



TOWN OF MAYNARD
Department of Public Works
MUNICIPAL BUILDING

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Summary of Findings

Overview:

- The department of public works through its water and sewer division has the responsibility to review the enterprise funding account and sustainability to provide necessary funding for the yearly operation of both water and sewer, as well as capital improvements to water and sewer infrastructure. The department is responsible to provide clean drinking water and sanitary sewer discharge for the town.

Water & Sewer utility Programs:

- The Water and Sewer Division is responsible for ensuring that the town's water supply meets or exceeds all EPA and DEP guidelines for safe drinking water and that all wastewater is collected and delivered to the wastewater treatment plant.
- Maynard's Wastewater Treatment Plant is responsible for ensuring that all effluent discharged into the Assabet River meets or exceeds all EPA and DEP requirements.

Town of Maynard's Water & Sewer utility:

- The town of Maynard's water and sewer department operates and maintains three water treatment plants located in Maynard
- Over 100 miles of underground water and sewer distribution piping. Ranging in age of install from 1900 – 1990, with most of the distribution system well over 70 years old
- 10 sewer pump stations at various locations across town
- The town of Maynard has a Wastewater treatment facility which is operated through a contractor, Veolia. The town is responsible for capital costs and contracted operational costs associated with the plant's operation

Research

- When looking for comparative communities, the first step is to look at communities of equal size, i.e. population, area (square miles), residential units, etc. Unfortunately, utilities such as water/sewer/municipal lighting are not "apples-to-apples" comparisons. There are many variables that must be equated to narrow down appropriate comparatives, even then each utility is unique, age, water production

- (well, surface, outside source, regionalization), sewer treatment (type, regionalization), regulatory permitted limits, etc.
- The Department of Public works is focusing on the town of Maynard's needs, current and future in conjunction to our water capacity study, and capital plan.

Comparable Utility

Littleton:

- Littleton posts their rates per gallon; we post ours in cubic feet. The conversion is 7.48 gallons = 1 cubic foot. Littleton has a base charge of \$10, before a charge of \$5.66 per 668cf when converted. This is technically \$10.16 higher than our 500cf or less users (elderly)
 - o Littleton's tier 2 is \$7.07 for 668cf – 1,336cf plus the initial \$10.
 - o Littleton's tier 3 is \$8.84 for 1,336cf – 2,004cf plus the initial \$10.
 - o Littleton's tier 4 is \$11.00 for 2,004cf – 2,672cf plus the initial \$10.
 - o Maynard's tier 2 is \$10.60 for 500cf – 2,500cf
 - o This is extra tiering that is used to adjust for the higher payments at lower water use, Maynard's tier system is set-up to alleviate the cost on our lesser users, promoting conservation which attributes to our lack in water production. Most average users fall into the use of 2500cf per quarter, which Maynard is lower, Littleton's tier is deceiving.
- Littleton can produce over 2.3 million gallons a day, this is double what Maynard can produce, this allows Littleton to not have to implement mandatory water bans, such as we do to meet demand. This allows Littleton to sell as much water as possible, allowing for an increased revenue stream. We do not have that ability. We are maxed out!!!
- Littleton does not provide sewer, this is the more expensive aspect of the Town of Maynard's bills, i.e. actual dollar amount. This is due to the large amount of improvement needed to our sewer system including our treatment plant, which we contract the services
- Most comparable towns do not have major water capacity issues that the town of Maynard has and is echoed in the attached water capacity memo (Stantec)

Summary:

- After review of the overall utility, contract's, regulation requirements both present/future, water capacity, sewer capacity, projected development, capital plan, my findings are as follows in the attached memo recommendation

Water Process Resource:

https://www.youtube.com/watch?v=dq9Yg_jlsUc&feature=youtu.be