



Solid Waste Services  
**Annual Report 2010**





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# Solid Waste Services

## Collection Services

Solid Waste Services provides the following waste collection services to residents within the City of Greater Sudbury.

### **Low-density residential buildings (6 units or less) receive:**

- Weekly garbage collection for up to 3 approved garbage containers
- Weekly leaf and yard trimmings collection for an unlimited amount of approved containers
- Weekly furniture and appliance collection
- Weekly blue box recycling collection for an unlimited amount of approved containers
- Weekly Green Cart organics collection for an unlimited amount of approved containers
- Collection of household hazardous waste by appointment

### **High-density residential buildings (7 units or more) on a curbside collection system receive:**

- Weekly garbage, leaf and yard trimmings, recycling and Green Cart organics collection by agreement with property owner
- Collection of household hazardous waste by appointment

### **High-density residential buildings (7 units or more) on a centralized collection system receive:**

- Weekly garbage and recycling collection by agreement with property owner
- Collection of household hazardous waste by appointment

### **Industrial, commercial and institutional buildings receive:**

- Weekly yellow box recycling collection by agreement

### **Multi-type properties receive:**

- Weekly waste collection services to the residential dwellings within the property (based on terms and conditions listed in agreement with the property owner)







## Diversion Services

Solid Waste Services processes the following waste from all sectors within the City of Greater Sudbury:

- Blue box recyclables
- Leaf and yard trimmings, Christmas trees
- Scrap metal and white goods
- Electronic waste
- Clean and non-treated wood waste
- Other wood waste
- Sod
- Concrete, brick and block
- Tires
- Reusable cloth items
- Organics
- Derelict motor vehicles

## Disposal Services

The City of Greater Sudbury owns and operates (via private contractors) three active landfill sites, two closed landfill sites and one small vehicle transfer station. The operating landfill sites are located in Sudbury, Hanmer and Azilda. The small vehicle transfer station is located in Walden.

## Clean-up Programs and Litter Abatement

Solid Waste Services manages the City of Greater Sudbury's clean-up initiatives, including Adopt-a-Road, Adopt-a-Spot, Adopt-a-Bin, Annual Clean-up Blitz, 40 Hours of Community Service for Clean-ups and the Derelict Motor Vehicle Removal and Recycling Program.

One part-time City crew collects roadside litter and maintains litter containers across the City. This service is supplemented each spring with an Automated Litter Collection Unit. Two student Trash Trooper crews are also hired during the summer to collect roadside litter.

## 3R Equipment and Educational Services

Solid Waste Services provides backyard composters, green carts, kitchen collectors, certified compostable bags, blue boxes and Big Blue large-capacity recycling containers.

Our division is also responsible for the promotion and education of all 3R (Reduce, Reuse, Recycle) activities and anti-litter awareness campaigns.





# Recent Developments

## Enhanced Service Level

Council approved a service-level enhancement of the curbside collection system for multi-unit residential buildings. These buildings are now able to participate in the City's leaf and yard trimmings collection services and the Green Cart organics collection program.



## Waste Audits

Waste Audits will now be conducted every spring and fall. These audits will assist staff in determining participation and diversion rates, including identifying problematic issues. The information will then be used in developing specific educational materials. This work is considered to be a Recycling Best Practice which will help sustain blue box funding.



## Construction and Demolition Recycling

A pilot project to sort mixed construction and demolition recycling materials into various categories has been completed. During the pilot project, four labourers and an excavator worked to set aside and sort mixed construction and demolition materials that were delivered to the Sudbury landfill site. Results of this pilot project will assist staff in preparing user fee options for the future Construction and Demolition Recycling Site.



# Pilot Projects Underway

Since the roll-out of the Green Cart Organics Program in 2009, various types of collection containers have been tested. The most recent test involves different sizes of plastic, wheeled carts at residential and non-residential facilities. Each facility receives the carts and is given educational information and training. The facilities are monitored, issues are noted and corrective actions are being documented for planning purposes.

**Organic Cart Collection  
at Multi-Unit Residential Buildings**



**Organic Cart Collection  
at a Residential Retirement Complex**



**Organic Cart Collection at a School**



# Statistics

## Tonnages Managed at City Facilities

|                             | 2000   | 2001   | 2002   | 2003   | 2004   | 2005   | 2006   | 2007    | 2008    | 2009    | 2010   |
|-----------------------------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|--------|
| Waste Landfilled            | 98,317 | 95,010 | 93,142 | 79,280 | 80,438 | 93,260 | 98,850 | 113,389 | 113,329 | 107,056 | 96,435 |
| Blue Box Materials          | 9,895  | 11,275 | 11,890 | 13,539 | 13,931 | 15,128 | 15,593 | 15,367  | 18,168  | 21,149  | 20,087 |
| Clean Wood                  | n/a    | n/a    | n/a    | n/a    | 25     | 478    | 1,558  | 1,337   | 890     | 811     | 808    |
| Cloth                       | n/a    | n/a    | n/a    | 1      | 1      | 1      | 89     | 4       | 2       | 2       | 1      |
| Concrete, Brick and Block   | n/a    | 625    | n/a    | n/a    | 170    | 543    | 842    | 1,143   | 1,130   | 1,075   | 1,197  |
| Contaminated Wood           | n/a    | n/a    | n/a    | n/a    | 425    | 566    | 474    | 273     | 4,471   | 4,292   | 4,752  |
| Electronic Waste            | n/a    | n/a    | n/a    | n/a    | 5      | 26     | 25     | 68      | 126     | 193     | 347    |
| Household Hazardous Waste   | 262    | 301    | 266    | 260    | 270    | 259    | 290    | 294     | 318     | 289     | 317    |
| Leaf and Yard Trimmings     | 2,212  | 1,610  | 3,000  | 2,886  | 4,348  | 5,202  | 6,868  | 7,320   | 8,341   | 8,268   | 7,816  |
| Organics                    | n/a    | n/a    | n/a    | n/a    | n/a    | n/a    | 18     | 119     | 187     | 1,610   | 3,260  |
| Reuse Store                 | n/a    | n/a    | 18     | 15     | 114    | 236    | 195    | 281     | 431     | 244     | 214    |
| Scrap Metal and White Goods | 1,090  | 2,082  | 1,797  | 1,442  | 1,655  | 1,913  | 2,648  | 1,495   | 1,692   | 1,614   | 1,719  |
| Sod                         | n/a    | n/a    | n/a    | n/a    | 141    | 150    | 463    | 190     | 205     | 253     | 338    |
| Tires                       | 744    | 691    | 882    | 846    | 329    | 773    | 789    | 1,132   | 3,438   | 1,551   | 1,435  |



## Residential Tipping Fee Holiday

| SPRING           | 2005   | 2006  | 2007   | 2008  | 2009  | 2010  |
|------------------|--------|-------|--------|-------|-------|-------|
| Number of Trips  | 10,030 | 9,536 | 10,063 | 9,505 | 8,262 | 4,824 |
| Tonnes Delivered | 2,249  | 2,220 | 2,195  | 2,174 | 1,893 | 1,141 |
| Tires Delivered  | 8,291  | 8,255 | 8,415  | 9,927 | 8,863 | 3,093 |

| FALL             | 2005 | 2006 | 2007  | 2008  | 2009  | 2010  |
|------------------|------|------|-------|-------|-------|-------|
| Number of Trips  | n/a  | n/a  | 8,025 | 6,456 | 5,811 | 5,170 |
| Tonnes Delivered | n/a  | n/a  | 1,282 | 1,340 | 1,352 | 1,079 |
| Tires Delivered  | n/a  | n/a  | 8,063 | 6,110 | 5,043 | 2,289 |

## Residential Trips to Landfill and Waste Diversion Sites

2010

|     | Sudbury | Hanmer | Azilda | Walden |
|-----|---------|--------|--------|--------|
| JAN | 3893    | 2055   | 1821   | 785    |
| FEB | 3188    | 1487   | 1405   | 537    |
| MAR | 4489    | 2356   | 2075   | 939    |
| APR | 7989    | 4022   | 3549   | 1670   |
| MAY | 12106   | 6482   | 5773   | 2795   |
| JUN | 8901    | 5050   | 4203   | 2304   |
| JUL | 7671    | 4989   | 4067   | 2280   |
| AUG | 6656    | 5162   | 3770   | 2113   |
| SEP | 6290    | 4291   | 3680   | 1901   |
| OCT | 7297    | 5113   | 4232   | 2248   |
| NOV | 6310    | 3693   | 3163   | 1622   |
| DEC | 4333    | 2652   | 2096   | 1017   |

2009

|     | Sudbury | Hanmer | Azilda | Walden |
|-----|---------|--------|--------|--------|
| JAN | 3778    | 2076   | 1759   | 796    |
| FEB | 3302    | 1732   | 1404   | 701    |
| MAR | 6478    | 3615   | 2947   | 1511   |
| APR | 7671    | 4172   | 3335   | 1745   |
| MAY | 9988    | 5484   | 4526   | 2446   |
| JUN | 8571    | 4661   | 3742   | 2057   |
| JUL | 8720    | 4568   | 3632   | 2099   |
| AUG | 8147    | 4065   | 3422   | 1905   |
| SEP | 7830    | 4062   | 3334   | 1628   |
| OCT | 8827    | 4690   | 4077   | 1803   |
| NOV | 7198    | 3639   | 2987   | 1285   |
| DEC | 5280    | 2856   | 2452   | 973    |

# Under Review

## Enhancing Waste Diversion at Municipal Facilities

Understanding the operation and type of waste generated at each municipal facility type is key in ensuring maximum waste diversion. Several waste audits were undertaken and each facility manager was asked to complete a waste questionnaire. The information gathered will be reviewed and used to enhance facility-specific waste diversion programs.

## Keep Leaf and Yard Trimmings Out of the Garbage Stream

Residents on a curbside collection system may now place unlimited leaf and yard trimmings in approved containers or bundles out for collection every week of the year. There is absolutely no reason why placement of this waste in the garbage stream should continue.

## Keep Blue Box Recyclables Generated from the Industrial, Commercial and Institutional Sectors out of the Garbage Stream

Although many local businesses have improved recycling efforts, recent waste audits for this sector have identified major waste diversion opportunities. Recommendations to keep these recyclables out of the waste stream, and save businesses money by doing so, will be presented to Council in 2011.

## Reducing the Garbage Bag Limit from 3 to 2

Consideration is being given to reducing the current residential garbage bag limit. This will be presented to Council once a review of waste container types and sizes are completed.









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