
CITY OF KELOWNA

MEMORANDUM

Date: October 24, 2006

File No.: 5280-01

To: City Manager

From: Environment & Solid Waste Manager

Subject: **Solid Waste Management Regulation Bylaw No. 9570 – amendment to Schedule “E” Sanitary Landfill/Recycling Fees (Decreased Tipping Fees for Landfill Recyclables and Increased Tipping Fees for Mixed Waste)**

RECOMMENDATION:

THAT Bylaw No. 9687, a bylaw to amend Schedule “E” to Solid Waste Management Regulation Bylaw No. 9570, as outlined in the report of the Environment & Solid Waste Manager dated October 24, 2006, be forwarded for readings consideration.

Background:

DLC (demolition, land clearing, construction) waste disposal has increased significantly in the last several years, comprising of more than 25% of all materials disposed in the Glenmore Landfill. In an effort to reduce these volumes, the Waste Reduction Office pilot tested variable tipping fees for construction waste (at Glenmore Landfill): wood, metals, land clearing debris, concrete and asphalt (less than 1 tonne) and cardboard. The results of the test were successful with a 75-85% diversion of these materials. Operational challenges included:

- 1) Difficulty in identifying and measuring small volumes of recyclables;
- 2) The creation of an uneven playing field for construction vs commercial and residential sectors, and
- 3) The creation of opportunities to circumvent the pricing schedule by some individuals.

These outcomes encouraged a recommendation that adopts variable tipping fees for waste and recyclables that applies to all sectors. Local waste haulers were contacted and it was found that they agreed that a variable tipping fee structure would help them convince clients to source-separate recyclable materials from waste.

A variable fee structure that is equitable and applies to all sectors was determined as the best option. The tipping fees would be \$55/tonne for all mixed waste and \$10/tonne for clean, source-separated wood, metal, land clearing debris, concrete & asphalt and cardboard. Yard waste (250 kgs or less) would continue to be free.

The benefits of this new tip fee structure include:

- Streamlined and simple pricing structure; no arguments about which sector the waste originates from and easy for landfill staff to manage

- Level playing field for all customers; commercial, residential and construction
- Difference in tipping fee structure sufficient to motivate customers to separate recyclables from mixed waste. (Solid Waste Management Plan Stage 2 Report states that a variable tipping fee structure would reduce DLC disposal by half and overall disposal in landfills by 13 percent, (Earth Tech, 2006).
 - 13% reduction in disposal equals 17,500 tonnes or 58,000 cu. meters of landfill space saved per annum (**value \$2.3 million/yr.**)
- The \$5/tonne increase in tipping fees for mixed waste (Glenmore and Westside Landfills combined: \$680,000) would compensate for increased cost of processing materials and revenue shortfalls i.e.:
 - \$300-350,000 for wood grinding
 - \$250-300,000 for aggregate crushing
 - Loss of tip fees revenue
- The fees would more closely match neighbouring Regional Districts' tipping fees for mixed waste (RDNO: \$58/tonne raising to \$60/tonne, RDKB: \$65/tonne and RDOS: \$55/tonne)

The increased tipping fee for mixed waste will provide a greater motivation for the multi-family and business sectors to also provide recycling programs.

Recommended Amendments to Schedule "E" of Bylaw No. 9570:

- Rate change for asphalt and concrete to \$10.00 per MT from \$25.00
- Rate change of mixed waste for demolition, construction and land clearing waste material disposal from \$160.00 per MT to \$55.00 per MT
- Rate change for clean wood waste from \$25.00 per MT to \$10.00 per MT
- Delete "(one metric tonne or less)" for recyclable gypsum
- Rate change for yard and garden waste over 20 cm, up to 2 m in length from \$50.00 to \$55.00 per MT.
- Rate change for carcasses weighing under 100 kgs from \$50.00 to \$55.00 per MT
- Rate change for all other residential garbage not included above from \$50.00 to \$55.00 per MT.
- Rate change from \$50.00 to \$10.00 when scales are not operating for source separated recyclables.
- Rate change from \$50.00 to \$55 per MT for loads of garbage weighing greater than 250 kgs hauled directly to the Landfill site.

The Central Okanagan Regional District has adopted the same bylaw changes in the Regional Solid Waste Bylaw.



Environment and Solid Waste Manager

Approved for inclusion:
John Vos
Director Works & Utilities