

Region of Waterloo
Engineering and Environmental Services
Water and Wastewater Services

To: Planning and Works Committee
Meeting Date: June 6, 2023
Report Title: 2023 Water and Wastewater Monitoring Report

1. Recommendation

That the Regional Municipality of Waterloo receive the 2023 Water and Wastewater Monitoring Report summarized in Report EES-WAS-23-006, dated June 6, 2023 as the account of water supply and wastewater treatment capacity as of December 31, 2022.

2. Purpose / Issue:

The 2023 Water and Wastewater Monitoring Report (2023 WWWMR) outlines the ability of the Regional water supply and wastewater treatment facilities to accommodate demands to 2036. The full report will be made available on the Region's Water and Wastewater Services website.

3. Strategic Plan:

The 2023 Water and Wastewater Monitoring Report supports the Corporate Strategic Focus Area 3: "Environmental and Climate Action" in the 2019-2023 Strategic Plan; specifically, to protect our water resources (drinking water and wastewater treatment).

4. Report Highlights:

- **Adequate Capacity:** Water supply capacity was adequate to meet the actual maximum demands in all communities supplied by a Regional system in 2022. Wastewater treatment capacity was sufficient at all Regional plants to treat the actual average flows in 2022.
- **Capacity Allocation:** Water supply and wastewater capacities in 2036 are based on the implementation of works from the Region's current capital programs. Both water supply capacity and wastewater capacity are anticipated to be adequate to accommodate all current development commitments. The allocation of remaining capacity to new development is determined by Region of Waterloo staff in consultation with the Area Municipalities. The available capacity expressed in this report is the capacity available to service future Planning Act approvals (subdivisions, condominiums, consents, zoning by-law amendments, part lot

control and minor variances) and/or any building permits issued for development outside of residential plans of subdivision that complies with existing zoning (e.g. site plans). In collaboration with the area municipalities and through proactive infrastructure management, the Region is responsibly and sustainably planning for growth in the community.

- **Regional Official Plan Update:** The recent update to the Region's Official Plan identified significant growth to the community over the next 30 years. This requires careful management and monitoring to ensure a sustainable water supply is available to support this growth. The ongoing Water Supply Strategy will outline the Region's approach to plan for a sustainable water supply. The 2018 Wastewater Master Plan identified the needs to accommodate additional capacity to support growing communities and will be updated starting in 2025. Changes based on the approved ROP amendment will be considered in future monitoring reports.

5. Background:

Water and Wastewater Services produces the annual Water and Wastewater Monitoring Report with input from the Region's Planning, Development and Legislative Services. The purpose of this report is to:

1. Document actual water consumption and wastewater flows;
2. Provide a basis for water consumption and wastewater flow forecasts required in preparing the capital budgets and user rates;
3. Document water production and wastewater treatment capacities;
4. Update Regional Council with respect to remaining uncommitted capacities of water supply and wastewater treatment infrastructure; and
5. Provide a basis for Water and Wastewater Services staff to provide comment on the water and wastewater aspects of development applications.

In addition, the 2023 WWWMR report will be one of the inputs used in preparing the 2024 water and wastewater capital budgets, long-term water and wastewater capital forecast, and in formulating responses to development applications. The 2023 WWWMR report is based on the planning information and draft community level population forecasts outlined in the council adopted Region Official Plan Amendment No. 6. Changes based on the approved ROP amendment will be considered in future monitoring reports.

6. Communication and Engagement with Area Municipalities and the Public

Area Municipalities: Draft copies of the report have been circulated to the cities of

Cambridge, Kitchener and Waterloo and also to the townships of North Dumfries, Wellesley, Wilmot and Woolwich as information.

Public: N/A

7. Financial Implications:

Nil

8. Conclusion / Next Steps:

The 2023 Water and Wastewater Monitoring Report will be posted to the Regional website.

9. Attachments:

Table 1 - Remaining Water and Wastewater Capacity as of December 31, 2022

Table 2 - Small Rural Water System Summary as of December 31, 2022

Table 3 - Commitments as of December 31, 2022

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