



**City of Kingston
Report to Council
Report Number 16-144**

To: Mayor and Members of Council
From: Jim Keech, President & CEO, Utilities Kingston
Resource Staff: Heather Roberts, Manager, Solid Waste Operations
Date of Meeting: May 3, 2016
Subject: Replacement of Magnetic Separator at the Material Recovery Facility

Executive Summary:

The magnetic drum and other portions of the magnetic separation unit utilized to mechanically separate ferrous (steel) recyclables from the blue box processing line at the City's Material Recovery Facility (MRF) requires replacement. Failure to replace the magnetic drum and the other components could result in processing delays and ferrous recyclables may require manual sorting.

On March 22, 2016 Council approved a capital budget amendment recommended in Report 16-106 Capital Project Status Report – Fourth Quarter 2015 in the amount of \$70,000 to be taken from the Solid Waste and Recycle Reserve Fund to replace the magnetic separator. Sufficient funds exist within the Solid Waste and Recycle Reserve Fund.

The current magnetic drum, manufactured by Walker Magnetics is the original drum that was installed in the mid-1990s. During recent issues with the magnetic drum and other components, Walker Magnetics has been instrumental to diagnosing the issues and providing advice on solutions to maintain the piece of equipment while staff could seek a capital budget amendment.

Estimates on the cost to replace the magnetic separator were requested from other reliable recycling equipment suppliers, but it is the understanding of Staff that these other companies may source the magnetic drum from Walker Magnetics. The other suppliers' informal cost estimates were higher than the estimate provided by Walker Magnetics.

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Recommendation:

That the Solid Waste Division be authorized to single source, pursuant to Purchasing By-Law 2000-134, goods and services with Walker Magnetics for the replacement of the magnetic separator which mechanically separates ferrous recyclables from the blue box processing line at the Material Recovery Facility at the Kingston Area Recycling Centre; and

That Council authorize the Mayor and Clerk to execute the Agreement in a form satisfactory to the Director of Legal Services.

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Authorizing Signatures:

ORIGINAL SIGNED BY PRESIDENT & CEO, UTILITIES KINGSTON

**Jim Keech, President and CEO,
Utilities Kingston**

ORIGINAL SIGNED BY CHIEF ADMINISTRATIVE OFFICER

Gerard Hunt, Chief Administrative Officer

Consultation with the following Members of the Corporate Management Team:

Cynthia Beach, Corporate & Strategic Initiatives	Not required
Lanie Hurdle, Community Services	Not required
Denis Leger, Transportation, Facilities & Emergency Services	Not required
Desiree Kennedy, Chief Financial Officer & City Treasurer	Not required

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Options/Discussion:

The magnetic drum and other portions of the magnetic separation unit utilized to mechanically separate ferrous (steel) recyclables from the blue box processing line at the City's Material Recovery Facility (MRF) requires replacement. Failure to replace the magnetic drum and the other components could result in processing delays and ferrous recyclables may require manual sorting.

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Walker Magnetics has provided a quote of \$42,255.00 USD (approximately \$58,000 CAN) plus taxes to supply the self-cleaning and energy efficient magnetic drum, as well as the other required system separation components including the electrical cabinet and dust tight cabinet.

Walker Magnetics supplies a premium product. This has been demonstrated as the current magnet has lasted approximately 20 years. Walker Magnetics engineers and manufactures their products, including all system components in North America. This ensures that repairs or replacements of components like bearings, coils, etc. are compatible with items in the marketplace and can be easily sourced. It should also be noted that the field service technicians for their products in Canada are located in Brantford.

The other option, besides single sourcing the product is to release a public tender or request for proposals for the magnetic drum and other separation components. However, the quality of the product would be difficult to determine, and there are many inferior products in the marketplace.

The magnetic separator is a vital piece of equipment at the MRF and as such, it is recommended that the equipment be sourced from Walker Magnetics to ensure quality and ease of sourcing service and/or parts if required.

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Existing Policy/By Law:

Purchasing By-law 2000-134, section 4.5, specifies that no offer to procure by single source valued over \$50,000 shall be issued without resolution of Council.

Notice Provisions:

Not applicable.

Accessibility Considerations:

Not applicable.

Financial Considerations:

On March 22, 2016 Council approved a capital budget amendment recommended in Report 16-106 Capital Project Status Report – Fourth Quarter 2015 in the amount of \$70,000 to be taken from the Solid Waste and Recycle Reserve Fund

Contacts:

Heather Roberts, Manager, Solid Waste Division, 613-546-4291 ext. 2701

Other City of Kingston Staff Consulted:

Jason Hollett, Supervisor, Solid Waste Disposal

Exhibits Attached:

Not applicable.