



June 13, 2019



2019 Solid Waste Management Rebate Program

- In 2007, the Solid Waste Management Services was redefined from being a tax supported net expenditure program to being a rate based program. This meant that all expenditures were to be supported through user fees. In order to achieve long term waste management strategies including incentivizing a move to waste diversion from landfill, a fee rebate program was initiated. Over time, as the waste diversion program has matured, it was determined that users should be gradually moved to paying total user fees for the services provided.
- **History of Rebate Reductions:** A reduction in the Solid Waste Rebate in the amount of \$17.9 million was approved as part of the 2015 Tax Supported Budget. This had no direct impact on the Solid Waste Management Services Rates and Operating Budget. This change resulted in a "net increase" for Single Family Residential customers. In 2015/16, a key priority for Solid Waste Management Services was to ensure long term sustainability of the utility and move towards a full user pay system and increase waste diversion. This change was an initial step towards meeting both these objectives.
 - Approval was given to taking continued steps toward increased diversion and rate sustainability through further reducing the Single Family Residential Solid Waste Rebate in 2016 by \$9.7 million.
 - On February 15, 2017, the City's Tax Supported Budget for 2017 was approved and included a further reduction to the Single Family Residential Solid Waste Rebate \$9.5 million.
 - For the 2018 Tax Supported Budget, approved on February 12, 2018, there was no reduction to the rebate on SWMS Single Family Residential Rates.
 - For 2019, various options were considered for a continued rebate reduction strategy as part of a multi-year rebate reduction plan. The decision point was to determine if this strategy, that began in 2015, i.e. a Solid Waste Rebate reduction for Single Family customers only, would be recommended for Council's consideration as part of the City's 2019 Tax Supported Budget.
- The rebate reduction plan should allow for the gradual transition of Solid Waste Management Services to a full user fee based program (similar to Toronto Water), while still encouraging appropriate environmental behaviours.
- Any change to the Solid Waste Rebate for Single Family customers would be considered at the same time Council considers the 2019 Rate & Tax Supported Budgets in early 2019. Any reduction to the rebate will be reflected in the increased net cost to customers for waste collection as summarized on their utility billing.
- It is acknowledged that a change to the Solid Waste Rebate would need to be supported by comprehensive communications to Single Family Residential Customers on how to reduce the size of their Garbage Bin through the City's 311 Service online or via phone, and will also include educational information on how to improve waste diversion.
- **Recommended Rebate Reduction:** It is recommended, as part of the 2019 Non-Program Budget, that final rebate reductions for Single Family and Multi-Residential customers be phased in over the period 2019 to 2022 and includes the following primary assumptions:
 - Implement a Rebate Program for Low Income Seniors and Disabled customers.
 - Gradual reduction of the small bin rebate - elimination of rebate for large bins and bag in 2019 with medium bin rebate reduction over 2 years – small bin rebate reduction over 3 years.

PragmaTech Waste Solutions

We are a waste management consulting firm with over 30 years of experience in the waste management industry.

Our leading-edge technology and complete understanding of provincial, municipal and city waste management legislation provide us with the knowledge and expertise to assist our clients on various platforms.

We offer a full suite of waste management services including but not limited to: construction and demolition project planning and audits, multi-residential and commercial waste management program planning, on-site waste and recycling audits.

We pride ourselves on honesty, transparency and offering solutions that provide significant savings to all of our clients.

Waste & Recycling Services

PragmaTech provides a one-stop-shop for all of your waste and recycling needs.

- On-site Waste & Recycling analysis of current practice
- Complete audit of existing bins, compactors and enclosures; bin rightsizing
- Levee Fee analysis, including comprehensive reporting
- Solution package, including private vs City comparison and detailed R.O.I report
- Continuous site management
- Haulage of all streams
- Haulage of all bin sizes
- E-waste collection
- Compactor bin optimization
- Commodity purchasing

Levee Fee Analysis

- Levee Fee analysis identifying allowable yardage and overages
- Reviewing current site practices
- Auditing existing equipment and its capabilities
- Creating effective methods adhering to Cities allowances, and determining whether private or City services offer the best solution for each site.

Levee Fee Analysis - Example

Solid Waste Management Services

Centralized (01/JAN/2019 to 31/JAN/2019)

Total Lift Volume Billed per Cubic Yard Compacted	76.95 yd3
Base Volume Compacted	18.32 yd3
Total Excess Volume	58.63 yd3
Total Units	225
Number of Days	31

Rates (01/JAN/2019 to 31/JAN/2019)

Base Volume	225 x 31 x \$0.584219178 =	\$4,074.93
Excess Volume	58.63 x \$29.600000000 =	\$1,735.45
Rebate	225 x 31 x \$-0.506849315 =	-\$3,535.27
Oversized Item Fee	225 x 31 x \$0.021917808 =	\$152.88

Total Solid Waste Management Services - Current Billing **\$2,427.99**

Levee Fee Data Overview – 12 month period

Allowed – 215.66 yards

Actual Produced – 931.30 yards

Overage – 715.64

Additional Expense - \$20,975.41 or \$57.46per day

Levee Fee Analysis – Example 2

Solid Waste Management Services

Centralized (01/JAN/2019 to 31/JAN/2019)

Total Lift Volume Billed per Cubic Yard Compacted	77.44 yd3
Base Volume Compacted	14.08 yd3
Total Excess Volume	63.36 yd3
Total Units	173
Number of Days	31

Rates (01/JAN/2019 to 31/JAN/2019)

Base Volume	173 x 31 x \$0.584219178 =	\$3,133.17
Excess Volume	63.36 x \$29.600000000 =	\$1,875.46
Rebate	173 x 31 x \$-0.506849315 =	-\$2,718.23
Oversized Item Fee	173 x 31 x \$0.021917808 =	\$117.55

Total Solid Waste Management Services - Current Billing **\$2,407.95**

Levee Fee Data Overview – 12 month period

Allowed – 165.82 yards

Actual Produced – 985.92 yards

Overage – 820.10

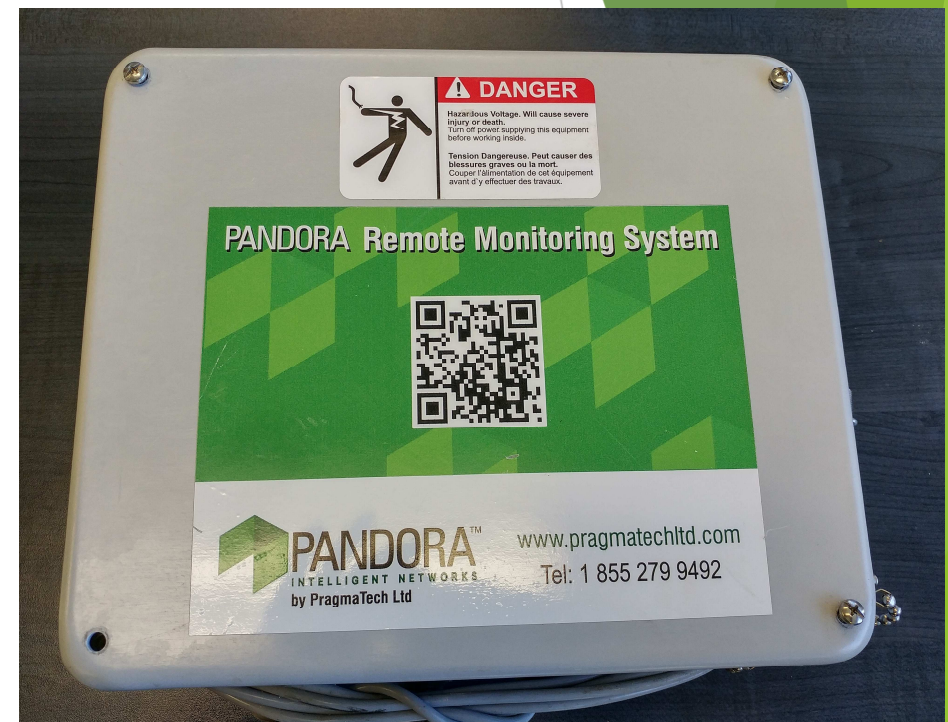
Additional Expense - \$24,037.13 or
\$65.85per day

Pandora Remote Monitoring & Management

PragmaTech Waste Solutions utilizes the Pandora Remote Monitoring System (RMS) – a wireless communications platform, to create efficient and automated waste management solutions for our Clients.

We generate savings for our Clients by ensuring all compactor bins are only serviced when full. The Pandora (RMS) automatically schedules pick-ups only when compactors reaches a specific fullness level. Eliminating the cost of unnecessary collections while at the same time reducing our Clients' carbon footprint. All of this is managed through an innovative web-based platform that can be accessed 24/7

The Pandora RMS reduces time spent by our Clients on waste management. No more calling for compactor pickup or other services; all data is available through mobile device/computers.



Pandora Visual Fullness Monitoring Panel

The Pandora Visual Fullness panel provides the site with 24/7 visual motioning.

Located directly on the panel is a LED display screen. The LED screen visibility indicates the bin fullness percentage, the current compactor's PSI pressure and allowable maximum compactor pressure.

This accessible display will provide all on-site staffing members the assurance and direction of the current status of the compacted bin. Therefore, resulting in lower bin exchange and cost savings.

Working with ownership, we create rules and parameters for site staff to follow.



Waste Audits

Our team of Certified Waste Auditors are experienced in conducting on-site impartial, third party waste and recycling audits for a variety of Clients within the Residential and Commercial sectors.

Using the Standard Waste Audit Methodology (SWAM), the PragmaTech audit team conducts a thorough sort to determine all stream of waste generated to identify opportunities for improved waste reduction and diversion.

Waste Consulting & Solutions

As a leader in waste management solutions, PragmaTech waste industry experts design comprehensive, easy-to-use, sustainable waste & recycling solutions to reduce overall costs and carbon footprint while complying with local, provincial and federal waste rules & regulations.

THANK YOU