Winchester Water Rate Study May 8, 2019

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Water System Overview

- Sources 3 Groundwater Well
 Pump Stations
- Distribution 30 Miles of Water Main



Storage – 1 Water Tank (500,000 Gallon Capacity)



Water System Statistics

- Population Served
 - 1,101 service connections
 - Service population approx. 2,795
- FY17 Total Water Billed 9.5MG
- FY17 Billed \$180,140
- Transferred from general fund \$74,950
- Total FY17 water expenses \$278,356





The Value of Water

- Drinking Water
- Public Health
- Cooking
- Showers & Laundry
- Toilet Flushing
- Hospitals
- Firefighting
- Agriculture



American Water Works Association (AWWA)

 Water supplier must provide adequate water service to its customers as well as receive sufficient revenue to provide for operation and maintenance, system upgrades, and maintenance of the supplier's financial integrity. This includes covering all cash needs, debt obligations, and basic expenses required for a water system



Water System Improvements through USDA Funding

- New water storage tank
- Booster pump station
- Water mains on Richmond Road
- \$3.325M Funding received
 - 。 \$2.609M Loan
 - 。 \$0.703M Grant
 - ° \$13,000 Town contribution
- Annual debt service \$128,230



Projected Water Expenses with Debt Service

	2017/2018		Projected	
Total Operating Expenses	\$	278,356	\$	281,568
USDA Annual Debt Services	\$	-	\$	128,230
Total Revenue needed from Rates and Fees	\$	278,356	\$	409,798

Need water revenues of \$410,000



Unsurpassed Solutions in the Water Environment

Existing Water Rates

User Rates (\$/100 cubic feet)	\$1.70
Quarterly Rate	\$30.00



Unsurpassed Solutions in the Water Environment

Proposed Water Rates

User Rates (\$/100 cubic feet)	
0-5,000	\$3.00
5,001-12,000	\$3.35
12,001-20,000	\$4.00
20,001 c/f and Greater	\$4.60
Quarterly Rate	\$50.00



Needed and Projected Revenues

Needed Revenue	\$410,000
Projected Revenue	\$433,788
Surplus	\$23,788*

* Surplus for abatements and emergencies



Unsurpassed Solutions in the Water Environment

Non-Rate Revenue Fees

Fee	Existing Fees	Proposed Fees
Residential Service		
Connection		Per Meter Size ¹
1-Inch	None	\$1,000
1-1/2-Inch	None	\$1,200
2-Inch	None	\$1,700
		To be purchased and
		installed by developer in
Commercial Service		accordance with Town
Connection		regulations
Water Connection Fee		
for Fire Service		
1-Inch	\$750	\$1,000
1-1/2-Inch	\$1,200	\$1,200
2-Inch	\$1,700	\$1,700
6-Inch	\$6,000	\$6,000
8-Inch	\$8,000	\$8,000
Sprinkler Systems per		
quarter	\$75	\$100
1-Inch 1-1/2-Inch 2-Inch 6-Inch 8-Inch Sprinkler Systems per	\$1,200 \$1,700 \$6,000 \$8,000	\$1,200 \$1,700 \$6,000 \$8,000

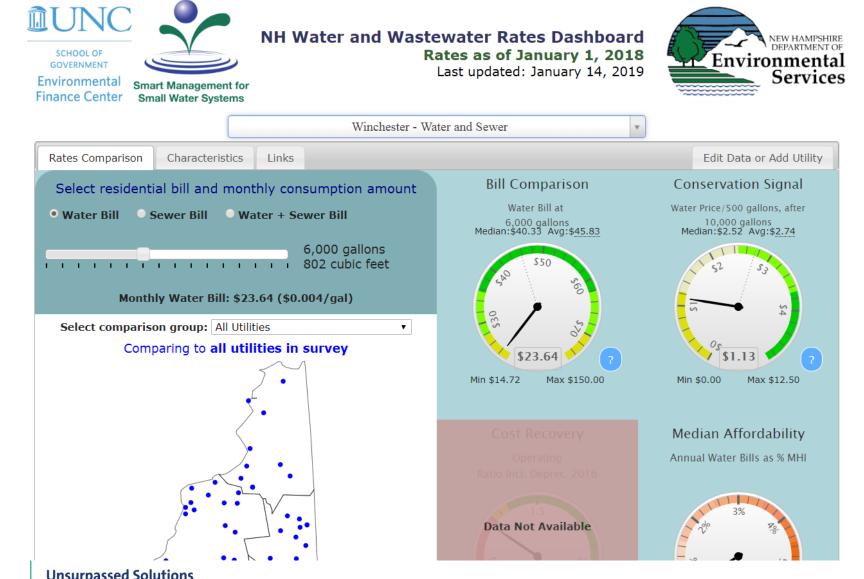


Non-Rate Revenue Fees

Fee	Existing Fees	Proposed Fees	
Turn On/Off	\$15	\$40	
Other			
Regular Hourly			
Rate	\$30	\$40	
	\$70 for first hour;	\$120 for first hour; \$60	
After Hours Rate ²	\$35 after	after	
Final Meter			
Readings	\$0	\$40	
		Materials Cost Plus Hourly	
Repairs		Rate (1hr. Min.)	
Non metered per			
quarter	\$30	\$50	
		\$50 Plus Usage (Billed at	
Hydrant Meter	0	Highest Tier Rate)	
Penalties	8% of Past Due Bill	8% of Past Due Bill	

¹ Meter cost is included in Residential Service Connection Fee 2 Time and a half hourly rate for any service provided after regular working hours for two employees







Unsurpassed Solutions in the Water Environment

Comparison to Other Communities

Town	Frequency of Billing	Base Charge Pricing	Connection Fee ¹	Average Water Bill ^{1, 2}	Price Per Gallon
Hinsdale ³	Quarterly	By meter size	\$1,839	\$444.84	\$0.00618
Keene	Quarterly	By meter size	Not reported	\$462.36	\$0.00642
Marlboro	Quarterly	Constant	Not reported	\$765.36	\$0.01063
Troy	Quarterly	Constant	\$1,000	\$575.40	\$0.00799
Walpole	Quarterly	By meter size	\$750	\$519.36	\$0.00721
Winchester (Existing) Winchester (Proposed) ⁴ NH Statewide Average	Quarterly Quarterly	Constant Constant	\$0 \$750		\$0.00678

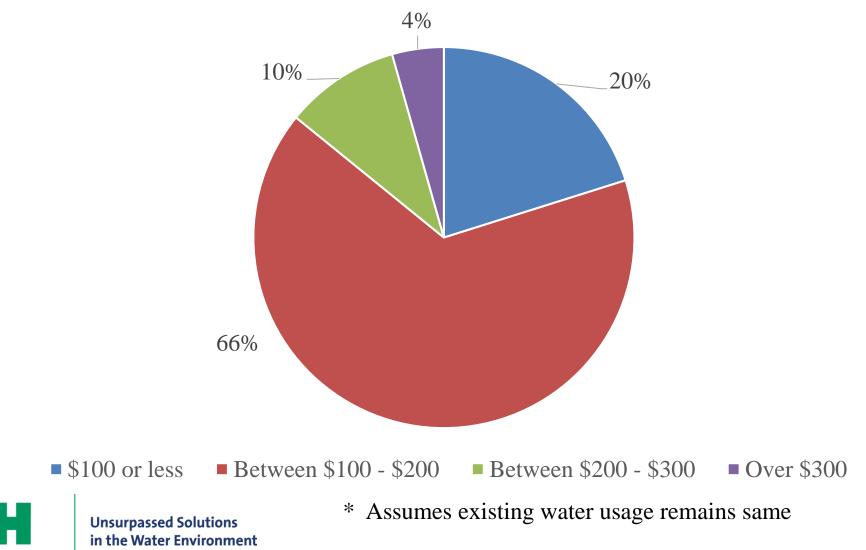
 ¹ Source FY17 - FY 18 Water and Wastewater Rate Structure in NH - NH DES and Environmental Finance Center at UNC and Dashboard
 ² Assumes usage of 71,996 gallons per year
 ³ Connection fees varies based on size of connection

⁴ Based on proposed tiered rates and base charge



Annual Impacts to Water Customers*

TATA & HOWARD



What do the impacts mean?

- \$100 annually \$0.27 per day
- \$200 annually \$0.55 per day
- \$300 annually \$0.82 per day



