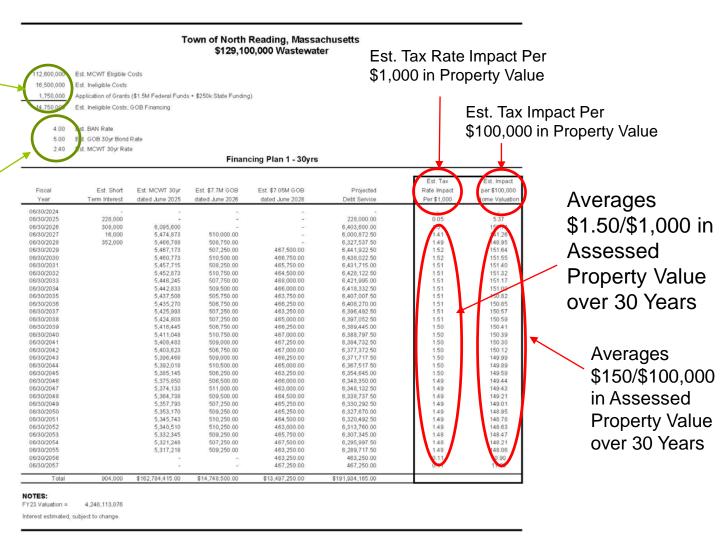
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Project Cost Eligible for Low Interest SRF Loan = $112,600,000
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• Project Cost Not Eligible for Low Interest **SRF Loan** = \$16,500,000 \$129,100,000

Wastewater Project Borrowing Over a 30 Year Repayment Period

112.6 Million in SRF Eligible Cost 16.5 Million in Non-Eligible Cost

4% BAN Rate
5% Market Rate
2.4% SRF Rate



Hilltop Securities

Additional Financial Assistance Available

- \$1.5 million in federal funding for final design earmarked for the Town (Congressman Moulton; Senators Warren and Markey)
- \$250,000 in state funding for design/permitting earmarked for the Town (Rep. Jones and Senator Tarr)
- It is anticipated that these grants will reduce the amount of funding to be borrowed.

Municipal Finance: Debt Exclusion

- A debt exclusion is a vote to exclude from the levy limit the costs of debt service for capital projects. This exclusion remains in effect for the life of the debt only.
- A project funded by a debt exclusion is paid for by raising property taxes townwide above and beyond what they would normally be in a given year or years.

Wastewater Project Borrowing as a Debt Exclusion

- Debt Exclusion Tax on Average Valued Single Family Home = \$745,319:
 - Average over the 30 Year Project Borrowing Period = \$1,116 per Year
- This Debt Exclusion Amount can be Reduced with the use of Other Revenues Sources to lower the Amount Borrowed or to Contribute to Payment of the Annual Debt Service Amount and includes:
 - Betterment Assessment Revenue
 - Privilege Fee Revenue
 - Use of Available Funds (ARPA, Sale of Town Land (Pulte), Etc)

Municipal Finance: Betterment

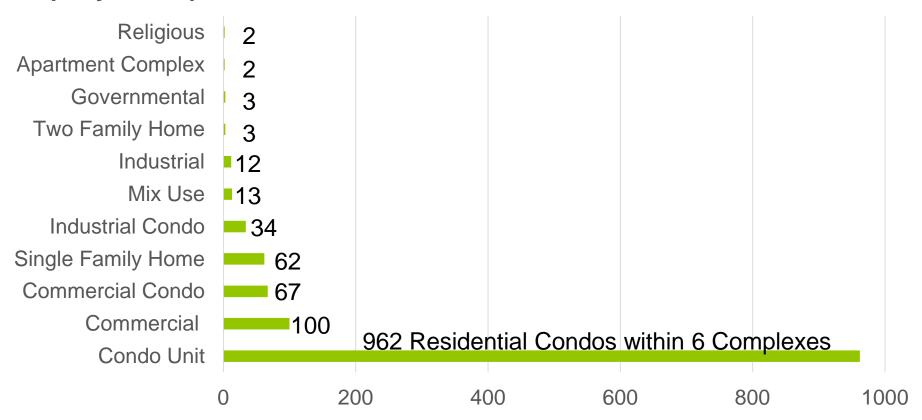
- A Betterment is a special property tax that is permitted where a special benefit or advantage is received from the construction of a public improvement. For sewers, these costs cover:
 - General Benefit Facilities, such as pumping stations, trunk sewers and force mains; and
 - Special Benefit Facilities, such as mains serving adjacent properties.
- A betterment is a municipal lien on a property, determined once all project costs are finalized. The property owner may elect to pay all or a potion of the lien when assessed, stretching the remainder over the bonding period, or portion thereof.
- Betterments can be assessed based on actual water usage or Title V septic requirements

Betterments and Privilege Fees

- Betterments are generally guaranteed revenue to offset the cost of a project. To assess a betterment, Town Meeting approval in the form of a bylaw or specific vote is required.
- Privilege Fees are not guaranteed and only occur when a property owner who was not subject to a betterment decides to connect. Privilege fees can also be assessed to a property that paid a betterment but is seeking more wastewater capacity than it was bettered for. To assess a privilege fee, Town Meeting approval in the form of a bylaw or specific vote is required. To assess a privilege fee to a property that has paid a betterment and is seeking additional wastewater flow, special legislation (approval from the state) is required.

Property Types in Phase I Area

Property Description



Decisions

- Should we bond (borrow) for this project?
 - In any scenario, the Town will have to seek a bond authorization at Town Meeting. The Town does not have sufficient funding on hand to pay for the cost of this project. The Town also does not have sufficient funding to make debt payments on a bond within the existing tax levy.
- Rely solely on funding from a townwide debt exclusion?
 - All taxpayers would pay for the project in the form of an additional cost in their tax bill with no portion of the cost assessed as a special benefit to property owners along the project route.
- Assess betterments to reduce the cost to the taxpayer townwide?
 - This would require abutting property owners to pay a portion of the overall project costs upfront or over the term of repayment of the bond, reducing the cost to taxpayers townwide. This assessment would be roughly equivalent to the increase in property value resulting from the availability of public sewer, and payments would be required regardless of whether or not a property owner chooses to connect to the system. The assessment of betterments requires Town Meeting approval in a bylaw or specific vote.
- If so, how much should the betterment be?
 - A series of scenarios will follow.
- Assess privilege fees?
 - This would require abutting property owners to pay a portion of the overall project costs only if they choose to connect to the sewer. They can connect at the time of construction or at a later time. The use of privilege fees requires Town Meeting approval in a bylaw or specific vote.

Financing Scenarios

Wastewater Project Funding from Debt Exclusion, Betterment Assessments & Sewer Privilege Fees											
TABLE 1 BETTERMENTS & SEWER PRIVILEGE FEE ASSESSMENT COMPARISONS	No Betterments or Privilege Fees	Opt In & Pay F	rivilege Fees Up	oon Connection	Betterments Liened Upon Construction						
	100% Debt Exclusion With No Betterment Assessments	\$5,000 Single Family Sewer Privilege Fee	\$10,000 Single Family Sewer Privilege Fee	\$20,000 Single Family Sewer Privilege Fee	With \$5,000 Single Family Betterment Assessments	With \$10,000 Single Family Betterment Assessments	With \$20,000 Single Family Betterment Assessments				
Property Description	Title V Current Design Flows	Title V Current Design Flows	Title V Current Design Flows	Title V Current Design Flows	Title V Current Design Flows	Title V Current Design Flows	Title V Current Design Flows				
Project Cost to be Borrowed:	\$127,350,000	\$127,350,000	\$127,350,000	\$127,350,000	\$127,350,000	\$127,350,000	\$127,350,000				
Project Cost Paid for as Debt Exclusion:	\$127,350,000	\$127,350,000	\$127,350,000	\$127,350,000	\$120,815,000	\$114,280,000	\$101,210,000				
Debt Exclusion per \$1,000 in Assessed Property Value:	\$1.50	\$1.50	\$1.50	\$1.50	\$1.42	\$1.35	\$1.21				
Debt Exclusion for Avg Single Family Home = \$745,319:	\$1,116	\$1,116	\$1,116	\$1,116	\$1,062	\$1,008	\$901				
Project Cost Paid for as Betterments:					\$6,535,000	\$13,070,000	\$26,140,000				
Total Number of Sewer Units Assessed:					1,307	1,307	1,307				
Single Family Home Betterment Cost = 1 Sewer Unit :	\$0	\$5,000	\$10,000	\$20,000	\$5,000	\$10,000	\$20,000				
Condominium Units, 1 Bedroom:	\$0	\$1,667	\$3,333	\$6,667	\$1,667	\$3,333	\$6,667				
Condominium Units, 2 Bedroom:	\$0	\$3,333	\$6,667	\$13,333	\$3,333	\$6,667	\$13,333				
Condominium Units, 3 Bedroom:	\$0	\$5,000	\$10,000	\$20,000	\$5,000	\$10,000	\$20,000				
Condominium Units, 4 Bedroom:	\$0	\$5,000	\$10,000	\$20,000	\$5,000	\$10,000	\$20,000				

ADDITIONAL INFORMATION

Septic System Repair/Replacement Costs

Ranges between \$25,000 - \$50,000 for the typical Single Family Home

Septic Sys	tem Costs						
		Local Contractors		Town's Design Engineer		Local Design Engineer	
		NR Contractor 1	NR Contractor 2	Wright- Pierce 1	Wright- Pierce 2	Eng Costs	Const Costs
Repair	Replace Septic Tank	\$6,000 to \$7,000	\$8,500			\$0	\$5,000 to \$7,000
	Replace Leaching Field	\$20,000 to \$30,000	\$20,000			\$2,250 to \$2,750	\$20,000 to \$25,000
	Replace Raised Leaching Field	\$25,000 to \$40,000				\$2,250 to \$2,750	\$30,000 to \$35,000
New	Conventional (Gravity) Septic System	\$25,000 to \$40,000	\$38,500	\$30,000 to \$40,000	\$24,000 to \$28,000	\$2,250 to \$2,750	\$32,500 to \$40,000
	Pumped system with Raised Leaching Field	\$35,000 to \$45,000	\$60,000		\$32,000 to \$36,000	\$2,250 to \$2,750	\$37,500 to \$47,500
	Non-Conventional System (Alternative Technology)	\$30,000 to \$50,000				\$2,250 to \$3,250	Can add \$7,000 to \$8,000

Sewer Rates of the GLSD Municipalities

- Rates are shown per Hundred Cubic Feet (HCF) Quantities which is approximately 748 Gallons
 - Andover: \$4.45 per HCF
 - North Andover: \$9.24 per HCF
 - Lawrence: \$3.58 per HCF
 - Methuen: \$4.48 per HCF
 - Salem New Hampshire: \$4.65 per HCF
- Using Highest Sewer Rate of the GLSD Municipalities = \$9.24
- The Average Single Family Home using 130 GPD
- The Average Quarterly Sewer Bill = \$147

Next Steps: Meetings / Info Sessions

Monday, February 13, 2023

Select Board Update on Wastewater Project Financing

Monday, February 27, 2023

Select Board By-Law Warrant Article Informational Hearing and Wastewater Project Discussion

Tuesday, February 28, 2023

Town Boards & Committees Informational Meeting

Monday, March 6, 2023

Town Meeting on Sewer Betterment By-Law Petition

Wednesday, March 8, 2023

Public Outreach Meeting #1 (In Person)

Monday, March 27, 2023

Select Board Actions on WWP Financing

Wednesday, April 5, 2023

Public Information Session #2 (Virtual)

Tuesday, April 11, 2023

Public Information Session #3 (In Person)

Monday, May 8, 2023

Select Board Warrant Article Informational Hearing

Monday, May 15, 2023

Town Meeting for Wastewater Project Borrowing

No More Than 90 Days Later

Special Election for Wastewater Project Debt Exclusion

END