



Transportation and Infrastructure
Municipal Infrastructure Division

Water Treatment Project Policy

Revision 0

April 2024

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0	New Policy	April 2024

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1 INTRODUCTION AND PURPOSE

1.1 Introduction

The Municipal Infrastructure Division (MI) provides cost shared funding to local governments (“Owners”) throughout the province, to address their identified infrastructure needs. MI accepts applications for prospective projects, wherein the Owner indicates where an infrastructure deficiency exists, outlines their proposed identified infrastructure needs, and presents a cost estimate for the work.

1.2 Purpose

The purpose of this policy is to clearly state:

- MI’s expectations related to funding for water treatment projects, and
- MI’s procedures for funded water treatment projects.

2 APPLICABILITY

2.1 Policy Applies

This policy will apply when MI receives a funding application from an Owner proposing a water quality improvement project, including water treatment.

2.2 Policy Does Not Apply

This policy will not apply when MI receives a funding application from an Owner proposing the following water treatment projects:

- Installation or replacement of a Chlorine Disinfection system, or
- Installation or replacement of a pH adjustment system

3 MI EXPECTATIONS AND PROCEDURES FOR PROJECTS

3.1 Owner Commits to MI Project Execution Process

An Owner applying for cost shared funding will follow the water treatment project outcomes and expectations outlined in the **Water Treatment Project Policy Guide**.

3.2 Owner Commits to MI Project Outcomes

An Owner applying for cost shared funding for a project type under this policy will undertake a feasibility study, acceptable to MI, to inform the development of a suitable infrastructure solution to address their identified issue.

3.3 Feasibility Study to Inform Future Applications

Funding provided through MI for water treatment projects, where this policy applies, will be used to first fund a feasibility study, where a suitable study does not exist. Feasibility study requirements are outlined in the **Water Treatment Project Policy Guide**; existing feasibility studies must meet the requirements of the Policy Guide before being reviewed for suitability.

The Owner can use the findings of the feasibility study to inform a future infrastructure application to MI, to address the infrastructure needs identified, in the manner proposed in the feasibility study.

Funding for feasibility study does not pre-commit MI to funding future infrastructure projects.

3.4 Accelerated Timeframe for Feasibility Studies

Where a feasibility study is funded, these projects will proceed in an accelerated timeframe as compared to typical MI funding timeframes.

Owners will have a total of 24 months in total to complete the feasibility study, submit the finalized documents to MI for consideration, and submit all final Status Reports for payment.

4 PROJECT EXECUTION

4.1 General

Water treatment is often a very expensive endeavor for many communities throughout the province, and therefore, should be undertaken in a deliberate manner.

4.2 Water Treatment Project Phases

In order to adequately meet the intent of this policy, water treatment projects will be undertaken in a phased approach, as outlined in the **Water Treatment Project Policy Guide**.

4.3 Water Treatment Project Delivery

Projects funded through MI must conform to MI's Procurement Policies and Project Guidelines. An assessment will be made, generally on a project-by-project basis, to establish the most suitable procurement approach for Water Treatment Infrastructure. This includes consideration of Design-Bid-Build and Design-Build delivery approaches, which are outlined in the **Water Treatment Project Policy Guide**.

5 PROJECT OUTCOMES

5.1 Water Quality

A drinking water treatment project must produce drinking water with parameters that meet the Guidelines for Canadian Drinking Water Quality (latest version) and the Newfoundland and Labrador Drinking Water Treatment Standard, including the standards found in the **Water Treatment Project Policy Guide**.

Any variance from these treatment requirements will require approval from MI and WRMD.

5.2 System Operation

Systems must function to meet the water quality objectives, for an operational cost that the Owner can afford, and at a complexity that the Owner can manage. All stakeholders must work together to ensure that the right system is installed so it can meet the needs of the community for the full-service life.

5.3 Impact on Municipal Budgets

Construction and operation of a water treatment system will represent a significant financial commitment by the Owner for many years. Thus, a comprehensive review of the financial impact on the municipal budget is required. The Owner may need to retain the services of a financial specialist to assist with the budgetary analysis.

A full cost, life cycle cost analysis shall be completed.