

# Sustainable Solid Waste Management Plan for the City of Brockville Final Report Summary

Over the past year, the City of Brockville has consulted with the public to prepare a Sustainable Solid Waste Management Plan that will guide how the City will manage its garbage, recycling, composting, and other diversion programs over the next twenty years. The purpose of this project was to develop a plan that will align the City with Provincial waste management policy; provide a sustainable framework to manage the City’s waste into the future; and recommend future waste management initiatives that will help to increase the amount of waste diverted from disposal.

The Sustainable Solid Waste Management Plan builds upon the City’s commitment to promoting community and environmental sustainability as identified in Brockville’s 2009 Community Strategic Plan. The primary goals of the long term Sustainable Solid Waste Management Plan are to:

- Guide how the City will manage its garbage, recycling, composting, and other diversion programs over the next twenty years;
- Maximize the amount of waste diverted from disposal, while meeting and exceeding the provincial residential waste diversion target of 60%;
- Incorporate the WDO blue box program best practices into its standard operating procedures; and
- Implement approaches to waste management that are environmentally, socially and economically sustainable.

The Plan outlines a number of future waste management initiatives identified below. Implementation of the following initiatives will increase the City’s operating cost by approximately \$243,000 and help the City reach an estimated waste diversion target of 70%.

Recommended Diversion Options	Implementation
Promotion and education (including waste minimization)	<ul style="list-style-type: none"> <li>• Develop a detailed solid waste communications budget.</li> <li>• Build partnerships, as necessary.</li> <li>• Prepare a communications strategy, including the identification of:               <ul style="list-style-type: none"> <li>○ Goals and objectives of the communications strategy, including specific diversion goals;</li> <li>○ Target audience;</li> <li>○ Target messages; and</li> <li>○ Mechanisms for delivering the messages (e.g., brochures, volunteers, etc).</li> </ul> </li> <li>• Develop communication materials.</li> <li>• Implement communications strategy.</li> </ul>

Household Source Separated Organics (e.g., kitchen and food waste)	<p>Develop a detailed implementation plan, including:</p> <ul style="list-style-type: none"> <li>○ System design (type of collection/processing);</li> <li>○ Costs;</li> <li>○ Communications;</li> <li>○ Pilot testing; and</li> <li>○ Contracting (if required).</li> </ul>
Enhance Yard Waste	<ul style="list-style-type: none"> <li>● Negotiate new terms with contractor.</li> <li>● Deliver updated communications to public.</li> </ul>
ICI Waste Diversion	<ul style="list-style-type: none"> <li>● Prepare program workplan, including activities to be completed and resources.</li> <li>● Prepare and implement communications plan.</li> </ul>
Optimize Blue Box Collection	<ul style="list-style-type: none"> <li>● Complete research/studies.</li> <li>● Conduct pilot testing, if required.</li> <li>● Purchase necessary equipment.</li> <li>● Negotiate any change in service level with collection/processing contractor.</li> </ul>
Extended Collection Services	<ul style="list-style-type: none"> <li>● Develop protocol and define parameters required for municipal collection.</li> </ul>
Mandatory Recycling By-law	<ul style="list-style-type: none"> <li>● Confirm opportunities for enforcement.</li> <li>● Define conditions when enforcement is required.</li> <li>● Assign enforcement resources.</li> </ul>
Export Waste for Disposal	<ul style="list-style-type: none"> <li>● Continue sending its waste to a proximate disposal site.</li> <li>● Every three to five years, conduct a cost-benefit analysis of contracted disposal against developing a disposal site under the current waste disposal Certificate of Approval.</li> <li>● Continue to examine Energy from Waste opportunities as they occur.</li> </ul>

Based on the projected population growth, the estimated incremental operating cost to implement the proposed new initiatives is \$243,000 and the incremental diversion rate is approximately 29%.