



A GUIDE WITHIN

Municipal Recycling & Refuse Programs

Why are you here today?

To learn what different programs are available for your community.

To understand what your vendors (haulers) can offer to a community's leaders in regards to recycling education.

To receive a basic understanding of options.



WHY DISCUSS MUNICIPAL PROGRAMS

There are exciting things happening everyday in the way communities view and respond to their waste & recycling needs. These include:

- 1) Collection Programs Organized vs. Subscription
- 2) Recycling choices for every size community
- 3) Yard Waste & Green Waste Programs
- 4) Household Hazardous Waste Collection
- 5) State & County involvement & possible funding grants

And the list goes on.....

Subscription Service

Advantages/Disadvantages of Open Collection Systems

Advantages

- ♦ **Choice – Households are free to continue to choose their hauler based on preference**
- ♦ **There is a direct relationship between the hauler and the customer that allows the customer to shop around or change if dissatisfied**
- ♦ **None to very minimal administrative costs or burdens for public entities**
- ♦ **Small haulers are more apt to compete for a portion of the accounts – entry level requirements for new businesses is low**
- ♦ **Haulers are more likely to be able to shop for lower disposal prices or use their own facilities**

Disadvantages

- ♦ **Usually results in a more expensive monthly cost to the consumer**
- ♦ **Results in more truck traffic with potential associated impacts of:**
 - **Added street maintenance**
 - **Air quality/vehicle emissions**
 - **Safety/vehicle accidents**
 - **Aesthetics (containers out more days of the week), noise, and litter**
- ♦ **Inconsistent charges for the same level of service in a community, even among customers of the same hauling company**
- ♦ **Reduced ability of the community to be effective managing solid wastes**
- ♦ **Haulers switching from one landfill to another due to price results in exposure to liability at more sites**

Single Hauler Services

Advantages/Disadvantages of Organized Collection Systems

Advantages

- ◆ **Increased efficiency enabling a lower cost per household**
- ◆ **Decreased impacts from truck traffic**
- ◆ **Decreased fuel consumption**
- ◆ **Greater control to establish service requirements including:**
 - **Ability to standardize service which makes public education simpler**
 - **Ability to provide access to special service needs at known, controlled costs**
 - **Volume-based pricing to achieve waste abatement goals**
 - **Delivery destinations for processing and overall solid waste management**
 - **Factors affecting recycling and diversion such as variable rate pricing**
 - **Improved control over residents actually using garbage service**
 - **Ability to set specifications on the size and quality of trucks used**
- ◆ **Ability to competitively bid service on a regular basis helping promote lower costs**
- ◆ **Can be used to generate revenues to support other services**

Disadvantages

- ◆ **Households do not have a choice of their hauler**
- ◆ **Greater administrative involvement by the public entity**
- ◆ **Small haulers have higher “entry” requirements to get in the business along with competitive opportunities limited to contract openings**
- ◆ **Currently the organized collection start-up process which converts from open to organized system is can be difficult politically**

What is the breakdown?

Garbage Collections

- Open systems range from approximately 40% to 50%
- Organized systems range from approximately 20% to 35%

Recycling Collection

- Open systems range from approximately 40% to 50%
- Organized systems range from approximately 50% to 60%

Impact Analysis

Garbage Trucks are particularly harmful on pavement. A University of Michigan transportation Research Institute study suggests the frequent starting and stopping of garbage trucks increase road wear by 50% to 100%. This information is based on a garbage truck having an ESAL of 1.0, equal to 1,000 automobile trips. Assuming that a garbage truck drives the entire road once per week, the annual equivalent of 52,000 automobile trips is attributable to a single truck.

If a program has refuse & recycling trucks that would double to 104,000 automobile trips in a single year.

Now let us assume you have an open collection community with three haulers, which equals 312,000 trips down each road per year



ESAL = Equivalent Single Axle Load, is a pavement term

STOP THE NOISE.. BEFORE IT'S TO LATE !



DON'T LET GOVERNMENT TAKE AWAY YOUR FREEDOM



On March 14th the Valley Township Board collected bids in an attempt to "Franchise" your garbage service.

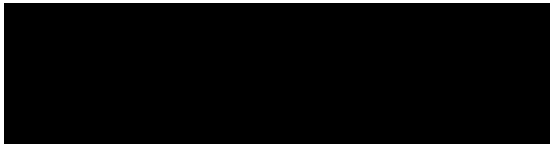
What does this mean to you?

- **You will lose your freedom of choice**
- **A Monopoly will replace Competition**
- **You may pay for services you don't want and not be offered those services you do**

Tell the board you are capable of making your own decisions at the Special Meeting to select a vendor on March 21st at 7:30 pm by phone at (269) 673-5962 or by email at wfbrowne@yahoo.com!

It is the belief of the Valley Township Board that they have only heard from a small minority of residents regarding the garbage franchise. Two meetings have been held where the trash contracts have been discussed with the public. The overwhelming attitude from those in attendance has been against this proposed ordinance and contract. Encourage the Board of elected officials to listen to what the residents are saying.

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Protect Your Freedom of Choice, Vote NO

The Valley Township Board has collected bids, held a special meeting, and at the request of concerned residents will conduct a survey regarding the **FRANCHISING** of your garbage services.

What is a Franchise? A franchise takes away your right to choose which company you do business with and gives control to the Township Board. Allowing them to pick who wins and who loses.

When you receive Valley Township's questionnaire let them know

- | | | |
|---|-----|--------------------------|
| Are you interested in a one size fits all contract? | yes | <input type="radio"/> no |
| Are you willing to give up your Freedom of Choice? | yes | <input type="radio"/> no |
| Do you want to franchise your garbage service? | yes | <input type="radio"/> no |

They need to hear from you and how you feel

Attend the next board meeting April 9th at 7:30 pm
by phone at (269) 673-5962, or by email at wfbrowne@yahoo.com

Funding-Fitting Together The Puzzle Pieces!



ACTIONS BY COUNTY BOARD

General Fund Appropriation: Some Michigan counties allocate general fund dollars to cover their county-wide recycling programs. No action is needed by local units or voters. Ingham, Calhoun, Eaton, Oakland, and Missaukee Counties use general fund monies to fund portions of their programs.

Landfill Surcharge: Michigan counties that have a landfill within their jurisdiction can enact an ordinance that establishes solid waste and recycling programs and imposes a tipping fee Surcharge (e.g., \$3 per ton) on all solid waste coming into the landfill. The operator must collect the surcharge and pay it to the county for use in the established solid waste and recycling programs. No action is needed by local units or voters. Berrien, Eaton, Calhoun, St. Clair, Wexford, Monroe, and Clare Counties use a landfill surcharge to fund recycling programs.

Disposal Facility Surcharge: Michigan counties that have their own solid waste disposal facilities can establish rates for using those facilities that include the costs of running a recycling program. No action is needed by local units unless local unit support is needed to commit waste to the facility. Emmett County Transfer Facility and Wexford, Kent, Jackson, Alpena, Montmorency, Oscoda, and St Clair Counties have their own solid waste disposal facilities.

ACTION BY COUNTY BOARD AND LOCAL UNITS OF GOVERNMENT

Act 185 Public Works Assessment: Michigan counties can create a board and Department of Public Works (DPW) and then work with some or all of the local units to establish a solid waste and recycling project. The engineers estimate for the project is then used to establish an assessment roll for parcels within the jurisdiction of the local units that have approved an agreement with the county. The county then collects the assessment as a program availability user fee and manages the solid waste and recycling program. Action is needed by the county and the local unit but no action is needed by voters. Property owners can appeal the assessment. Washtenaw County and Western Washtenaw County Authority have create such a board.

Public Act (PA) 69 of 2005: PA 69 of 2005 allows counties to work with some or all of their local units to establish a recycling, composting, and/or household hazardous waste project. The county can collect up to \$25 per year from households in the local units that have approved an agreement with the county. Further, subject to the approval of local voters, the county may collect up to \$4 per month or \$50 per year. Commercial businesses could be subject to the surcharge, with voter approval. To hold an election on the increased surcharge, the county board of commissioners must pass a resolution with specific information. The initial authorization for the additional surcharge is for a period of five years. Subsequent authorizations are for at least 10 years. The surcharge , approved by voters, would not apply to vacant land, land owned by a public-utility, rights-of-way, and easements that do not generate solid waste. Benzie, Leelanau, Allegan, and Cheboygan Counties use this funding mechanism.

ACTION BY COUNTY BOARD AND/OR LOCAL UNITS OF GOVERNMENT

Intergovernmental Agreement and Independent Cost Sharing: Counties and local units and/or local units working together on their own can act in unison through intergovernmental agreements to run recycling programs. Each local unit can be obligated for their fair share and then come up with their own methods of paying for that share. No action by voters is required. Mid-Michigan Waste Authority, Southeastern Oakland County Resource Recovery Authority (SOCRRA), Resource Recovery and Recycling Authority of Southwest Oakland County (RRRASOC) use this funding mechanism. Funding Options for Michigan Recycling Programs Page 2 September 2010

Intergovernmental Agreement and Hauler Licensing: Counties and local units and/or local units working together on their own can act in unison through intergovernmental agreements and a uniform ordinance that requires private waste haulers to meet certain recycling requirements in order to do business and to include the costs for those programs in their overall solid waste service fees. No action by voters is required. Grand Traverse County Curbside Recycling, Eaton and Kalamazoo Counties use this funding mechanism.

ACTION BY COUNTY BOARD AND/OR LOCAL UNITS OF GOVERNMENT

Dedicated Millage: Incorporated Cities and Charter Townships in Michigan can charge an additional millage for solid waste and recycling services up to limits specified by statute. No action by voters is required. Royal Oak, Ann Arbor, Troy, Birmingham, Southfield, and Pontiac Counties use this funding mechanism.

Organized Collection: Any local unit of government can use contracting and ordinances to select a single hauler to provide solid waste and recycling services to all households, all businesses, or both and establish a fee collection mechanism to cover the cost for the same. Through intergovernmental agreements a third party (BPW, authority, etc.) can be assigned this responsibility by the local unit. No action by voters is required. Shelby Township hauler does the fee collection, Superior Township (rate is established by bid, hauler does billing).

Operating Revenues: A program operated with public agency involvement can charge additional fees for various services that will help offset the public sector's costs for the program. An example would be a multi-township recycling and solid waste drop-off facility that collected a per bag charge for the solid waste dropped off by citizen's and use that revenue to help offset operating costs such as staffing, building improvements, etc. The City of Ann Arbor/Washtenaw County drop-off program uses this funding mechanism.

Material Sales Revenues: A program operated with public agency involvement can use the revenue from sales of recycled materials to help offset the public sector's costs for the program. An example would be a regional recycling facility owned by a multi-county authority and operated under contract by a private firm, with the public agencies offsetting some of their costs with a share of the revenue from sale of recyclables. RRRASOC, Emmet and Neway Counties use this funding mechanism.

VOTER APPROVED MEASURES

Voter Approved Millage: Any local unit of government and/or a county can put a vote to the people for a temporary or permanent millage to fund a solid waste or recycling program. Examples of this include Royal Oak, Chippewa, Charlevoix, and Tuscola Counties.

Fee

If approved by voters, a city may collect a per household fee to fund a recycling program.

For more information contact:

Matt Flechter Recycling and Composting Coordinator
Michigan Department of Natural Resources and Environment
Environmental Resource Management Division

“Michigan recognizes solid waste as a resource... [and] will facilitate waste management options...by educating its citizenry about the options available to avoid waste generation, furthering the development of infrastructure to reuse and recycle wastes,... It is important that Michigan develop the infrastructure necessary to utilize wastes by converting them into resources.”

Michigan Solid Waste Policy

<http://www.michiganrecycles.org/images/pdf/stateofrecycling2011mrc.pdf>

ELEMENTS OF A BEST-IN-CLASS RECYCLING PROGRAM

The Michigan Recycling Coalition (MRC) urges the State of Michigan to adopt a comprehensive approach to recycling. This includes making the investment necessary for Michigan to accomplish adopted State goals and providing the leadership necessary to realize the economic and environmental benefits of achieving those goals. In the report *“2011 State of Recycling in Michigan: A Way Forward”*, the MRC documents the significant return on investment offered by addressing the funding needs associated with the components of a comprehensive, and successful statewide recycling program.

Learn About The Six Steps:

Measurement and Data Collection
Community Services and Infrastructure
County Planning

Education and Technical Assistance
Market and Economic Development
State Solid Waste Policy Administration

<http://www.michiganrecycles.org/images/pdf/recycling%20elements%20ofact%20sheet.pdf>



Let's Talk Funding Again!

Introducing:

THE SUSTAINABILITY FEE aka. THE PENNY TAX

Estimates on the total number of eligible transactions upon which the Sustainability Fee would be placed, vary. Further research is necessary and underway. At this time, it is estimated that a fee of \$.01 per transaction would generate between

\$22 million and \$42 million annually.

The estimated annual cost per consumer for each penny of the fee is between \$3 and \$6. Further research will allow that figure to be better established and help the guide in setting the rate at a level that will allow the activities advocated by the Michigan Recycling Coalition to be accomplished.



Discussion Time

Recycling Program Design

- 1) How we design the program, creates the opportunity for success.
- 2) How we introduce the public to a program effects the quality of the recycled material, participation level and thus, the program results.
- 3) How we provide education during a program effects the amount of material diverted from the landfill.
- 4) How we communicate that education effects the response.

Presented by:

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