CT Department of Environmental Protection

Municipal MSW & Recycling Full Cost Accounting Survey – Summer/Fall 2008

Response Summary

Based on 2008 data – Verification as of 08/24/2009 - 161 CT Cities and Towns
Implementation of Solid Waste Management Plan

- Enhance/improve existing municipal recycling programs
- Target electronics, mixed paper, commercial C&D, and commercial food waste
- Promote unit based pricing (UBP)
- Conduct a waste characterization study
- Improve reporting
- Improve permitting and enforcement activities
- Improve business, institution, and government recycling
Projections of In-State MSW Disposal Capacity Shortfall Under Various Waste Diversion Assumptions for the Period FY2005 through FY2024.

(December 2006 – CT State Solid Waste Management Plan)
144 municipalities (out of the 153 surveys received) responded to this question. Multiple responses allowed.

** 15 towns included in the 120 towns had contracts with the Bridgeport RRF through CRRA which have since expired. Preliminary information indicates that 12 have or are planning to sign a 5.5 year extension of that contract through CRRA; three have or are about to sign a contract with City Carting for disposing of their MSW; (two municipalities which did not complete the survey are planning to sign with City Carting as well).
FY2008 MSW Disposal Tipping Fees Paid by Municipalities

CRRA – MidCT Project; Bridgeport Project and Wallingford Project

Member Municipalities

Tipping fees generally paid by the municipality for:

- MSW delivered to the RRF by Municipal employees, and
- MSW delivered to the RRF by Municipal Contracted Private Haulers

Tipping fees generally paid by the private haulers for:

- MSW delivered to the RRF by Private haulers not contracted by municipality
  - In rare instances private haulers are reimbursed by municipality for the tipping fee

SCRRRA (Preston RRF) and BRRFOC (Bristol RRF) Member Municipalities

- Tipping fees are billed directly to the municipality for all the waste delivered to the RRF from their municipality
  - In most cases the municipality recoups tipping fees from non-contracted private haulers.
Municipal MSW Disposal Contract* Expiration Dates as of Summer 2008

* Includes contracts between a municipality and: (1) a solid waste company; or (2) a RRF; or (3) a RRF through a regional resource recovery authority, regional operating committee, etc.
Municipal Bulky Waste Disposal Contracts

149 municipalities (out of the 161 surveys received) responded to this question. Multiple responses were allowed.
• Six towns reported having **curbside** unit based pricing programs.

• 32 towns reported having **transfer station** unit based pricing (three of these towns also reported having a curbside PAYT program)

147 municipalities (out of the 161 surveys received) responded to this question.
CT Municipalities with Unit-Based Pricing Programs

Unit Based Pricing in CT

Legend
- Orange: Transfer Station Only
- Green: Curbside Only
- Blue: Curbside and Transfer Station

[Map showing locations with unit-based pricing programs]
MA Municipalities with Unit-Based Pricing Programs

Municipal Solid Waste Pay-As-You-Throw Communities in Massachusetts
October 2008

Legend
- Blue: Curbside Community (48 Municipalities)
- Orange: Drop Off Community (76 Municipalities)

Data Sources:
- Pay As You Throw Communities - EAP Consumer Programs 2008
- Massachusetts Municipalities - MassGIS 2004
Homeowners have option to self-haul MSW for disposal to transfer station or disposal facility

Municipal employees provide curbside pick-up of residential MSW for disposal

Private haulers contracted by the municipality provide curbside pick-up of residential MSW for disposal

Private haulers contracted by homeowner provide curbside pick-up of residential MSW for disposal

150 municipalities (out of the 161 surveys received) responded to this question, *multiple responses were allowed*
Commercial MSW Disposal Collection

- Municipal employees pick-up MSW for disposal from at least some commercial entities
- Private hauler contracted by municipality picks up MSW for disposal from at least some commercial entities
- Private hauler contracted by individual commercial entities, institution, etc. pick-up MSW for disposal
- At least some commercial entities have option to self-haul their MSW for disposal to town transfer station
- Other

Commercial Entities Include: Municipal buildings, schools, condos, churches, and small/large businesses, etc.

149 municipalities (out of the 161 surveys received) responded to this question. Multiple responses were allowed.
Residential Curbside Recycling Collection

- Homeowners have option to self-haul recyclables to transfer station or drop-off facility: 79 municipalities
- Private hauler(s) contracted by homeowner pick-up residential recyclables curbside: 75 municipalities
- Private hauler(s) contracted by municipality pick-up residential recyclables curbside: 59 municipalities
- Municipal employees pick-up residential recyclables curbside: 21 municipalities

153 municipalities (out of the 161 surveys received) responded to this question, *multiple responses were allowed*
Commercial Recycling Collection

At least some commercial entities have option to self-haul to municipal transfer station or municipal drop-off facility

Private hauler contracted by individual commercial entities, institution, etc. picks up recyclables

Private hauler contracted by municipality picks up recyclables from at least some commercial entities

Municipal employees pick-up recyclables from at least some commercial entities

Commercial Entities Include: municipal buildings, schools, condos, churches, small/large businesses, non-profits, and elderly housing units, etc.

143 municipalities (out of the 161 surveys received), responded to this question. Multiple responses were allowed
Average Annual Collection Costs for Residential MSW and Recyclables

- Of the municipalities that responded, 45 reported an annual average $350,980 was spent to provide or contract out for curbside collection of recyclables. This translates to an average of $11.96 per capita – ranging from $1.30 to $40.95 per capita/year.

- For the 41 municipalities that responded they pay for curbside pick-up, an average of $1,011,825 was spent to provide or contract out for curbside collection of MSW for disposal. This translates to an average of $35.40 per capita – ranging from $4.41 to $85.30 per capita/year.

108 municipalities (out of the 161 surveys received) responded to this question.
Type of Residential Curbside Collection

119 municipalities (out of the 161 surveys received) responded to this question.
Of the 51 municipalities which reported that MSW for disposal is picked-up manually curbside, Ten are contemplating switching to automated, or semi-automated pickup.

Of the 100 municipalities which reported that recyclables are collected manually curbside, 28 are contemplating switching to automated, or semi-automated pickup.

125 municipalities (out of the 161 surveys received) responded to this question.
141 municipalities (out of the 161 surveys received) responded to this question.
145 municipalities (out of the 161 surveys received) responded to this question

* CT mandated recyclable
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Transfer Station Facts and Figures

Residential MSW For Disposal
- 93 municipalities accept residential MSW for disposal at their TS
  - 18 municipalities charge only an annual transfer station use fee and do not charge extra for MSW
  - 27 municipalities do not charge any fee for residents

Bottles/Cans/Paper (BCP)
- 108 municipalities accept BCP from residents at their TS
  - Two municipalities charge residents a fee
  - 59 municipalities accept BCP from businesses
  - Five municipalities charge businesses a fee

134 municipalities (out of the 161 surveys received) responded to this question
Average $1,152,259 for 108 municipalities
**Median of $561,698**

108 municipalities (out of the 161 surveys received) responded to this question
Annual MSW Expenses as a % of Total Expenditures

108 municipalities (out of the 161 surveys received) responded to this question

**Median of 5.05%**
Of the 74 municipalities that responded, an annual average of 15,534 tons of solid waste passes through a transfer station for disposal. This translates to an average of 0.65 tons per capita – ranging from .02 to 13.6 tons/capita/year.

Of the 77 municipalities that responded, an annual average of 3,043 tons of recyclables passes through a transfer station. This translates to an average of 0.16 tons per capita – ranging from 0.002 to 2.5 tons/capita/year.

90 municipalities (out of the 161 surveys received) responded to this question.
Average Annual Operating Costs of Transfer Stations

- Of the municipalities that responded, **84** own or operate a transfer station, with an average total annual operating cost of **$614,812**. This translates to an average of **$36.75 per capita** – ranging from **$2.03** to **$126.84 per capita/year**.

110 municipalities (out of the 153 surveys received) responded to this question.
For the 31 municipalities who responded to this question re maintaining a closed landfill, the average annual maintenance cost was $31,706. Such costs can include:

- Leachate collection system
- Groundwater monitoring
- Installation of cap
- Inspection and repair of cap and other protective systems

For the seven municipalities who responded to this question re operating an open landfill the average annual operating cost was $395,729.
Average Annual Expenditures for Oversized MSW Curbside Collection

Of the municipalities that responded, **11** provide or contract out curbside collection of oversized MSW for disposal. The average annual expenditure for this is **$482,804**. This translates to an average of **$14.48 per capita** – ranging from **$1.38 to $63.53 per capita/year**.

99 municipalities (out of the 161 surveys received) responded to this question
Of the municipalities that responded, 37 have recycling education expenditures. The average annual cost is $12,262, or $1.50 per capita/year.

Of the municipalities that responded, 18 have recycling enforcement expenditures. The average annual cost is $20,695, or $2.60 per capita/year.

110 municipalities (out of the 161 surveys received) responded to this question.
FY 2008 Annual Revenue Sources for Municipal Solid Waste and Recycling Management Programs

- **Unit based pricing**: Average of $259,490
- **Tipping Fees Charged at Muni TS**: Average of $526,943
- **Taxe Base**: Average of $967,850
- **Other**: Average of $29,025
- **Marketing of recyclables**: Average of $16,227
- **Hauler registration fees**: Average of $113 municipalities (out of the 161 surveys received) responded to this question. Multiple responses allowed.