

Smart Management for Small Water Systems



SCHOOL OF GOVERNMENT

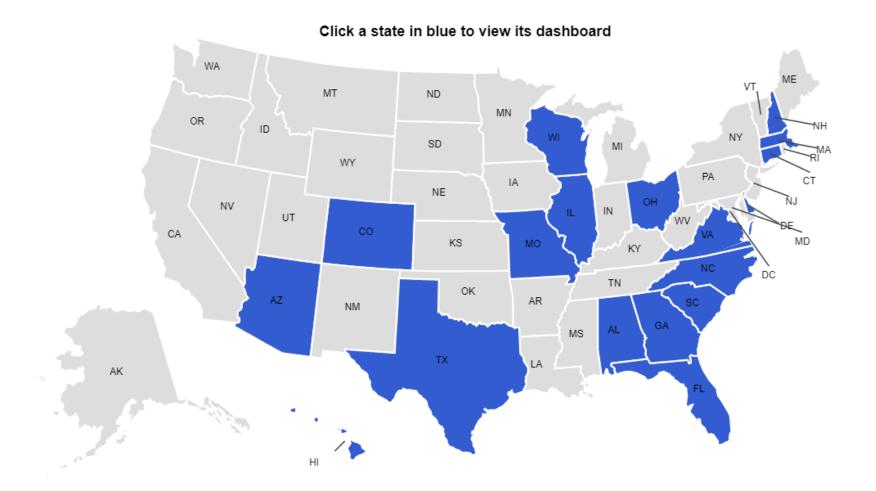
Environmental Finance Center



Survey and Dashboard of New Hampshire Water and Wastewater Rates: Use for Vermont Utilities



EFC Dashboards in 18 States





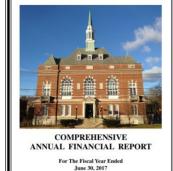
Additional Data Sources



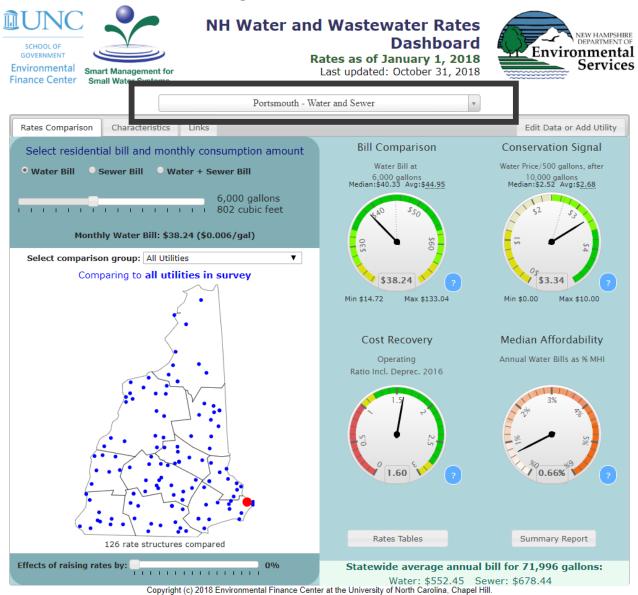


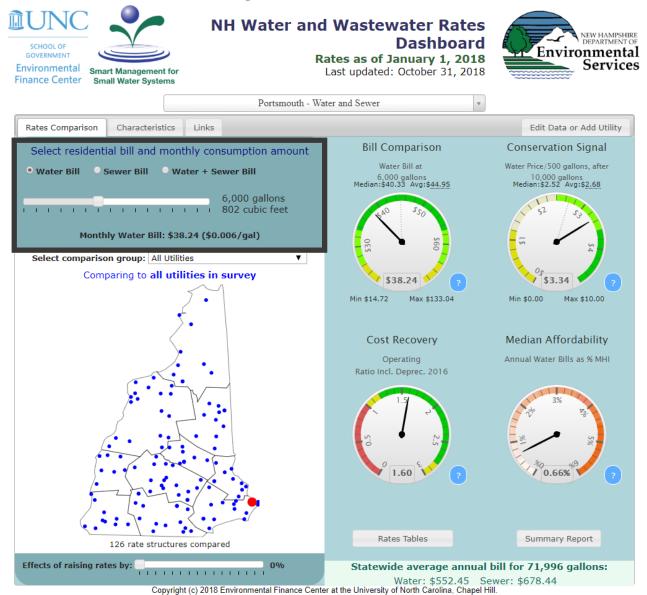


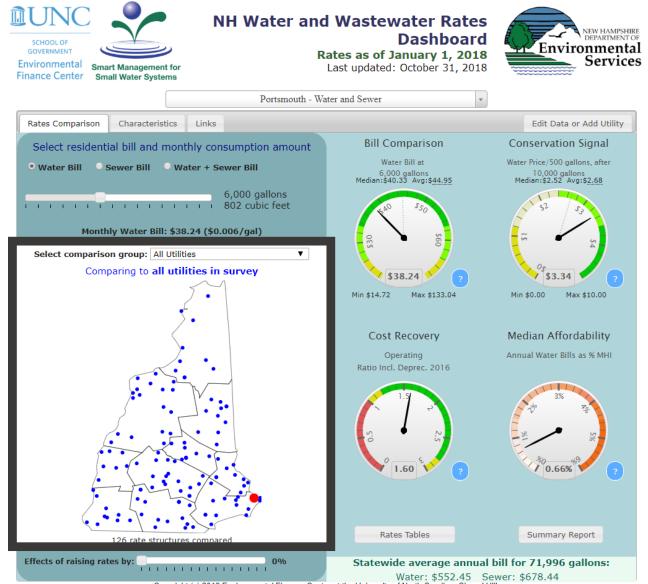
CITY OF CONCORD NEW HAMPSHIRE



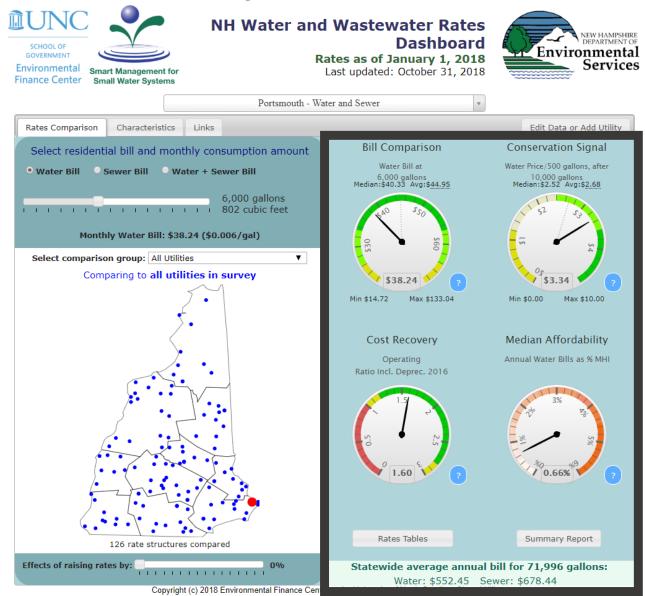
Local CAFRs

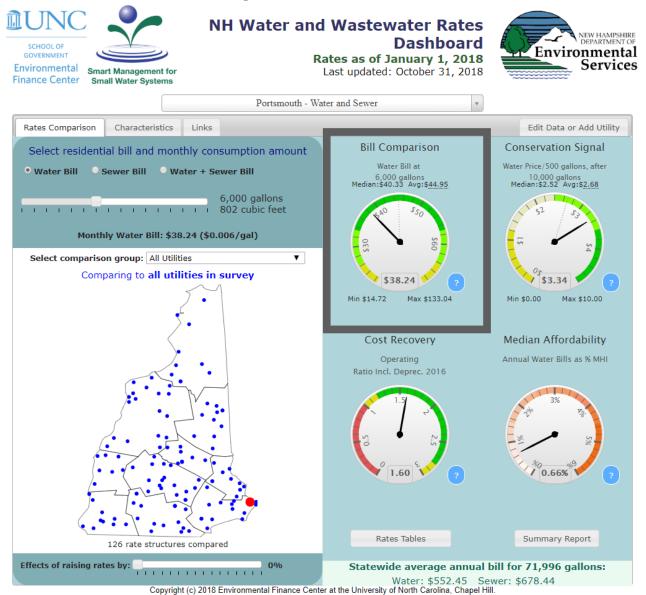


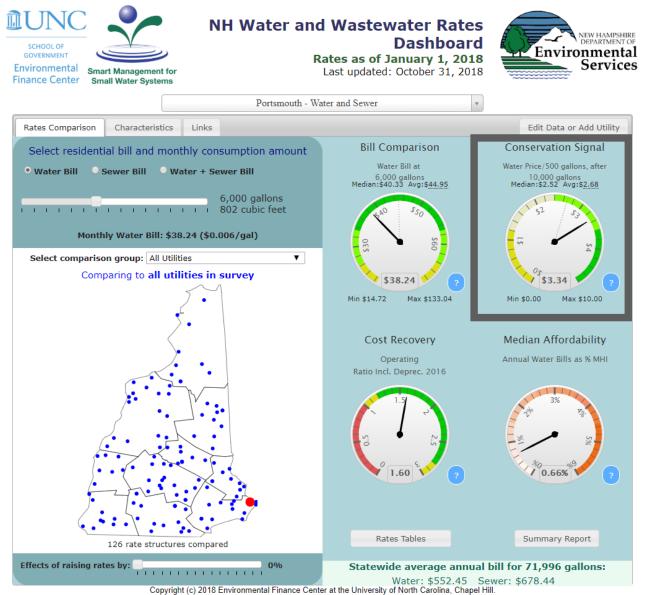




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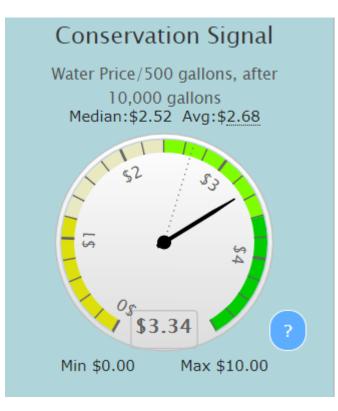


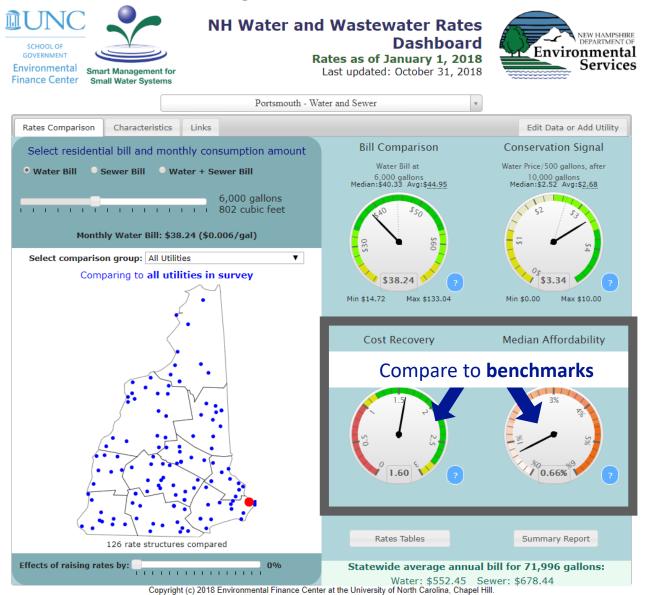


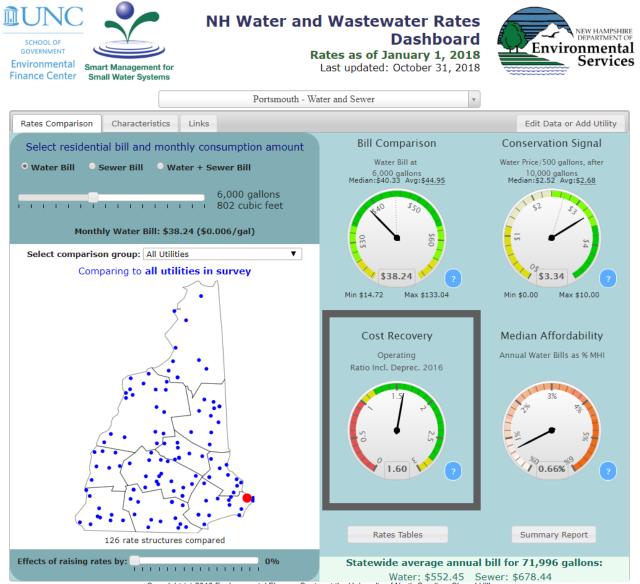
Dial: Conservation Signal

Colored bands = quartiles

In this example, the marginal price of 1,000 gallons is in the 75th percentile among its peer group, promoting a moderately strong conservation signal

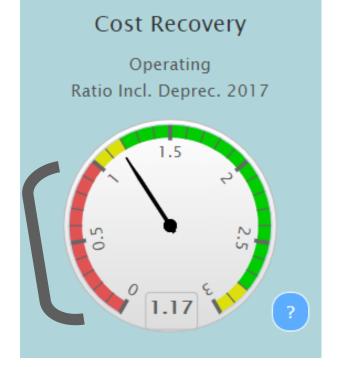






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Red = costs exceed revenues; a concern for financial sustainability



Yellow = revenues are sufficient to cover costs, but could be problematic in long-term

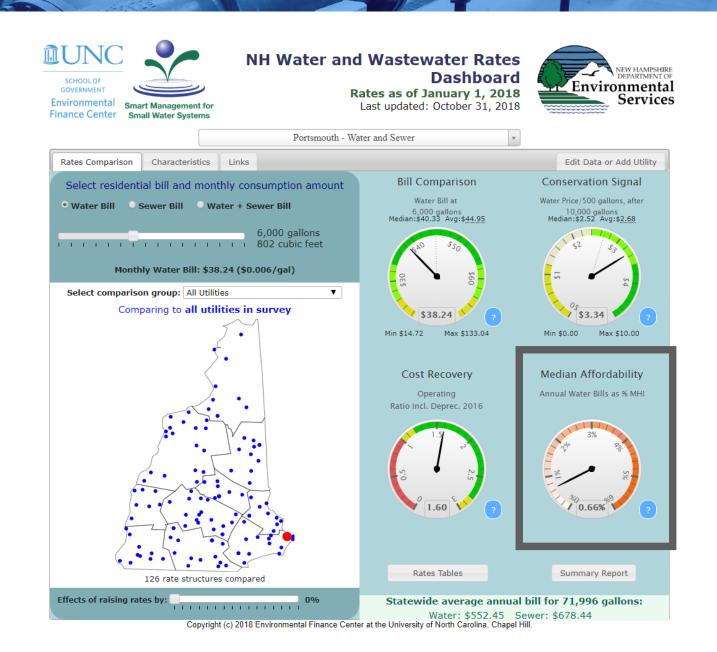


Green = revenues are likely enough to pay for day to day costs as well as long-term goals



Yellow = revenues may be "too" good





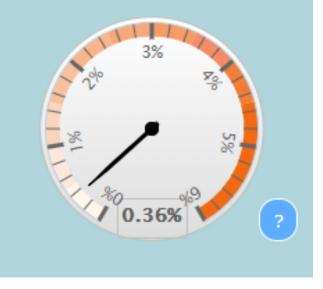
Dial: Median Affordability

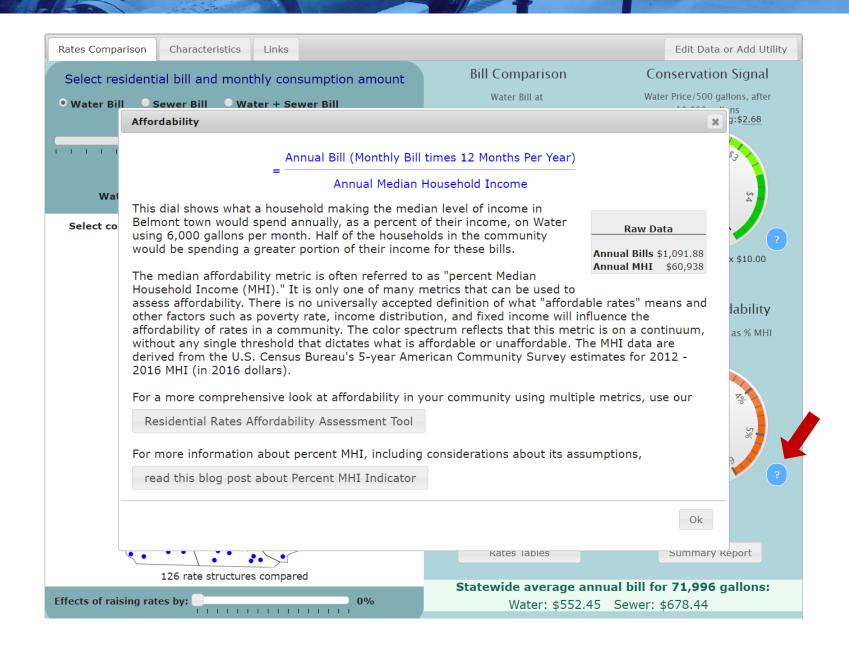
Darker shades of orange indicate a higher percentage of MHI spent annually on bills

The percentage of median household income (MHI) spent annually on water and wastewater bills



Annual Water Bills as % MHI





Entering your utility's rate structure



Environmental Finance Center Smart Management for Small Water Systems NH Water and Wastewater Rates Dashboard Rates as of January 1, 2018



Last updated: January 14, 2019

	Abenaki Water Company - Belmont	*		
Rates Comparison Characterist	ics Links	Edit Data or Add Utility		
Note: Data will only be available locally on this computer/ web browser. Your Utilities will show up in the drop-down list above. Some functions of the dashboard are disabled for user-defined utilities.				
Example: Affordability Issue (Demonstration Only) Edit Use				
	Example Utility (Demonstration Only) Example: Low Rates, Low Operating Revenue (Demonstration Operation Op	Edit Use Only) Edit Use Edit Use		
	Create a new Utility Clone Utility 'Abenaki Water Compa	any - Beimont		

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Entering your rate structure

- Use conservation signal, cost recovery, and median affordability dials
- Download rates analysis model

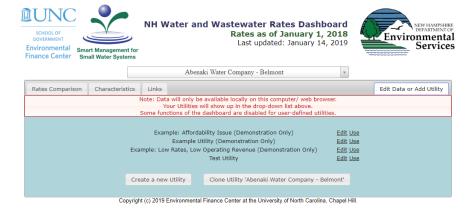
for in-depth rates analysis

 Contact the EFC to receive free direct assistance (10,000 or fewer customers)

Caution

Revenue impacts are highly speculative. For more detailed modeling, the EFC's <u>Water and Wastewater Rates Analysis</u> <u>Model</u> is a free tool that examines how revenues at your utility could be affected by various changes in rate structures. However, neither of these tools should be used in place of an in-depth rate study. ***Caution***

Assumes across-the-board rate increases for all customer classes. Projected revenue impacts assume a 3 percent drop in demand for every 10 percent increase in price. Accuracy of projections decreases as the proposed rate increase gets larger.



When To Use This Tool

- As part of your annual rate review
- When presenting to boards or other decisionmakers on the need to change rates



The proposal before the Board of Commissioners includes demolition, design, and reconstruction of many pieces of equipment that have contributed to these costly expenditures in their old age. The town's enterprise fund has incurred an operating loss ranging from approximately \$130,000 to \$350,000 since FY 2010. The operating loss for the year ended June 30, 2016 was \$278,955. Said differently, operating revenues only covered 76% of expenditures. In general, operating revenues should meet or exceed operating expenditures to accommodate future capital investments.

Audited data for FY 2016			
Operating Revenues	\$862,108		
Operating Expenses	\$1,141,063		

- When explaining rates to customers
- For private systems, as part of your PUC rate case