

- ✗ The Alternative does not satisfy the screening criteria
- ✓ The Alternative satisfies the screening criteria
- ✓+ The Alternative satisfies the screening criteria and provides additional benefits relative to the other alternatives
- N/A The screening criteria does not apply to the Alternative

Screening Criteria	Rationale	Results				Key Findings
		1. Do Nothing	2. Discharge to Lake Ontario	3. Discharge to Lake Simcoe	4. Lake Simcoe Water Reclamation Centre	
1. Can the alternative satisfy the problem/opportunity statement?	Must be addressed as fundamental reason for carrying out the UYSS EA	✗	✓	✗	✓+	<ul style="list-style-type: none"> ▪ Alternatives 2 and 4 satisfy the problem/opportunity statement as they are sustainable solutions, can accommodate approved growth in the UYSS service area to 2031 and comply with environmental statutes including the <i>Oak Ridges Moraine Conservation Act</i> ▪ Under Alternative 4 no new wastewater infrastructure would be required within the Oak Ridges Moraine
2. Does the alternative represent proven technology?	Must be commercially available and have met requirements for intended use for a reasonable length of time	N/A	✓	✗	✓	<ul style="list-style-type: none"> ▪ Alternatives 2 and 4 represent proven technology as the technologies are both commercially available and have met performance requirements for their intended use over an extended period of time
3. Is the alternative constructible?	Must use well established construction methods and practices and meet applicable code requirements	N/A	✓	✓	✓	<ul style="list-style-type: none"> ▪ Alternatives 2, 3, and 4 would use well established construction methods and practices and meet applicable code requirements, making each constructible

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4. Is the alternative consistent with the Provincial Policy Statement (PPS)?	Must be consistent with Section 1.6: “Infrastructure and Public Service Facilities,” specifically Section 1.6.4.1: “Planning for Sewage and Water Services”	✗	✓	✓	✓	<ul style="list-style-type: none"> Alternatives 2, 3, and 4 are consistent with Section 1.6: “Infrastructure and Public Service Facilities,” specifically Section 1.6.4.1: “Planning for Sewage and Water Services” of the PPS
5. Is the alternative consistent with the Growth Plan for the Greater Golden Horseshoe?	Must be consistent with Section 3.2.5 “Water and Wastewater Systems,” specifically Policy 3 (returning water to the Great Lake watershed from which the withdrawal originates) and Policy 4 (constructing or expanding water and wastewater systems).	N/A	✓	✗	✓	<ul style="list-style-type: none"> Alternatives 2 and 4 are consistent with Section 3.2.5 “Water and Wastewater Systems,” specifically Policy 3 (returning water to the Great Lake watershed from which the withdrawal originates) and Policy 4 (constructing or expanding water and wastewater systems) Alternative 3 adheres to most of policies 3 and 4, with the exception of not accommodating the approved growth in the UYSS service area
6. Is the alternative consistent with the Lake Simcoe Protection Plan (LSPP)?	Must be consistent with the LSPP policies, including the Phosphorus Reduction Strategy to reduce phosphorus levels.	✓	✓	✗	✓+	<ul style="list-style-type: none"> Alternatives 1, 2, and 4 are consistent with the LSPP policies, including the Phosphorus Reduction Strategy to reduce phosphorus levels in Lake Simcoe Alternatives 1 and 2 would not convey wastewater to Lake Simcoe Alternative 3 cannot consistently achieve the Phosphorus loading targets Alternative 4 would be within the phosphorus effluent limits of the Phosphorous Reduction Strategy. In addition, Alternative 4 will improve the quality and quantity of water flowing into Lake Simcoe

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7. Is the alternative consistent with York Region's Official Plan?	Must be consistent with the relevant policies relating to "Water and Wastewater Servicing" (Section 7.3).	✗	✓	✗	✓	<ul style="list-style-type: none"> Alternatives 2 and 4 are consistent with all nine relevant policies relating to "Water and Wastewater Servicing" in Section 7.3 of York Region's Official Plan
8. Is the alternative consistent with York Region's 2009 Water and Wastewater Master Plan Update?	Must be consistent with the Water and Wastewater Master Plan Update.	✗	✓	✓	✓	<ul style="list-style-type: none"> Alternatives 2, 3, and 4 are consistent with the Water and Wastewater Master Plan Update Although the Water and Wastewater Master Plan Update recommended a Lake Ontario based solution, this recommendation was subject to the outcome of a more detailed examination of alternatives as part of the UYSS Individual EA
9. Is the alternative consistent with York Region's Sustainability Strategy for Water and Wastewater Servicing?	Must align with all ten underlying principles of York Region's 2008 <i>Water and Wastewater Sustainability Strategy</i> .	✗	✓	✗	✓+	<ul style="list-style-type: none"> Alternatives 2 and 4 are consistent with all 10 of the underlying principles of York Region's 2008 Water and Wastewater Sustainability Strategy Alternatives 1 and 3 are not consistent with all of the underlying principles of York Region's 2008 Water and Wastewater Sustainability Strategy Additionally, Alternative 4 will improve the quality and quantity of water flowing into Lake Simcoe in support of Sustainability Principle No. 2: Healthy Watersheds

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10. Is the alternative consistent with York Region's Water Efficiency and Conservation Programs?	Must support or enhance York Region's water efficiency and conservation programs.	✓	✓	✓	✓+	<ul style="list-style-type: none"> All four alternatives support York Region's water efficiency and conservation programs Alternative 4 enhances these programs by using reclaimed water, therefore reducing the demand for fresh/potable water resources
11. Is the alternative consistent with the Source Water Protection – South Georgian Bay Lake Simcoe Source Protection Region?	Must avoid negatively affecting wellhead protection areas, intake protection zones, and other vulnerable areas (significant recharge areas, highly vulnerable aquifers) identified in the UYSS EA study area.	✓	✓	✓	✓	<ul style="list-style-type: none"> All four alternatives would avoid negatively affecting wellhead protection areas, intake protection zones, and other vulnerable areas (significant recharge areas, highly vulnerable aquifers) identified in the UYSS EA study area
12. Is the alternative consistent with the Great Lakes – St. Lawrence River Basin Sustainable Water Resources Agreement (2005) as incorporated into the Ontario Water Resources Act (OWRA)?	Should be consistent with the intra-basin transfer provisions of the OWRA.	N/A	✓	✓+	✓+	<ul style="list-style-type: none"> Alternatives 2, 3, and 4 are consistent with the intra-basin transfer provisions of the OWRA because they would be developed, designed, constructed, and operated to meet the seven exception criteria Unlike Alternative 2, Alternative 3 and 4 promote a water balance within the Lake Simcoe watershed

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13. Is the alternative financially viable?	Must be within the ability of York Region to provide financing for and cost recovery of the proposed infrastructure.	✓	✓	✓	✓+	<ul style="list-style-type: none"> All four alternatives are financially viable In addition, Alternative 4 provides flexibility to be phased in over time
14. Is the alternative within the ability of York Region to implement?	York Region must be able to implement the preferred alternative to the undertaking either on its own or through an arrangement with another party.	✓	✓	✗	✓	<ul style="list-style-type: none"> All alternatives except Alternative 3 can be implemented by York Region alone or through an arrangement with another party Alternative 3 would not receive provincial approval because the Lake Simcoe phosphorus effluent limits cannot be achieved. Therefore Alternative 3 cannot be implemented by York Region
15. Is the alternative able to meet the purpose of the <i>EA Act</i> ?	The purpose of the <i>EA Act</i> is the betterment of the people of Ontario by providing for the protection, conservation and wise management of the environment in Ontario. Must meet the purpose of the <i>EA Act</i> to facilitate the Minister of the Environment's decision making process.	✗	✓	✗	✓	<ul style="list-style-type: none"> Alternatives 2 and 4 are consistent with the purpose of the <i>EA Act</i>, because the environment would be protected, conserved and wisely managed for the betterment of the people of Ontario