

## WATER, SEWER, STORMWATER GOALS, POLICIES, STRATEGIES

### WATER, SANITARY SEWERS, STORMWATER

#### Goals:

1. Plan for, finance and develop an efficient system of public facilities to serve Brewer residents and accommodate growth and development.
2. Continue to provide cost-effective public water and sanitary sewer service.
3. Continue stormwater management efforts.

Policies	Strategies	Responsibility
<p><b>1. Water supply.</b> Continue to provide high quality drinking water to water system customers.</p>	<p><b>A. Hatcase Pond.</b> Continue to protect Hatcase Pond through ownership of land and conservation easements around the ponds, and by actively monitoring all land use activities in the watershed.</p>	Water Department
	<p><b>B. Water treatment.</b> Continue to meet or exceed federal and state drinking water standards by providing appropriate, cost-effective treatment at Brewer's state-of-the-art water treatment plant.</p>	Water Department
	<p><b>C. Storage and distribution system</b></p> <ul style="list-style-type: none"> <li>• Continue to maintain and upgrade the water storage and distribution system;</li> <li>• Continue to work cooperatively with Bangor to maintain interconnections and emergency backup supplies to one another;</li> <li>• Provide water to customers in other communities when it is cost-effective to do so; and</li> <li>• Upgrade the City's distribution system to minimize or eliminate water freeze-ups.</li> </ul>	Water Department
	<p><b>D. Public education.</b> Prepare materials to educate the public about Brewer's water system and make them available in a variety of formats including the City's website and as handouts during tours of the water treatment plant.</p>	Water Department

Policies	Strategies	Responsibility
<p><b>2. Sanitary sewer system.</b> Continue to provide wastewater collection and treatment service for sewer system customers.</p>	<p><b>A Sanitary sewers</b></p> <ul style="list-style-type: none"> <li>• Continue to maintain and upgrade the wastewater collection system in compliance with federal and state licensing standards;</li> <li>• Update the 1994 CSO Master Plan and address any remaining problem areas including locations where ground water or stormwater may be entering the system, as well as any remaining cross-connections between sanitary and storm sewers;</li> <li>• Upgrade pumping stations as needed.</li> </ul>	Environmental Services Dept.
	<p><b>B. Water Pollution Control Facility</b></p> <ul style="list-style-type: none"> <li>• Continue to operate and maintain Brewer's state-of-the-art Water Pollution Control Facility as cost-effectively as possible;</li> <li>• Continue to meet federal and state licensing standards;</li> <li>• Upgrade the treatment as needed including replacing the main electrical entrance, repairing concrete, and other improvements where needed;</li> <li>• Continue to serve as an "all hours" receiving station for septic tank pumpers/haulers;</li> <li>• Continue to identify ways to save on operating costs;</li> <li>• Undertake a comprehensive cost analysis prior to investing in systems aimed at automating the entire plant during evenings and weekends.</li> </ul>	Environmental Services Dept.
	<p><b>C. Sludge disposal.</b> Continue cost-effective sludge disposal efforts such as treatment at a regional recycling facility.</p>	Environmental Services Dept.
	<p><b>D. Public education</b></p> <ul style="list-style-type: none"> <li>• Prepare materials to educate the public about Brewer's wastewater collection and treatment system and make them available in a variety of formats including the City's website and as handouts during tours of the Water Pollution Control Facility;</li> <li>• Continue to inform the public about products that damage pump stations and plug sewer lines (thus increasing costs to taxpayers) such as reinforced wipes.</li> </ul>	Environmental Services Dept.

Policies	Strategies	Responsibility
<p><b>3. Stormwater.</b> Continue to manage stormwater in accordance with federal and state requirements and incentives.</p>	<p><b>A. Stormwater collection system.</b> Continue to maintain a stormwater collection system including pipes, catch basins and stormwater discharge locations.</p>	Environmental Services Dept.
	<p><b>B. Retention ponds.</b> Continue to require that new development construct and make provisions for the maintenance of stormwater retention ponds, in accordance with city ordinance requirements.</p>	Environmental Services Dept.
	<p><b>C. General permit to discharge stormwater.</b> Continue to maintain the City's eligibility to discharge stormwater to the waters of Maine including requirements for:</p> <ul style="list-style-type: none"> <li>• Public education and outreach;</li> <li>• Public involvement and participation (e.g. stream cleanup by volunteers);</li> <li>• Enforcement of illegal discharges to storm sewers;</li> <li>• Requirements for stormwater retention structures;</li> <li>• Post construction management of stormwater projects;</li> <li>• Pollution prevention from municipal activities.</li> </ul>	Environmental Services Dept.
	<p><b>D. Stormwater fees</b></p> <ul style="list-style-type: none"> <li>• Monitor efforts in other communities to implement stormwater fees;</li> <li>• Take steps to ensure that Brewer avoids federal or state mandates to impose stormwater fees (e.g. avoid receiving a designation of "urban impaired stream" on any City stream).</li> </ul>	Environmental Services Dept.
	<p><b>E. Public education.</b> Prepare materials to educate the public about Brewer's stormwater system and the importance of the public's role in managing stormwater and keeping inappropriate materials out of the stormwater system.</p>	Environmental Services Dept.
	<p><b>G. Soil erosion/siltation.</b> Evaluate soil erosion problems that cause polluted stormwater to flow to the Penobscot River, Felts Brook and Sedge Stream during rain events, and develop plans for minimizing or eliminating the problems.</p>	Environmental Services Dept.