
TO: Mayor J. Lehman and Members of General Committee

FROM: J. F. Thompson, P.Eng., CMM, PMP, Director of Environmental Services

NOTED: Richard Forward, MBA, M.Sc., P.Eng.
General Manager of Infrastructure & Growth Management

C. Ladd, Chief Administrative Officer

RE: Asphalt Shingle Recycling Program Update

DATE: January 23rd, 2017

The purpose of this Memo is to provide members of General Committee with an update on the Asphalt Shingle Recycling Program at the Barrie Landfill Site.

Improving diversion at the Barrie Landfill Site, including expansion of the current depot to include construction and demolition waste, was identified as a First Priority Initiative (2012-2016) in the Sustainable Waste Management Strategy, adopted in Principle by Council on November 19th, 2012.

Prior to the implementation of the Asphalt Shingle Recycling Program the City of Barrie Landfill Site was receiving an average of 330 tonnes of asphalt shingles per year, occupying approximately 500m³ of landfill space annually. The approximate annual disposal costs for shingles at the landfill (including cost of landfill space) is \$55,500.

Funds for the implementation of an Asphalt Shingle Recycling Program were approved in the 2016 Budget and Business Plan and amounts to an annual program budget of \$40,000.

From the start of the Program in September 2016 to the end of 2016, the Asphalt Shingle Recycling Program diverted approximately 130 tonnes of shingles from the City of Barrie Landfill at a total cost of \$11,500. The weight of the shingles diverted from Landfill is equivalent to one garbage collection event from 10,400 households or 20,800 garbage bags. By diverting this material from the Landfill for the four month period, approximately 206m³ in landfill space was saved and \$22,000 in disposal costs was avoided.

Based on the 4 months of the Asphalt Shingle Recycling Program in 2016, we estimate that 350 tonnes of asphalt shingles will be diverted from the Landfill in 2017, at an estimated cost of \$31,500. Should members of General Committee have any questions please do not hesitate to contact Sandra Brunet, Manager of Environmental Operations at extension 6140.