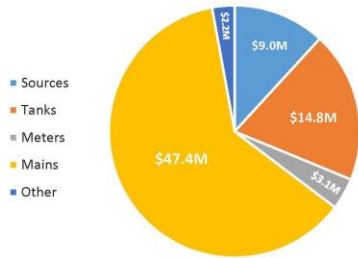


Life Cycle Costs

The Precinct's Asset Management and Capital Improvement Plans lay out estimated system costs for the next 20-25 years. Projecting forward to a major asset life span of 100 years, the refurbishment & replacement life costs as currently understood are likely to be:



Funding Strategy

- Integration of AMP and CIP
- Annual reviews of CIP, rates, budget and reserves
- Creative and fair revenue models
- Maintain/build capital reserves
- CIP funded in operating budget
- Projects prioritized in plans
- Integrated road works planning
- Reuse debt service decreases
- Seek grants / low-interest loans
- Proactive vs. reactive

What People Are Saying

"I really appreciate that you are working so diligently to update the infrastructure"
...Resident/Customer/Local Official

"[you're]...doing a wonderful job with the limited resources that you have at your disposal...keep up the great work!"...NHDES

"I...have seen many pump station sites ... and I have NEVER seen them so clean and taken care of as yours"...Contractor

Looking Forward

We need your support! To continue providing safe, secure drinking water and fire protection, the Precinct will need residents, officials, builders, funders and other stakeholders to work with us as we seek to promote a better understanding of critical water infrastructure resources and needs. Working together, the future is bright.

Contact Us

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Water System Asset Management

...in Hooksett Village, NH





What is Asset Management?

Asset management is an approach to operating and maintaining a water system cost-effectively while maintaining a level of service that is acceptable to customers and sustainable over the long-term.

This approach helps decision-makers plan for the care of aging assets. Founded in 1941, the Hooksett Village Water Precinct follows this approach to ensure that our residents get the most value from their water system assets and that we have the resources to rehabilitate and replace those assets as needed.

Asset Management Plans include:

Asset Inventory - *What the system owns*

Level of Service - *How the system performs*

Critical Assets - *Identifying the most important risks/assets*

Life Cycle Costing - *Costs of maintaining the system*

Funding Strategy - *How the system pays the costs*

Project History

The best Asset Management Plans are living documents that evolve over time. With our partners [Tata & Howard](#), [Granite State Rural Water Assoc.](#), [Brown Engineering](#) and [NHDES](#), the Precinct completed a comprehensive plan in 2022. The plan built upon extensive field, rate review and capital improvement studies begun in 2016 and included:

- *Total hydrant flow testing*
- *GIS & SCADA systems development with aerial drone mapping*
- *Valve & meter program upgrades*
- *Energy & water loss audits*

The Village Water System (Asset Inventory/Critical Assets)

Sources: Four wells @ Pinnacle Pond, 1,200 gals/min, 111 million gals/yr

Treatment: Chlorine (disinfection), soda ash/phosphate (color/corrosion)

Storage: Three tanks, 2.2 million gals

Distribution: 32 miles of water main, 196 fire hydrants, 1,200+ services

System Performance Metrics ("Level of Service")

Affordability: 0.65% (Goal <2.5%)

Average Cost per Gallon: \$0.01

Water "Balance": 1.5% (Goal <15%; unauthorized/unmetered use)

Breaks/Leaks per Year: 3 (Goal <10)

Available Capacity: >79,000 gals/day with primary well off-line

Violations: None

