

SUBJECT: Asset Management

County of Brant – Strategic Asset Management Policy Addendum – Water Operations

Policy #:	
Effective date:	July 1, 2025
Amendment date:	July 1, 2025
Replaces:	

1. Procedure Statement and Scope:

This addendum to the Strategic Asset Management Policy (SAMP) identifies the specifics in the application of the policy as it pertains to the Water Operations-related assets. The content of this addendum should be read in conjunction with the SAMP.

2. Principles:

Preparation of the Water Operations portion of the Asset Management Plan (AMP) shall consider but not be limited to the following:

Regulatory Compliance – The Municipality shall consider all applicable legislation in the development and update of its AMP, including but not limited to;

1. *Ontario Regulation 588/17, Asset Management Planning for Municipal Infrastructure*
2. *The Conservation Authorities Act*
3. *The Development Charges Act, 1997 (Ontario Regulation 82/98)*
4. *The Environmental Assessment Act*
5. *The Environmental Protection Act*
6. *The Clean Water Act*
7. *The Safe Drinking Water Act 2002 (Ontario Regulation 170/03)*
8. *The Planning Act and related regulations*
9. *Maintenance Standards For Municipal Highways (Ontario Regulation 239/02)*
10. *Municipal Act 2001, Section 44 (1)*

Level of Service (LOS): The County of Brant's (the County) assets exist to deliver services to the public (more specifically property owners), and internal staff to be able to serve those property owners.

LOS are used to assess the actual services being delivered so that decisions can be made about the assets based on the service that they provide rather than simply on their technical components alone.

These standards help will help the County to understand the current state of infrastructure by identifying deficiencies, failures, and weaknesses. Knowledge of this information helps with the maximization of infrastructure performance while minimizing cost and risk.

LOS are not specifically defined by the *Ontario Regulation 588/17*. The regulation provides some measures but does not include targets. Therefore, the County has developed its own specific defined levels of service measures and targets.

The LOS measures for the County's Water Operations infrastructure will be divided into two (2) applicable categories with subsequent standards to be maintained. These categories are as follows: Customer Levels of Service and Technical (or Asset) Levels of Service.

Customer Levels of Service (CLOS) measure the LOS received by property owners. These measures will be used by the County to assess whether it delivers the desired LOS.

Technical (or Asset) Levels of Service (TLOS) measure the adequacy of the assets to deliver these services. TLOS measures are directly linked to activities and annual budgets regarding acquisition, operation, maintenance, and renewal. Asset owners and managers create, implement and control technical TLOS to influence the service outcomes.

3. Application:

In coordination with the Environmental Services Division, these will be the County's designated LOS measures for Water Operations:

Community Levels of Service		
Service Attribute	Level of Service	Qualitative Description
Reliability	Drinking water advisories and service interruptions.	Annual metric: Zero (0) drinking water advisories during the year. Service interruptions typically occur due to watermain breaks.

Technical Levels of Service		
Service Attribute	Level of Service	Qualitative Description
Scope	Percentage of properties connected to the municipal water system, where municipal water system is available.	100 %
	The percentage of properties where fire flow is available where municipal drinking water is available.	90 %
Reliability	The number of connection days per year where a drinking water advisory notice is in place compared to the total properties connected to the municipal water system.	Annual Metric: 0
	The number of connection days per year due to watermain breaks compared to the total number of properties connected to the municipal drinking water system.	Annual Metric: 0
Performance	Age of watermain based on condition and manufacturers specifications.	AC, CPP, HDPE, PVC – 100 years CIP, Copper, DI – 50 years
	Dead end watermain flushing.	Minimum once per year
	Exercise all water system valves (all areas)	Minimum once per every four (4) years
	Treatment equipment monitored and repaired and replaced as required	Follow Operations and Maintenance manuals for individual pieces/components