

# Memorandum to the Council of Corporation of the Municipality of Temagami

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**Subject:** Requesting Control Valve Servicing for Temagami Water Treatment Plants

**Memo No:** 2025-M-062

**Date:** March 13, 2025

**Attachment:** Appendix A - OCWA Temagami SWTP (Filter 1) Valve Service Expenditure Request

Appendix B - OCWA Temagami NWTP (Filter 1) Valve Service Expenditure Request

Appendix C - OCWA Temagami NWTP (Filter 2) Valve Service Expenditure Request

**Prepared By:** Laala Jahanshahloo - CAO/ Treasurer

## **Recommendation**

BE IT RESOLVED THAT Council receives Memo 2025-M-062;

AND FURTHER BE IT RESOLVED THAT Council accepts the Ontario Clean Water Agency (OCWA) proposal, attached as Appendices A, B, and C (which hereby form part of this memo), for control valve servicing for the Temagami Water Treatment Plants;

AND FURTHER BE IT RESOLVED THAT Council authorizes the CAO/Treasurer to execute the agreement with OCWA and allocate the total expenditure to the 2025 Capital Budget.

# Contents

Recommendation..... 1

Contents..... 2

Executive Summary..... 2

Background ..... 3

Legislative Obligations ..... 3

Financial Breakdown..... 3

Impact & Justification ..... 4

Conclusion..... 4

Appendix A..... 5

Appendix B..... 6

Appendix C..... 7

## Executive Summary

This report requests \$29,328.06 in the 2025 Capital Budget to service three Cla-Val control valves at the Temagami South and North Water Treatment Plants (WTPs). The last maintenance occurred in 2019, exceeding the recommended biennial service schedule by six years. Delaying this work presents risks to water supply continuity, regulatory compliance, and public health.

The key highlights of this request include a one-time capital expenditure of \$29,328.06. Delays pose several risks including:

- Operational risks: Potential plant shutdowns and reduced filtration capacity.
- Financial risks: Emergency repairs exceeding \$50,000.
- Legal risks: Non-compliance with the Safe Drinking Water Act and the Ontario Water Resources Act.

Proactively addressing this maintenance ensures infrastructure reliability, regulatory compliance, and cost-effective asset management.

## Background

Control valves are critical to regulating water pressure and ensuring operational efficiency at the Temagami South and North Water Treatment Plants.

- Last service: 2019 (6 years overdue)
- Manufacturer recommendation: Service every two years
- Common failure risks: Wear and tear, debris accumulation, failure of seals, pilots, and solenoids
- Failure consequences: Reduced filtration capacity, increased strain on other components, emergency shutdowns

## Legislative Obligations

Regulatory alignment ensures compliance with:

- *Safe Drinking Water Act* (O. Reg. 170/03) - Mandates continuous infrastructure protection.
- *Ontario Water Resources Act* (s.30) - Prohibits operations that risk water quality.
- *Municipal Act* (s.8) - Requires municipalities to maintain infrastructure.

## Financial Breakdown

Location/Filter	Internal Labour	External Contractor & Parts	Total Cost
Temagami South WTP – Filter 1	\$760.00	\$10,033.94	\$10,793.94
Temagami North WTP – Filter 1	\$760.00	\$8,507.06	\$9,267.06
Temagami North WTP – Filter 2	\$760.00	\$8,507.06	\$9,267.06
<b>Total</b>	<b>\$2,280.00</b>	<b>\$27,048.06</b>	<b>\$29,328.06</b>

## Impact & Justification

- Public Health & Safety: Ensures continued delivery of safe drinking water.
- Financial Protection: Avoids emergency repairs that could exceed \$50,000.
- Operational Reliability: Prevents full shutdown of Temagami South WTP and 50% capacity loss at Temagami North WTP.
- Regulatory Compliance: Adheres to Safe Drinking Water Act and Ontario Water Resources Act.
- Service History Integration: A scheduled maintenance plan will be implemented to prevent future delays, ensuring compliance with best practices.

## Conclusion

Given that control valves are six years overdue for servicing, approving the \$29,328.06 allocation is a proactive measure that will:

- Ensure uninterrupted access to safe drinking water.
- Prevent costly emergency repairs and service disruptions.
- Maintain regulatory compliance and infrastructure integrity.

It is recommended that Council approve this expenditure and authorize the CAO/Treasurer to proceed with the agreement.

# EXPENDITURE REQUEST

OCWA Facility No.: Tem S WTP 6028

Date: March 04 2025

Requested by: Bryce Logan

Description of Proposed Work:

**Filter 1Cla-Valve Service**

**Expenditure – Part A: Labour**

Position/Equip.	Description	Qty	Rate	Total
Milwright			\$95.00	\$
Instrument Tech	Assist Contractor and Operate PLant	8	\$95.00	\$760.00
SR Operator			\$95.00	\$
<b>TOTAL PART A:</b>				<b>\$760.00</b>

**Expenditure – Part B: External Services and/or Materials**

Agency/ Material	Description	Qty	Rate	Total
<input type="checkbox"/> Bridson P&C	Cla-Valve Parts and Tech	1	\$7,189.00	\$7,189.00
<input type="checkbox"/> Chess	Filter Valve Solenoids	1	\$1,775.00	\$1,775.00
<input type="checkbox"/>			\$	\$
<input type="checkbox"/>				
<input type="checkbox"/>				
<b>Sub-total (Includes Non-Refundable HST – 1.76%) Part B:</b>				<b>\$9,121.77</b>
<b>OCWA Mark-up (10%) – on Sub-total Part B:</b>				<b>\$912.18</b>
<b>TOTAL PART B:</b>				<b>\$10,033.94</b>

Check box to validate estimate/quote is attach

**Additional Comments:**

<b>TOTAL PART A:</b>	<b>\$760.00</b>
<b>TOTAL PART B:</b>	<b>\$10,033.94</b>
<b>TOTAL:</b>	<b>\$10,793.94</b>

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Date

# EXPENDITURE REQUEST

OCWA Facility No.: Tem N WTP 6030

Date: March 04 2025

Requested by: Bryce Logan

Description of Proposed Work:

**Filter 1 Cla-Valve Service**

**Expenditure – Part A: Labour**

Position/Equip.	Description	Qty	Rate	Total
Milwright			\$95.00	\$
Instrument Tech	Assist Contractor and Operate PLant	8	\$95.00	\$760.00
SR Operator			\$95.00	\$
<b>TOTAL PART A:</b>				<b>\$760.00</b>

**Expenditure – Part B: External Services and/or Materials**

Agency/ Material	Description	Qty	Rate	Total
<input type="checkbox"/> Bridson PC	Cla-Valve Parts and Tech	1	\$5,494.50	\$5,494.50
<input type="checkbox"/> Chess	Filter Valve Solenoids	1	\$1,775.00	\$1,775.00
<input type="checkbox"/>			\$	\$
<input type="checkbox"/>				
<input type="checkbox"/>				

Sub-total (Includes Non-Refundable HST – 1.76%) Part B: **\$7,397.44**

OCWA Mark-up (15%) – on Sub-total Part B: **\$1,109.62**

**TOTAL PART B: \$8,507.06**

Check box to validate estimate/quote is attach

**Additional Comments:**

  
  
  
  

TOTAL PART A:	<b>\$760.00</b>
TOTAL PART B:	<b>\$8,507.06</b>
<b>TOTAL:</b>	<b>\$9,267.06</b>

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# EXPENDITURE REQUEST

OCWA Facility No.: Tem N WTP 6030

Date: March 04 2025

Requested by: Bryce Logan

Description of Proposed Work:

Filter 2 Cla-Valve Service

Expenditure – Part A: Labour

Position/Equip.	Description	Qty	Rate	Total
Milwright			\$95.00	\$
Instrument Tech	Assist Contractor and Operate PLant	8	\$95.00	\$760.00
SR Operator			\$95.00	\$
<b>TOTAL PART A:</b>				<b>\$760.00</b>

Expenditure – Part B: External Services and/or Materials

Agency/ Material	Description	Qty	Rate	Total
<input type="checkbox"/> Bridson PC	Cla-Valve Parts and Tech	1	\$5,494.50	\$5,494.50
<input type="checkbox"/> Chess	Filter Valve Solenoids	1	\$1,775.00	\$1,775.00
<input type="checkbox"/>			\$	\$
<input type="checkbox"/>				
<input type="checkbox"/>				
<b>Sub-total (Includes Non-Refundable HST – 1.76%) Part B:</b>				<b>\$7,397.44</b>
<b>OCWA Mark-up (15%) – on Sub-total Part B:</b>				<b>\$1,109.62</b>
<b>TOTAL PART B:</b>				<b>\$8,507.06</b>

Check box to validate estimate/quote is attach

**Additional Comments:**

  
  
  
  

TOTAL PART A:	\$760.00
TOTAL PART B:	\$8,507.06
<b>TOTAL:</b>	<b>\$9,267.06</b>

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