



Emmet County  
Recycling

# March Forth Into Recycling

MRC Annual Conference

April 30, 2014



Michigan's goal  
recycling rate

**30%**



Michigan's estimated  
recycling rate

**15%**



# Governor Snyder's Recycling Plan

- \$1 Million Recycling Initiative:
  - Measurement
  - Statewide Public Info Campaign
  - Technical Support
  - Leadership
- Redirect \$250,000 from Pollution Prevention Fund
- Leveraging existing funds to incentivize regional cooperation & investment in recycling services
- Governor's Council on Recycling



# Proposed Goals & Metrics

Increase number of counties with convenient access to residential recycling to:

29 counties by 2015

45 counties by 2016

83 counties by 2017

Increase statewide participation in recycling to above the Great Lakes states average by December 2017



## State Objectives

## Time Frame

- |  |            |
|--|------------|
| 1. Data Collection Measurement         | Short term |
| 2. Education & Technical Assistance    | Short term |
| 3. State Policy Admin & Leadership     | Short term |
| 4. Community Infrastructure & Services | Long term  |
| 5. Market & Economic Development       | Long term  |
| 6. County SW Planning                  | Long term  |



# Successful Michigan Recycling



- Who we are
- What we do
- How we got here
- How the state's plan can make a difference in your county



# Who we are: Emmet County by the #s



30,000 people  
14,000 households



# Emmet County Governmental Units

22 government units:

- 2 cities
- 3 villages
- 16 townships
- Little Traverse Bay Bands of Odawa Native Sovereign Nation





State Plan to encourage regional collaboration  
Create synergies by working together

# Recycling Together



Cheboygan County  
Otsego County  
Presque Isle County  
Straits Area Services  
Straits Regional Ride  
Municipalities, Townships  
Over 300 Businesses,  
Institutions, and  
Organizations  
NWMCOG  
and so many more...



# What we do: Hub and Spoke







# How we started & How the State helped jumpstart our programs

- County Solid Waste Planning Process
- County Recycling Funding Committee
  - Short term funding
  - Ongoing long term funding: Enterprise Fund



# Start-up Funding

- Clean Michigan Fund grant
- Solid Waste Alternatives Program grant
- County millage (.25 mil, two year)



## *Expenditures*

Buildings	\$146,842.00
Equipment	\$207,608.00
<u>Truck/containers</u>	<u>\$144,274.00</u>
Total	\$498,724.00

## *Contributions to Capital*

County Millage	\$376,750.00
<u>State Grants</u>	<u>\$218,920.00</u>
Total	\$595,670.00





# Creating Economies of Scale

- Hub & Spoke regional MRF
- High Quality Grades
- Processing & Shipping





# Emmet County Transfer Station and Recycle Processing



# Recycle Drop-off Sites



# Cost effective option for rural areas



# Curbside Recycling Collection







### Hoteliers Happy With Recycling

*"We get it to the curb and  
Emmet County Recycling does the rest."*

*—David Marvin  
Stafford's Hospitality*



Emmet County  
Recycling

Call  
**231-348-0640**  
to learn how easy  
recycling can be!





## We love curbside recycling!

"Harbor/Brenn always made a concerted effort to recycle the paper that came through our office. But, back when we were using messy boxes in the back to store it and taking turns hauling it to Harbor Springs, no one really liked it. Now with curbside recycling, we just put it all in the bin and have it at the curb each week--and for such a nominal charge! We love it!"

--Ashley Whitney, Harbor-Brenn Agencies



Emmet County  
Recycling

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## Restaurateurs Rave About Recycling

"We love the curbside service, especially the wheeled carts. They're easy to maneuver and they look good."

—Mary Keedy

"Recycling is a no-brainer with curbside collection. It just makes sense—it's cheaper to recycle it!"

—Bob Keedy

*Bob and Mary are the proprietors of Roast & Toast Coffee & Cafe and are partners in the City Park Grill.*



Emmet County  
Recycling

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to learn how easy  
recycling can be!





# Recycling

- 80%+ of residents using Recycling Program
- Over 300 businesses using Curbside Recycling service





This Earth Day, Emmet County Recycling says

# THANK YOU!

to the following businesses and institutions for recycling through our curbside collection program.

A Salon & Spa • Active Brace & Limb • Adelaine Construction • American Legion Post #281 • American Red Cross, Great Lakes Region  
 Angela Savard Interiors, Inc. • Dr. Mark Antonishen • The Appleyard Childcare & Preschool • A.R. Pontius Flower Shop  
 Avio, Inc. (Home Theater Specialists) • B. may bags • Balnhoof Sport • Bay Area Pet Resort • Bay Bluffs  
 Bay Front Park Marine • City of Petoskey • Bay Harbor Company • Bay Harbor Equestrian Club • Bay Harbor Golf Club & Restaurant  
 Bay Harbor Properties • Bay Harbor Yacht Club • Bayside Family & Sports Medicine • Bay Street Cottages • Bay Street Orthopedics  
 Bay Street Professionals • Bay Tennis & Fitness • Bear Creek Township Hall • Bearcub Outfitters • Beards Brewery  
 Birchwood Farms Golf & Country Club • Blackbird Farms • The Boathouse of Harbor Springs • Bob-In Again • Boyne Highlands  
 Boyne Resorts • Brother Dan's Food Pantry • Brown Motors • Bunker, Clark, Winnell & Nuorala • Burns Professional Building  
 CCE Central Dispatch—911 • Circuit Controls Corporation • City Park Grill • Classic Cabinets & Interiors • Client First Mortgage, Inc.  
 Collins & Associates • Colwell Wageman Construction • Concord Academy Petoskey • Contractors Supply • Cormack's Deli  
 Cottage Interiors • Country Club of Boyne • Creative 1 • Crooked Tree Arts Center • Crooked Tree Golf Club • Cutter's  
 Cygnus Inc. • David's Place • John & Marnie Depmer Wellness Pavilion & Dialysis Center • Dental Clinics North • Dentistry By The Bay  
 The Depot Club & Restaurant of Harbor Springs • Dermatology Associates of Northern Michigan • Devon Title Agency  
 dressed, a boutique for women • DTE Energy • D. Scott Eaton, DDS. • Eco-Smoothie • Edward Jones Investment (M. Eberhart)  
 Ernest Chiropractic Clinic • Emmanuel Episcopal Church • Emmet County Building • Emmet County Fairgrounds  
 Emmet County Road Commission • Emmet County Road Patrol • Emphasys Software • EPS Security • Ethnic Creations  
 Family of Christ Church • First Choice Physical Therapy • First Presbyterian Church of Petoskey • Flowers from Sky's the Limit  
 Fresh Baby • Freshwater Future • Friendship Centers of Emmet County • Furguson Plumbing, Heating, & AC • Fustini's Oils & Vinegars  
 Glenwood Custom Builders, Inc. • Graham Real Estate • Grain-Treat Natural Foods • Grappa Interiors' gifts, Inc.  
 Great Lakes Cardiothoracic & Vascular Surgery • Great Lakes Child & Adolescent Psychiatry • Great Lakes Oral & Maxillofacial Surgery  
 Habitat for Humanity • Harbor Care Associates • Harbor/Brenn Agencies • Harbor Hall • Harbor Light Community Chapel  
 Harbor Light Newspaper • Harbor Point Association • Harbor Pointe Dental • Harborside Spine & Sports Center  
 Harbor Springs Area Historical Society • Harbor Springs City Offices • Harbor Springs Excavating, Inc. • Harbor Springs Harbor Master  
 Harbor Springs Police Department • Harbor Springs Public Schools • Harbor Springs United Methodist Church • Harborside Deli  
 Harmony Spa & Massage • Harriet K. McGraw, DDS. • Law Office of Daniel J. Harris, PC • Health Dept. of Northwest Michigan  
 Hearing Life • Heartside Groceries • Horizon Books, Inc. • Hillside Condominium Association • Hilltop Childcare & Childcare  
 Holiday Vacation Rentals • Motorz, Inc. • Hospice of Little Traverse Bay • Huzza • Independence Village of Petoskey  
 The Ink Spot • Inn at Bay Harbor • Integrative Medicine • Interiors Inc. • Irish Boat Shop, Inc. • Ironwood Construction Co.  
 It's Always Good, Inc. • J.B.'s Hair Design • Jensen's Animal Hospital • Jesperson's Restaurant • Johan's of Harbor Springs  
 Julianne Tomatoes • William R. Kanine PC • Kilwin's Quality Confections, Inc. • Kolinski & Associates, P.C.  
 Korthase Flinn Insurance & Financial Services • La Dolce Vita Salon & Spa • The Lake Street Design Studio • Lakeview Academy  
 L'Esprit Antiques, Inc. • Little Harbor Club • Little Traverse Bay Band of Odawa Government Center • Little Traverse Bay Band of Odawa  
 Mina Mskiki Gurkih Health Park • Little Traverse Historical Society • Little Traverse Bay Humane Society • Little Traverse Bay Golf Club  
 Little Traverse Bay Inn • Little Traverse Primary Care • Little Traverse Township Hall • MacGregor Plumbing & Heating  
 Mackinaw Trail Winery • Mallard Cove Assisted Living • Manna Food Project • Manthei, Inc. • Mark Buday Architect, PLLC  
 Markiewicz & Co. • Maxwell Brothers Cycle Shop • McBride Construction, Inc. • McCardel Culligan • McDonald Garber Broadcasting  
 McLaren Northern Michigan • Melissa & Co. • Menonaqua Inn & Beach Club • Michigan Safety Products • Miller Dentistry  
 Mitchell Park Center • Mitchell Street Pub • Moeller Aerospace Technology, Inc. • Monarch Garden & Floral Design  
 Mondogram Goods • Munchkin Manor Webcam Daycare • The New York Restaurant • N.J. White Associates  
 North Bay Ophthalmology • North Central Michigan College • North Country Community Mental Health  
 Northern Anesthesia Services, PC • Northern Community Mediation • Northern Copy Express • Northern GreenLawn North  
 Northern Michigan Allergy & Asthma Center PC • Northern Michigan Artists' Market • Northern Michigan Hardwoods  
 Northern MI Oral & Maxillofacial Surgery • Northern Michigan Physical Medicine • Northern Michigan Rheumatology  
 Northern Michigan Urology, PC • Northern Periodontics & Implant Dentistry • Northgoods • Northland Self Storage  
 Northwest Design Group, Inc. • Northwestern Bank • Northwestern Mutual • Northwest Michigan Works! • Nub's Nob Ski Area  
 The Outfitter • Out to Lunch • Pace Interiors • Palette Bistro • Pepsi • Perry Farm Village • Personal Graphics  
 Petoskey Auto Sales • Petoskey-Bay View Country Club • The City of Petoskey • The Petoskey Club • Petoskey Dental Associates  
 Petoskey Downtown Offices • Petoskey Family Dental Care • Petoskey Gynecology & Infertility • Petoskey KOA • Hi-Tech  
 The Petoskey News-Review • Petoskey Montessori Children's House • Petoskey Plastics, Inc. • Petoskey Public Library  
 Petoskey Public Schools • Petoskey Regional Chamber of Commerce • Petoskey United Methodist Church • Petoskey Urgent Care  
 The PhoneGuide • Pierre Bitar Gallery • Pilates Midwest • Planned Parenthood of Northern Michigan • PMP Personnel Services Inc.  
 Polly's Planting & Plucking, Inc. • Premier Planning Professionals • Preston Feather Building Centers • The Print Shop  
 Prudential Preferred Properties Network—Harbor Springs • The Public Letter Shop • Quick Care Medical Center • The Quiet Moose  
 Rellinger & Associates • Resort Township Hall • Rising Hope Riding Center • Roast & Toast • Robert Frost Fine Footwear  
 Root Health • Ross Cottages Association • Ruff Life Pet Outfitters • Saint Francis Xavier Federal Credit Union  
 Saint Francis Xavier School • Sallou Nouveau • Seventh Day Adventist Community Services • Shingle Roofing Service  
 Ship Shape • Signature Kitchens • Signature Motorcoach Resort at Bay Harbor • Sleep Diagnostics of Michigan • Sara E. Smith, CPA  
 Stafford's Perry Hotel • Stafford's Pier Restaurant • Studio Health & Fitness • Sturgeon River Pottery • Summit Park Eye Care Specialists  
 Sunset Shores Condominiums • Super 8 Motel of Petoskey • Superior Steel Supplies • Susan J. S. Malone, DDS., PC  
 Talulu Beauty Lounge • Taylor Rental • Teddy Griffin's Roadhouse • Then & Now Antique & Consignment House  
 Thomas Sebold & Associates, Inc. • Tim Bondy Physical Therapy • Tip of the Mitt Watershed Council • Tom's Mom's Cookies  
 Traverse Woods Apartments • Trillium, A Complete Salon • Tri-Rivers Collision • Trout Creek Condominiums • Turkey's Cafe & Pizzeria  
 Twisted Olive • U.S. Inc. • VerBurg Gynecology • Videsh • Vintage to Vogue • Vogue Salon • Wallin Lake Country Club  
 Walstrom Marine • Ward & Eis Gallery • Websterworks • Wells Fargo Home Mortgage • Wellspring Women's Health Care  
 Wentworth Builders • Wolverine Cabinet Company • The Women's Resource Center • Woodpecker Industries • Woods Way Association  
 Wright & Filippis • Joel D. Wurster, PLC • Yoga Roots • Zion Lutheran Church • Zipp Professional Building

Our thanks go out, too, to all of the businesses which haul their own recyclables!

If you would like to join this outstanding group, call 348-0640.



# Bulky Recyclables Drop-off



# Hazardous Recyclables Drop-off





Electronics:  
All Free  
All the Time



1,810 Mattresses Recycled  
April-December 2012  
Michigan Mattress Recyclers in Gaylord



# Latex Paint Recycling

- ePaint

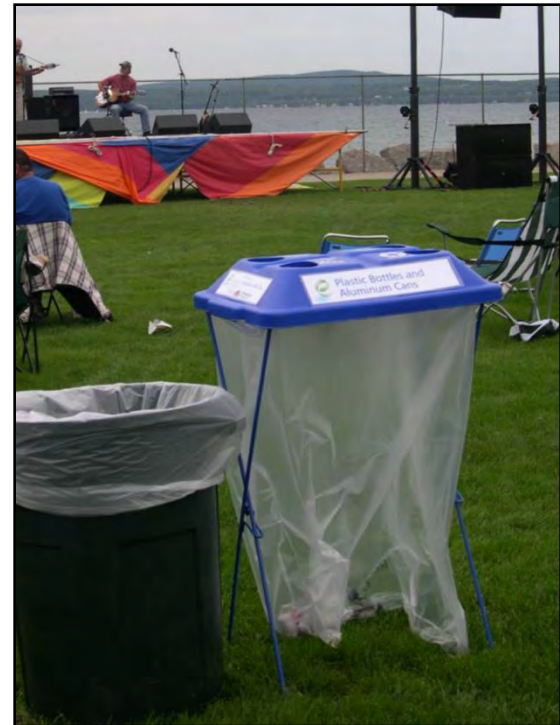






# Event Recycling

- Festival by the Bay
- Petoskey Soccer Tournaments
- July 4 Parades
- Art in the Park
- Bliss Fest Music Festival
- And many more!



# Public Space Recycling



# Comprehensive

## Recycle more, sort less Drop Site and Curbside

### Mixed Containers

#### Juice boxes, milk cartons and paper cups

- Please rinse and flatten.
- NO juice pouches or straws

#### Plastic bottles, jugs and jars

- All numbers #1, #2, #3, #4, #5, #6, and #7
- NO Styrofoam
- NO motor oil jugs
- Please rinse and flatten.
- *Don't be afraid to remove labels.*
- NO toys, buckets, or durable dishes
- NO "biodegradable" or corn-based plastics (PLA)
- NO plastic bags. They belong with your Paper, Boxes and Bags.

#### Plastic tubs, trays and cups

- All numbers #1, #2, #3, #4, #5, #6, and #7
- NO Styrofoam
- Please rinse and flatten.
- *Don't be afraid to remove labels.*
- NO durable dishes, wash tubs, buckets, etc.
- NO "biodegradable" or corn-based plastics (PLA)
- NO plastic bags. They belong with your Paper, Boxes and Bags.

#### Metal cans, foil and trays

- Metal lids are okay.
- Aluminum, steel and tin
- Please rinse and flatten.
- NO aerosol cans or propane tanks

#### Glass bottles and jars

- Clear, green, brown, and blue
- Please rinse.
- *Don't be afraid to remove labels.*
- NO light bulbs, window glass, or glass dishes

### Paper, Boxes and Bags

#### Cardboard and paper bags

- Boxes from frozen and refrigerated foods are okay.
- Board-like or cereal boxes and paper towel cores—*no okay.*
- Please remove packing materials and flatten.
- NO Styrofoam
- NO pet food bags
- Accepted at all drop sites.
- Curbside Only: Cardboard must fit entirely in your green tote.
- NO loose plastic bags. Please stuff all plastic bags into one bag and tie it shut.

#### Plastic grocery and bread bags

- Stretchy bags only
- Clean, dry bags only
- Please put all of the bags into one bag and tie it shut.
- Shrink wrap—like around rolls of paper towels and cases of water bottles—is okay.
- NO chip wrap. *Send in empty, find and cover dishes!*
- NO cereal box liners
- NO "crunchy" plastics—potlaphone, petzel bags, potato chip bags, etc.



#### Newspapers and inserts

- NO newspapers which have gotten wet and/or yellowed.

#### Magazines, catalogs and books

- Hardcover, paperback, and phone books are okay.

#### Office paper

- Accepted at all drop sites
- Junk mail and envelopes
- Copy paper, writing paper, and file folders
- Shredded paper, too
- *Please put it in a transparent bag.*
- NO construction paper or dark or bright copy paper
- NO padded, plastic, or Kraft (gold paper) envelopes
- *Don't be afraid to remove:*
  - rubber bands
  - paper clips
  - plastic windows from envelopes
  - staples
  - sticky notes
  - mailing labels
  - staples
  - tags

Still not sure if it's recyclable?

Visit us at [www.EmmetRecycling.org](http://www.EmmetRecycling.org) or call 231-348-0640

## Recycle even more—at the Drop-off Center

### Clothing and bedding

- Clean and dry only, please.
- FREE

### Shoes and work boots

- Please rubber band in pairs.
- FREE

### Small appliances

- Please throw away removable parts not made of plastic or metal—vacuum-cleaner bags, glass carafes, toasters, microwave turntables, etc.
- FREE

### Large appliances

- (also see Electronics)
- Refrigerator, freezer, air conditioner or dehumidifier: If not tagged by a certified technician—*see required by law before recycling or disposal*—add \$25.

### Electronics

**ALL FREE! ALL THE TIME!**

- All electronics from households and businesses with under ten employees are now accepted for FREE!
- Limit seven items per day.

\* Businesses with over ten employees, please call for fee information.

## Drop-off Center (continued)

### Batteries

- All kinds of vehicle and household batteries are accepted at the Drop-off Center.
- Household batteries may also be dropped off during business hours at:
  - Alanson**—*ITW Fasteners & Son*
  - Harbor Springs**—*Major Hardware & Proven Feather Building Center*
  - Mackinac City**—*Coffman Hardware and the Village Hall*
  - Pellston**—*Coak's Hardware*
  - Petoskey**—*Fisherman's CarQuest*
  - More for Hardware and Radio Shack**
- Batteries from home use FREE
- Business use \$1 per pound

### Fluorescent light bulbs

- Compact fluorescent bulbs okay
- NO incandescent (ordinary) or halogen bulbs.
- Bulbs from home use FREE
- Business use please call 231-348-0640 for rates.

### Tires

- On-the-rim is okay.
- 1/2" each for car and light truck tires
- Bike tires 4 for \$2.00
- Call for other tire prices.

### Motor oil plus

- Hydraulic fluid, fuel oil, automatic transmission fluid, lube oils, and diesel fuel are okay.
- NO gasoline or contaminated oil (e.g., oil with gas or water) to dispose of these call the Household Chemical Drop-off Program at 231-348-0640.
- FREE

### Antifreeze

- Both ethylene and propylene glycol-based products
- FREE

### Asphalt shingles

- Can include nails, tar paper, and felt
- Shingles must be from a home. If from apartments or condominiums there must be 4 units or fewer in the building.
- Accepted seasonally from April 1 to November 1
- NO cedar shakes, roll roofing, roofing tiles or drip edge
- SAVE! 110 cubic yard to recycle, \$22 to landfill

### Rubble and ceramic fixtures

- Rocks, bricks, concrete, asphalt, ceramics and porcelain including toilets, sinks and bathtubs
- Metal and some mesh are okay.
- Please remove seats, base etc. etc. from plumbing fixtures.
- NO lead paint or asbestos
- SAVE! 110 cubic yard to recycle, \$22 to landfill

### Wood

- NO treated wood, plywood, or particle board
- Nails are okay.
- SAVE! 110 cubic yard to recycle, \$22 to landfill

### Scrap metal

- Steel, aluminum, copper, cast iron, and other metals
- NO propane tanks
- NO vehicle tanks
- FREE



# Dual-stream expansion 2010



# 2 Categories



Paper, Boxes and Bags



# Mixed Containers











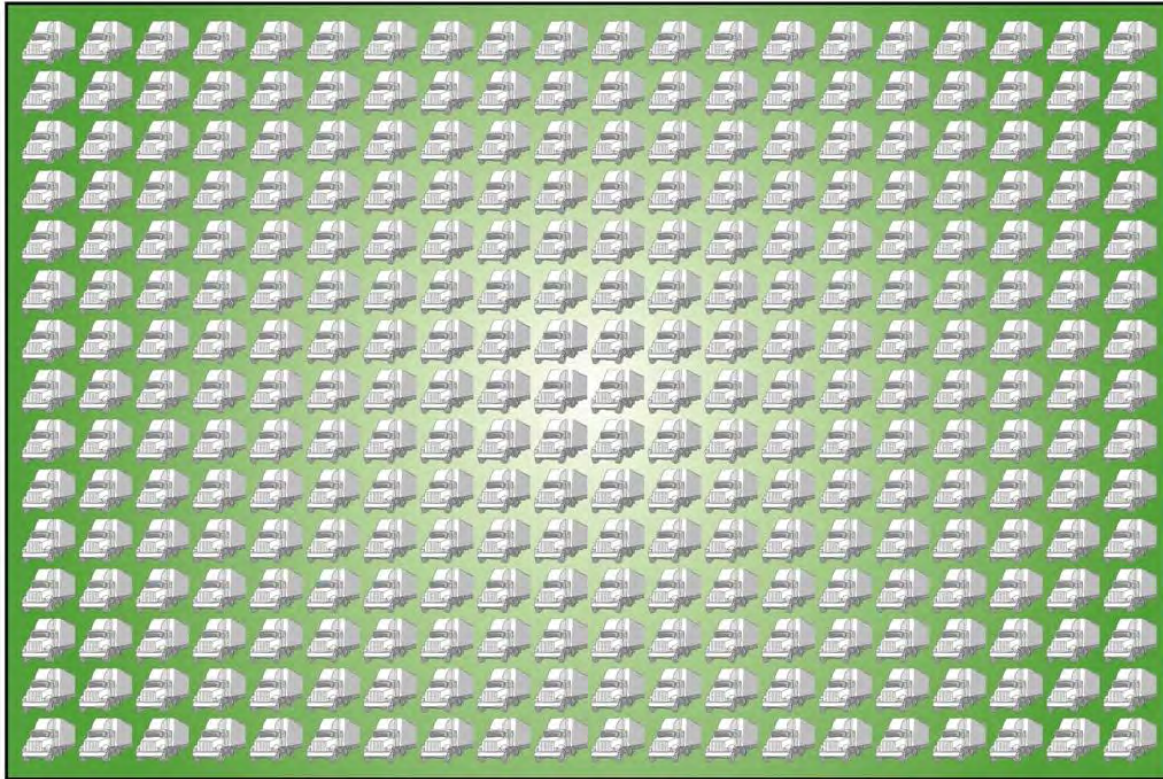


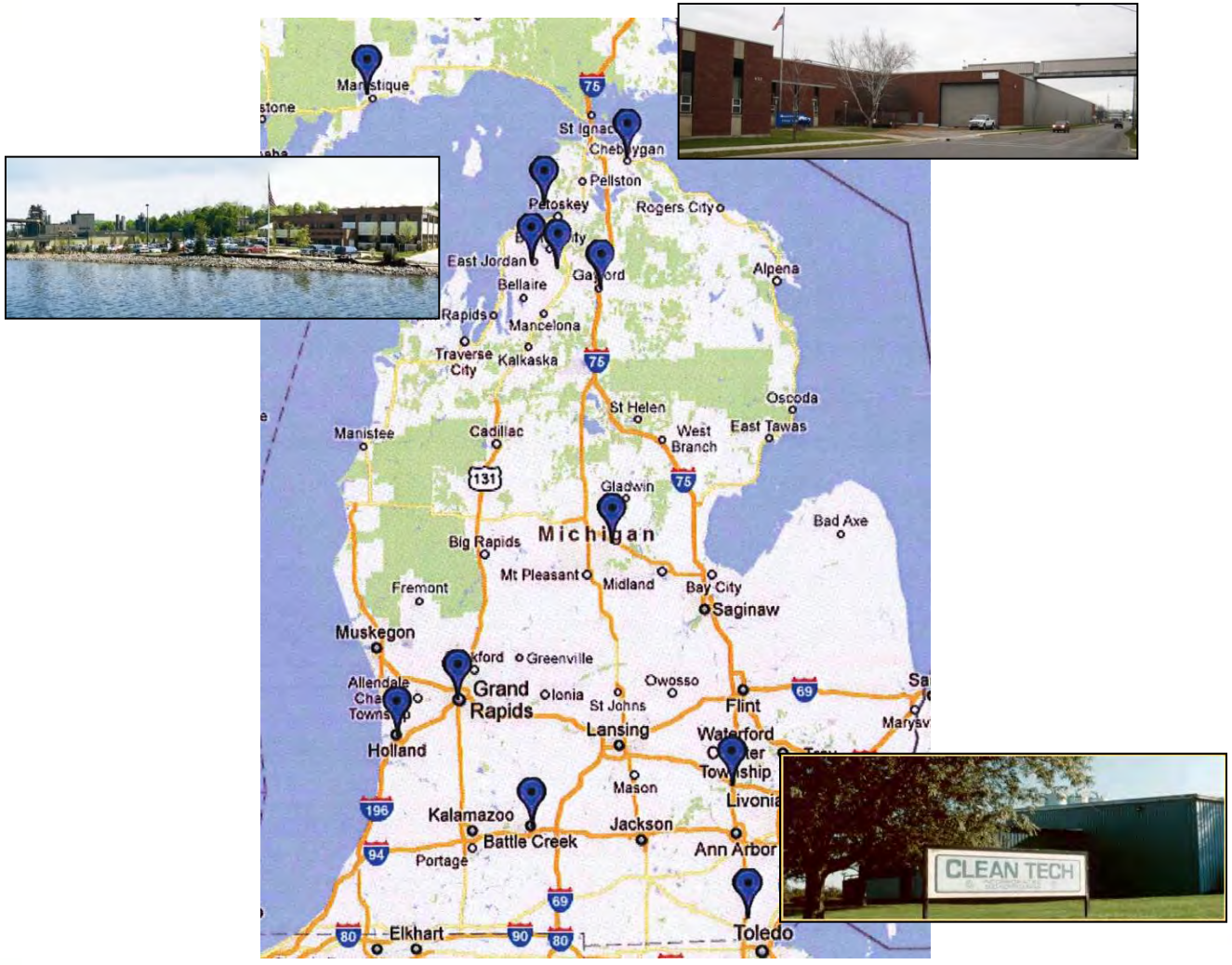


# Nearly 10,000 tons in 2013



# Over 300 Semis a Year





# Local Markets, Win-Win

- Improving processing & transportation efficiencies













# Roofs to Roads: Asphalt Shingles Recycling



First year (2010)

- 1,621 cubic yards recycled
- equivalent to 270 roofs



# 97% of Our Recyclables Supply Businesses in Michigan



- Returning value to our communities
- Keeping jobs and resources in Michigan



# Yard Waste Composting





# Building Community









The Emmet County Recycling Program, which does not rely on tax dollars, "...is a dream for Republicans."

Bonnie Lucas, Chair  
Emmet County Republican Women



No County  
tax dollars  
since 1991.



# The Emmet County Model



## Emmet County Recycling

Convenient

Comprehensive

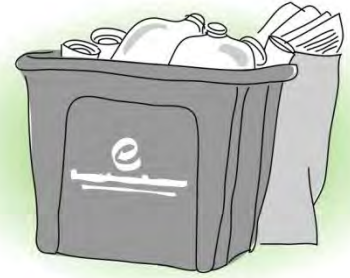
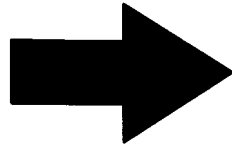
Cost-Effective

Ordinance

Flow Control

Pay-As-You-Throw





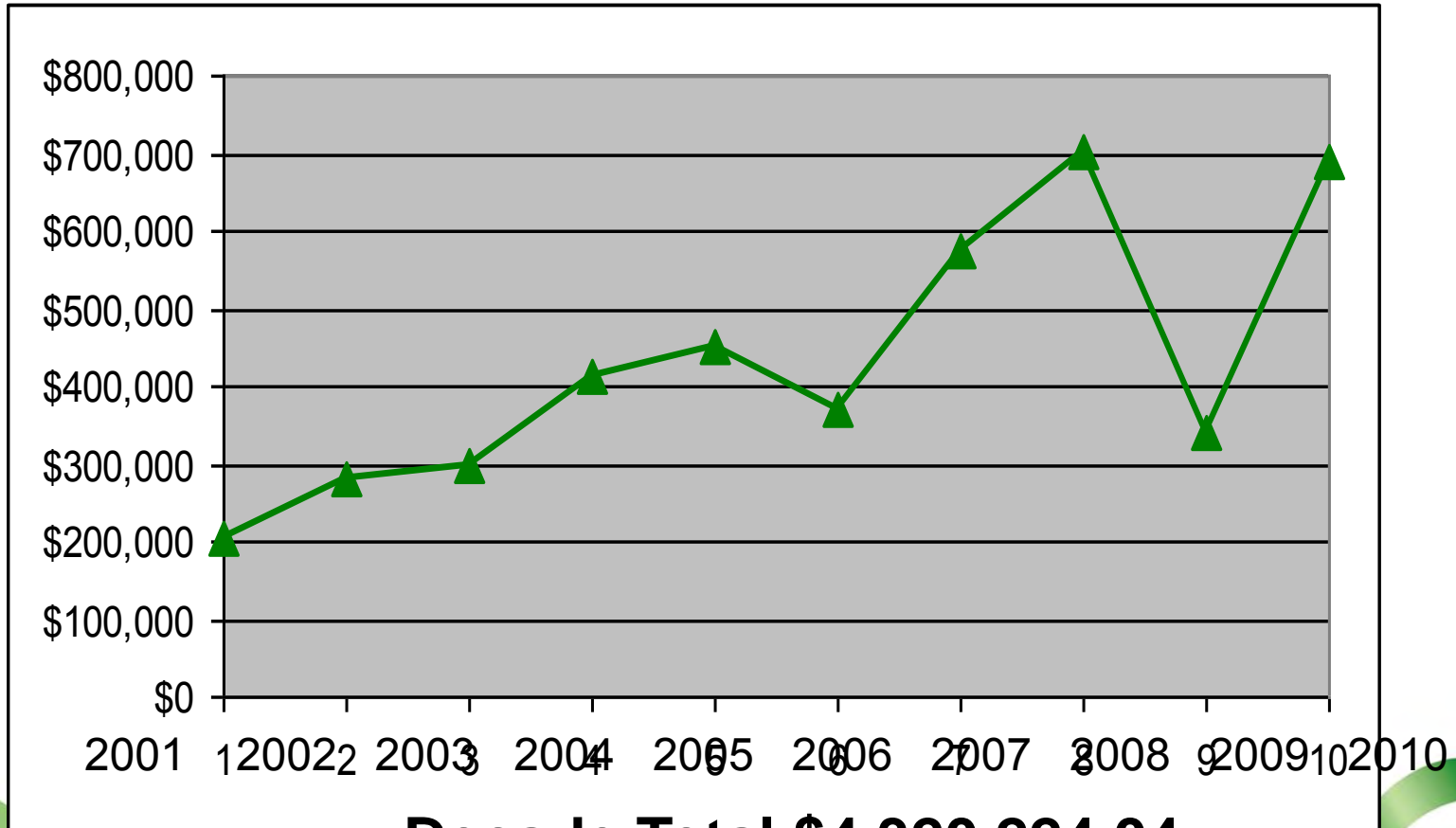


# Flow Control Supreme Court Decision

- Flow Control “...is a convenient and effective way to finance... integrated package of waste-disposal services...”
- “create enhanced incentives for recycling...”
- “increase ability to enforce recycling laws...”



# Aggressive Marketing of Recyclables



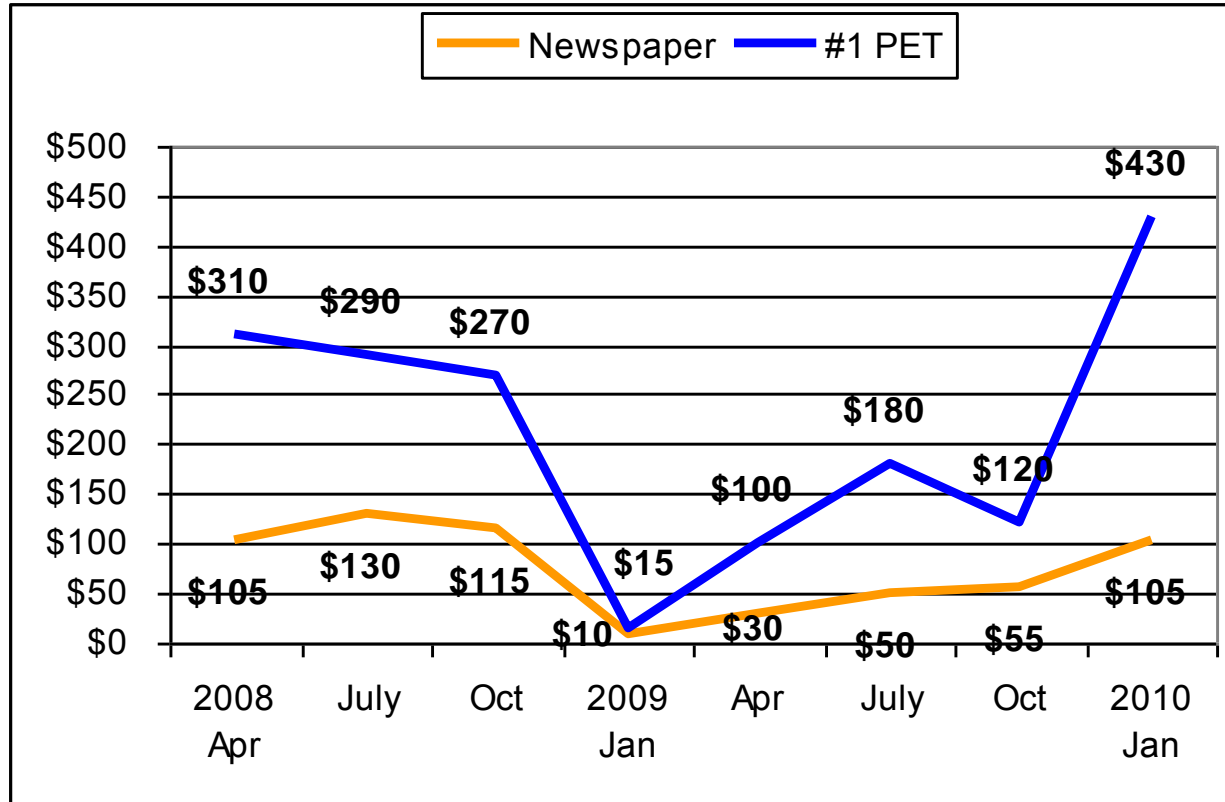
**Decade Total \$4,320,224.04**

**2011: \$1,064,066.53**





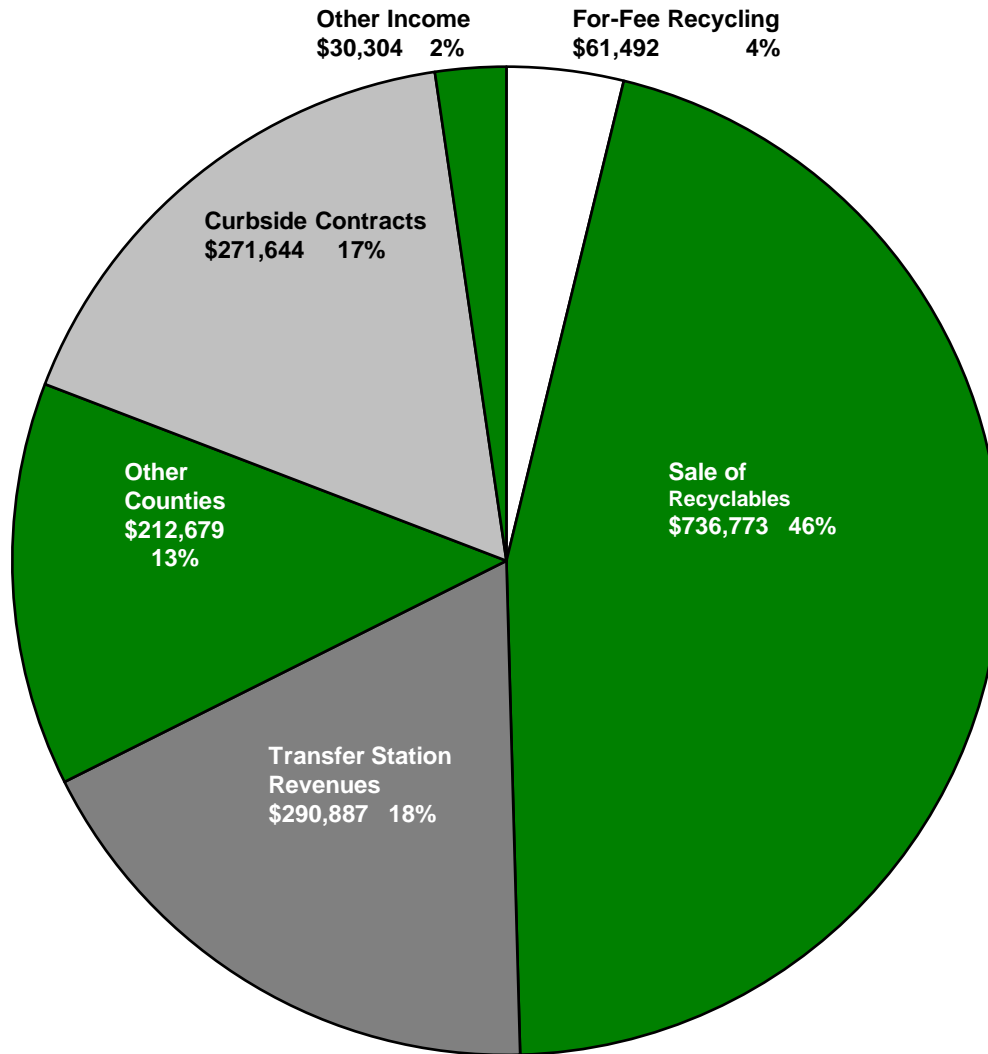
# Market Volatility (value per ton)



# Ongoing Funding

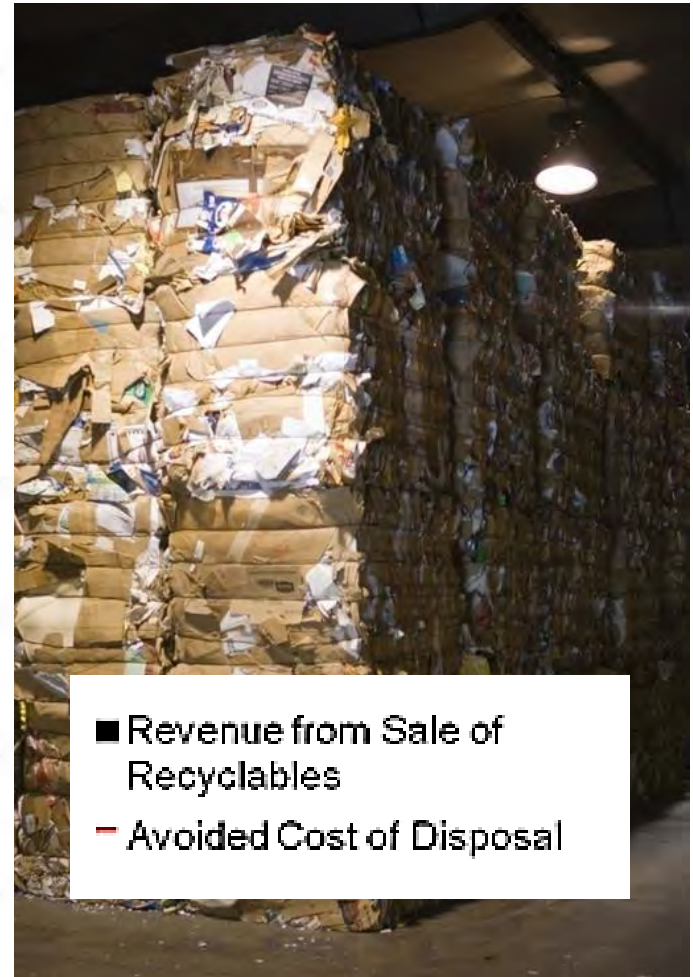
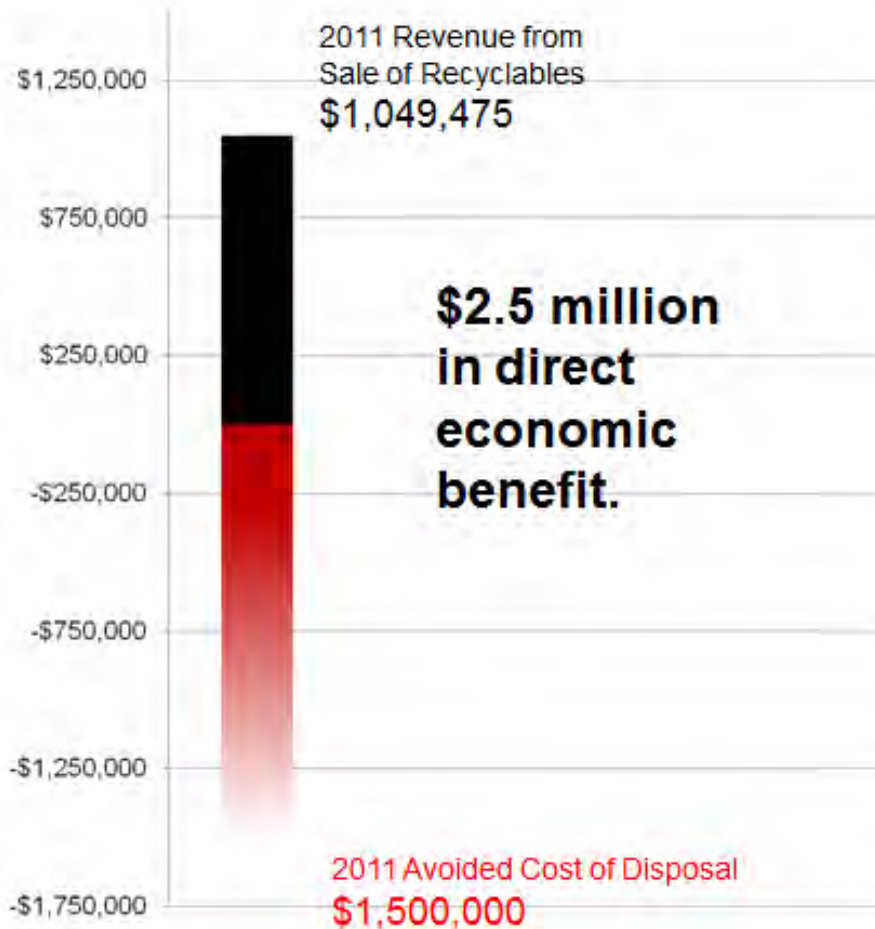
- Allocation from Transfer Station Funds
  - “Tip Fee Surcharge”
    - Used for HHW, Hazardous Recyclables, to Stabilize Fluctuations in markets
- Fees for Service
  - Tires, mattresses, some Construction & Demo materials
- Aggressive marketing of Recyclables
  - Funds processing
  - Drop sites
- Contracts for Services
  - Residential Curbside
  - Commercial Curbside



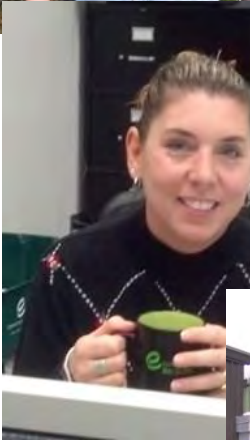


Recycling Revenue Sources:  
Total Revenue \$1,631,959.05





# Great Staff!



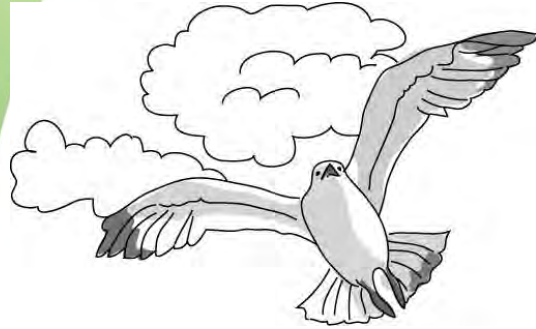
# Great Leadership



# Collaboration keeps resources and jobs in our communities



# Environmental Benefits

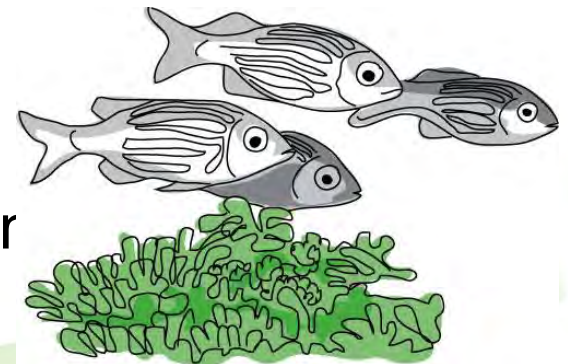


- Prevented release of an estimated 9,170 tons of air pollution



Saved an estimated 45,800 trees

- Prevented release of an estimated 35 tons of water pollution





# Environmental Benefits

- Saved enough energy to power roughly 1,440 households for a year





# Keeping the Green in Northern Michigan





# Emmet County Recycling

Elisa Seltzer, Director  
Emmet County Dept. Public Works  
[eseltzer@emmetcounty.org](mailto:eseltzer@emmetcounty.org)  
231 348-0640  
[www.EmmetRecycling.org](http://www.EmmetRecycling.org)

