



GET SMART!

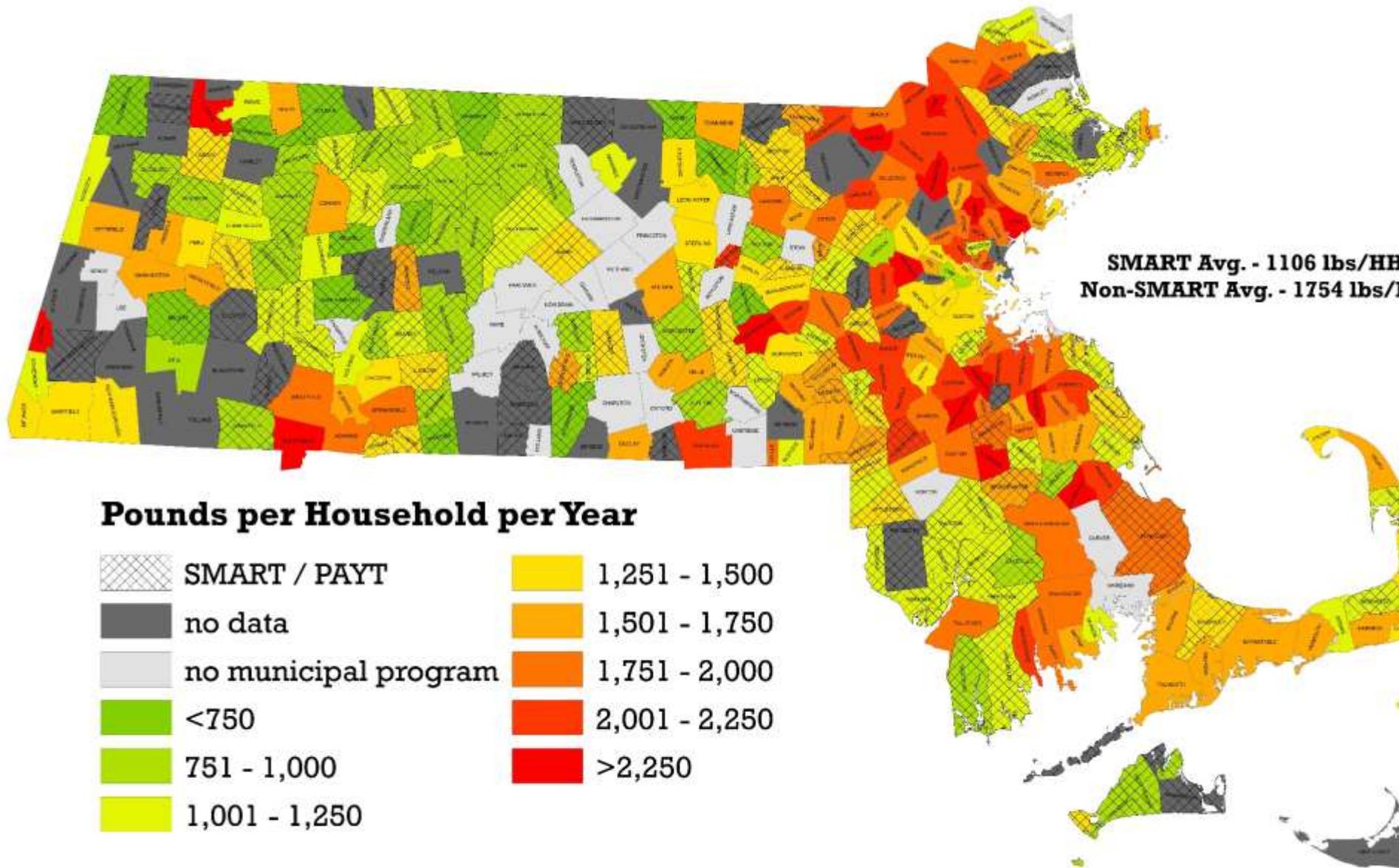
Save Money And Reduce Trash
with **SMART PAYT (Pay As You Throw)**



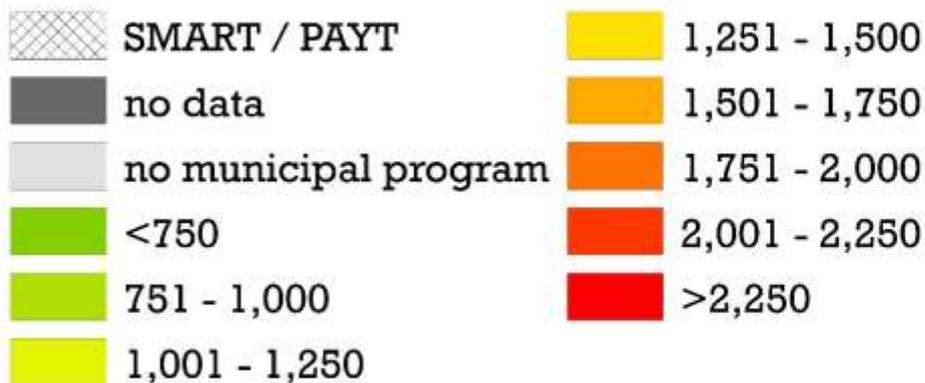
SMART/PAYT Presentation

State Perspective – Joanne Bissetta

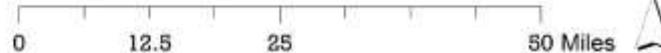
How Much Trash Did We Throw Out in 2013?



Pounds per Household per Year



Map by David Quinn; Tonnage/HH Data from MassDEP CY2013 Solid Waste and Recycling Survey & DEP Municipal Assistance Coordinators; Massachusetts Municipal Boundaries from MassGIS



DEP Supports SMART Because It Works

- Other approaches have been tried and help
 - Education
 - Single-stream recycling
 - More swap shops
- But, SMART/PAYT provides a consistent, equitable reminder that solid waste is not free.
- There are 144 communities in MA and 7000 across the US using PAYT.

Why Change Our System? Or, a short history of trash



19th C: SW was local, cheap, mostly organic material



20th C: SW was local, cheap, a mix of packaging and organic material so we learned to recycle.



21st C: LFs closed; SW trucked "away" at high "tip fees".

HOW?

- Change from black bags to unique SMART bags. SMART bags will be available in local retail stores, where you shop already.
- Bulky waste fees will remain unchanged.
- All TS sticker fees will be reduced.
- Bag sales will make up the loss of revenue and will reflect the actual tonnage.

Common Concerns

- Illegal dumping?
 - Over 140 towns across MA and over 7000 communities across the US have done this and seen little if any increase in illegal dumping.
- Why require plastic bags?
 - It is the one way to standardize the pricing to make sure it is equitable to all. Most people already purchase some size bags. The SMART bags would replace those bags.



Other Concerns

- Future of the Transfer Station

- This will help the Transfer Station continue to be Acton's one-stop for recycling and trash.

- No Attrition of Users to Private Haulers

- No significant attrition seen elsewhere
- DEP encourages tightening requirements on private haulers to ensure they are recycling.
- Private haulers charge \$360-\$480/year!

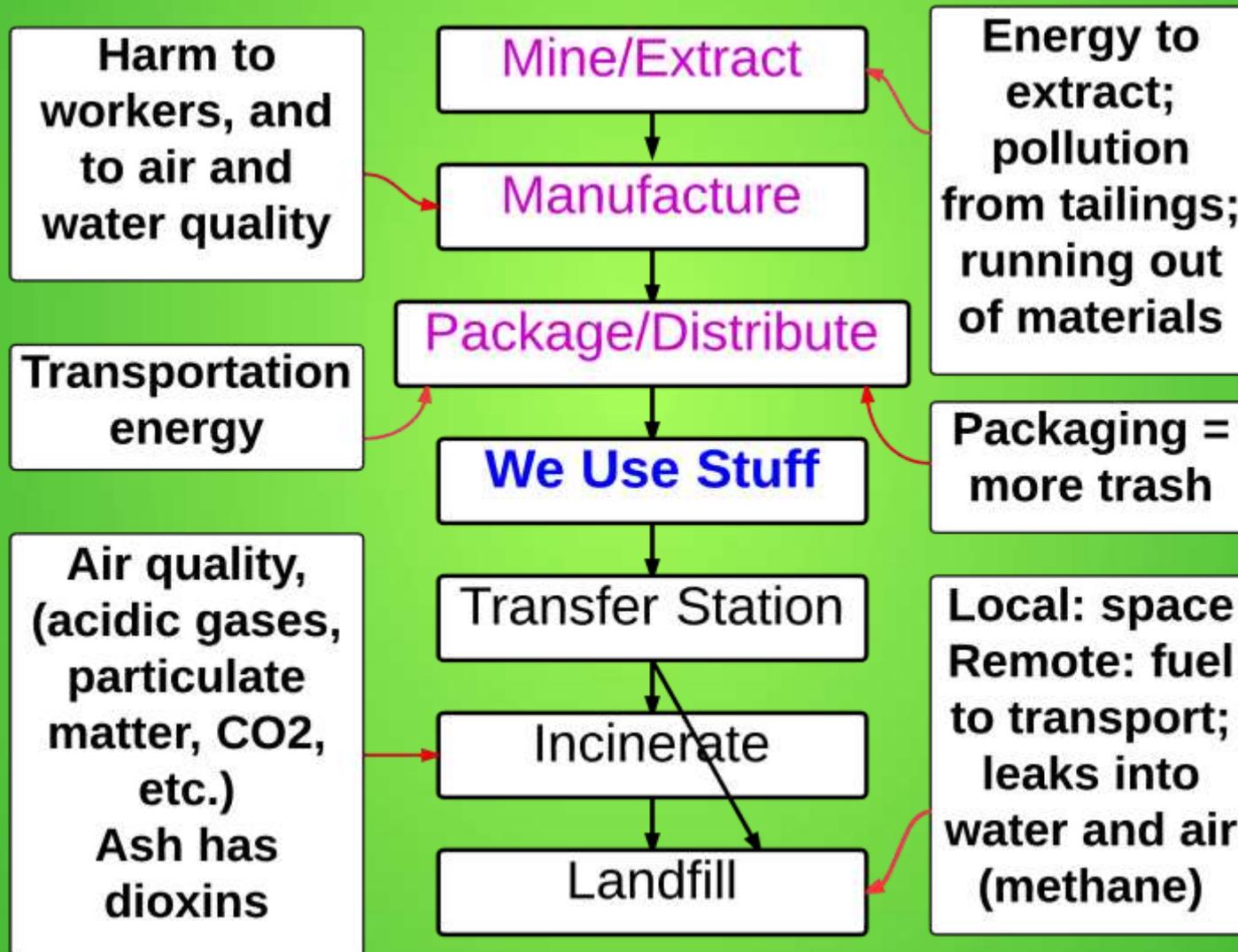
Start-Up Costs

- DEP grant funds are available to help cover any initial cost of bags or other start-up costs, if Town meets the requirements.
- DEP requires the Town to have a Private Hauler regulation to ensure that private haulers cannot undermine the TS by not offering recycling.

What's So Bad about Trash?

**Jim Snyder-Grant
Green Acton**

What's So Bad about Trash?



It's not WASTE until it's WASTED!



Data: Weighted averages from sample loads of in-state waste sent to six Massachusetts incinerators.

From: Municipal Waste Combustor Class II Recycling Program Waste Characterization Studies, February & March 2011, MassDEP

Info on Waste and Waste Reduction

MassDEP: www.mass.gov/dep/recycle/priosres.htm

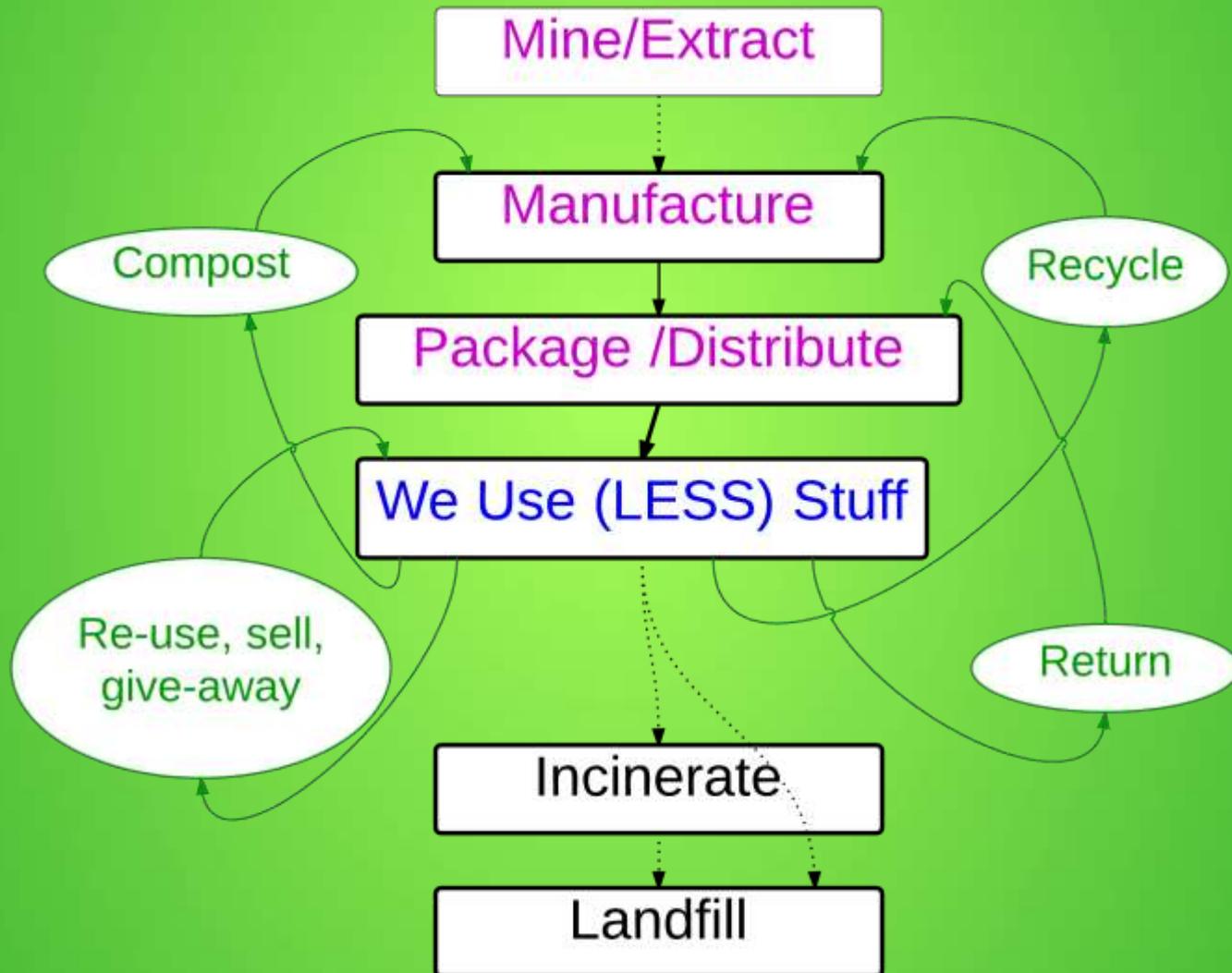
Zero Waste International Alliance: tinyurl.com/6r3guzs

EPA WasteWise: www.epa.gov/osw/partnerships/wastewise/wrr/rm.htm

Let's REUSE, RECYCLE, and COMPOST our resources.



25–50% Reduction in Trash Is A Huge Step in the Right Direction



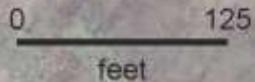
Transfer Station & Recycling Facility



Transfer Station



Gatehouse



Recycling Facility

Acton Transfer Station & Recycling Facility



Existing Program

- Sticker Fee - Access
 - Covers entire program
- Solid Waste Disposal
 - No limit for trash disposal
 - Additional costs for bulky items
- Recycling Collection
 - Waste Ban items collected
 - Materials diverted for recycling and reuse
 - New Swap Shop (*coming this spring*)

Acton Transfer Station & Recycling Facility



Existing Sticker Fees

- First Sticker \$210.00
- Second Sticker \$30.00
- Senior Citizen Sticker \$55.00
- Replacement Sticker \$10.00
- Recycling Only Sticker \$75.00
- Senior Recycling Only \$20.00

Acton Transfer Station & Recycling Facility



Coupon Fees

- Small Items \$5.00
- Medium Items \$10.00
- Large Items \$15.00
- Freon Items \$25.00
- Furnaces/Industrial AC Units \$40.00
- Piano/Organ \$75.00
- Carpets/Rugs \$20.00/room
- TVs & Computer Monitors \$25.00
- Hard Drives \$10.00

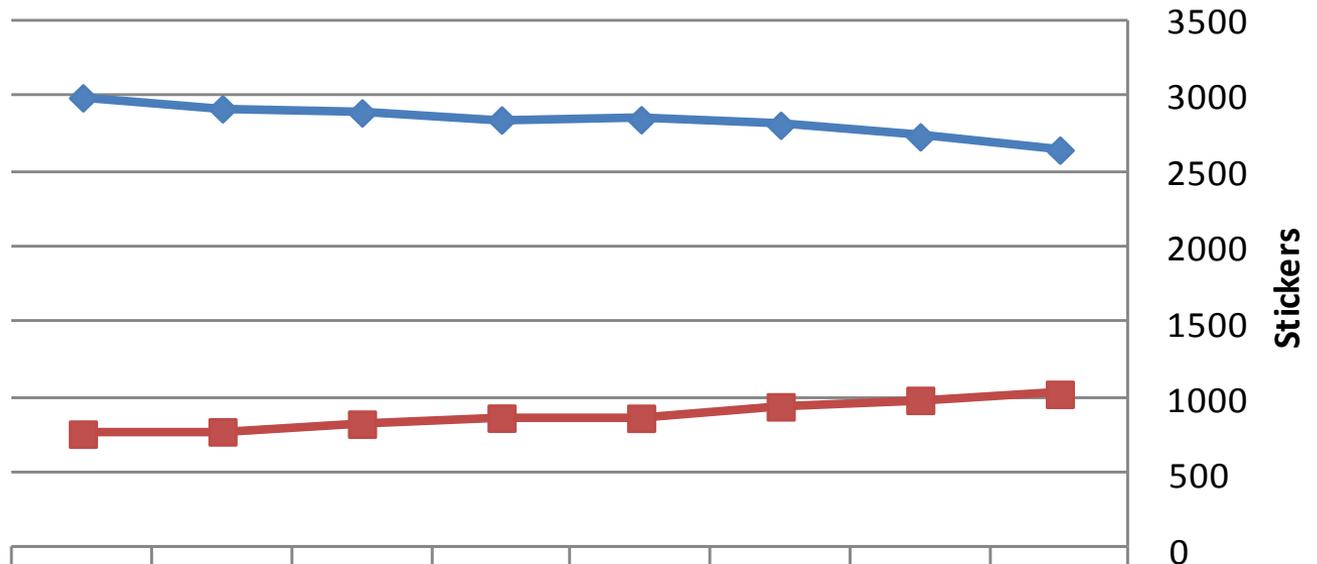
Acton Transfer Station & Recycling Facility



Transfer Station Sticker Sales

Existing Program
(Full Access - 1st Sticker & Senior Citizen)

	Full Access (1st Stickers & Seniors)
FY2014	3662
FY2013	3710
FY2012	3744
FY2011	3705
FY2010	3704
FY2009	3711
FY2008	3687
FY2007	3745
Average	3708.5



	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014
1st Sticker	2988	2915	2888	2841	2843	2806	2729	2641
Senior	757	772	823	863	862	938	981	1021

Acton Transfer Station & Recycling Facility



Proposed SMART/PAYT Program

- **Sticker Fee**
 - Covers operational costs
 - Personnel
 - Utilities
 - Capital
- **Acton SMART Bags**
 - Available in local stores
 - Covers solid waste costs
 - Bag cost
 - Hauling/tipping fees
 - Equipment Repair
 - Fuel



SMART/PAYT

Program Summary



- **Proposed Fees**
 - Sticker fees are **reduced**
 - Covers operational costs
 - **New** Acton designated SMART bags
 - Available for purchase at local retail stores
 - Covers hauling/tipping costs
- **Transfer Station**
 - Remains unchanged
- **Recycling Program**
 - Remains unchanged
- **Bulky Waste Collection Program**
 - Coupon fees remain unchanged

SMART/PAYT



How Much Will It Cost?

Proposed Sticker Fees

Users	Proposed Sticker Fee (without SMART)	Proposed Sticker Fee (with SMART)
1st Sticker	\$ 210.00	\$ 100.00
2nd Sticker	\$ 30.00	\$ 15.00
Senior	\$ 55.00	\$ 10.00
Replacement	\$ 10.00	\$ 10.00
Recycling	\$ 75.00	\$ 15.00
Senior Recycling	\$ 20.00	\$ 5.00

Proposed Trash Bag Fees

\$1.50	30-gallon bag
\$0.80	15-gallon bag
\$0.50	8-gallon bag

Acton Transfer Station & Recycling Facility



Projected Budgetary Impacts

	25% Trash Reduction	
	Existing Program	PAYT Program
Sticker Sales	\$ 613,110	\$ 275,221
Bag Revenue	\$ -	\$ 250,282
Coupons	\$ 37,030	\$ 37,030
Recycling	\$ 10,336	\$ 12,094
Metal Pile	\$ 7,715	\$ 7,715
Total Income	\$ 668,191	\$ 582,342
Total Expenditure	\$ 657,574	\$ 580,342
Total No. of Users	3,662	3,662
MSW (lbs)	7,070,000	5,302,000

SMART/PAYT

What Will it Cost?



- **Sticker Program**

- Without SMART

- Sticker Fee \$210

- With SMART Program

- Sticker Fee \$100
- SMART Bags \$110

Examples:

<u>Quantity</u>	<u>Type of Bag</u>
73	30-gallon bags, or
137	15-gallon bags, or
220	8-gallon bags

- **Senior Program**

- Without SMART

- Sticker Fee \$55

- With SMART Program

- Sticker Fee \$10
- SMART Bags \$45

Examples:

<u>Quantity</u>	<u>Type of Bag</u>
30	30-gallon bags, or
56	15-gallon bags, or
90	8-gallon bags

Transfer Station & Recycling Facility

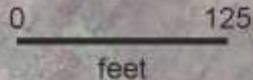


Transfer Station

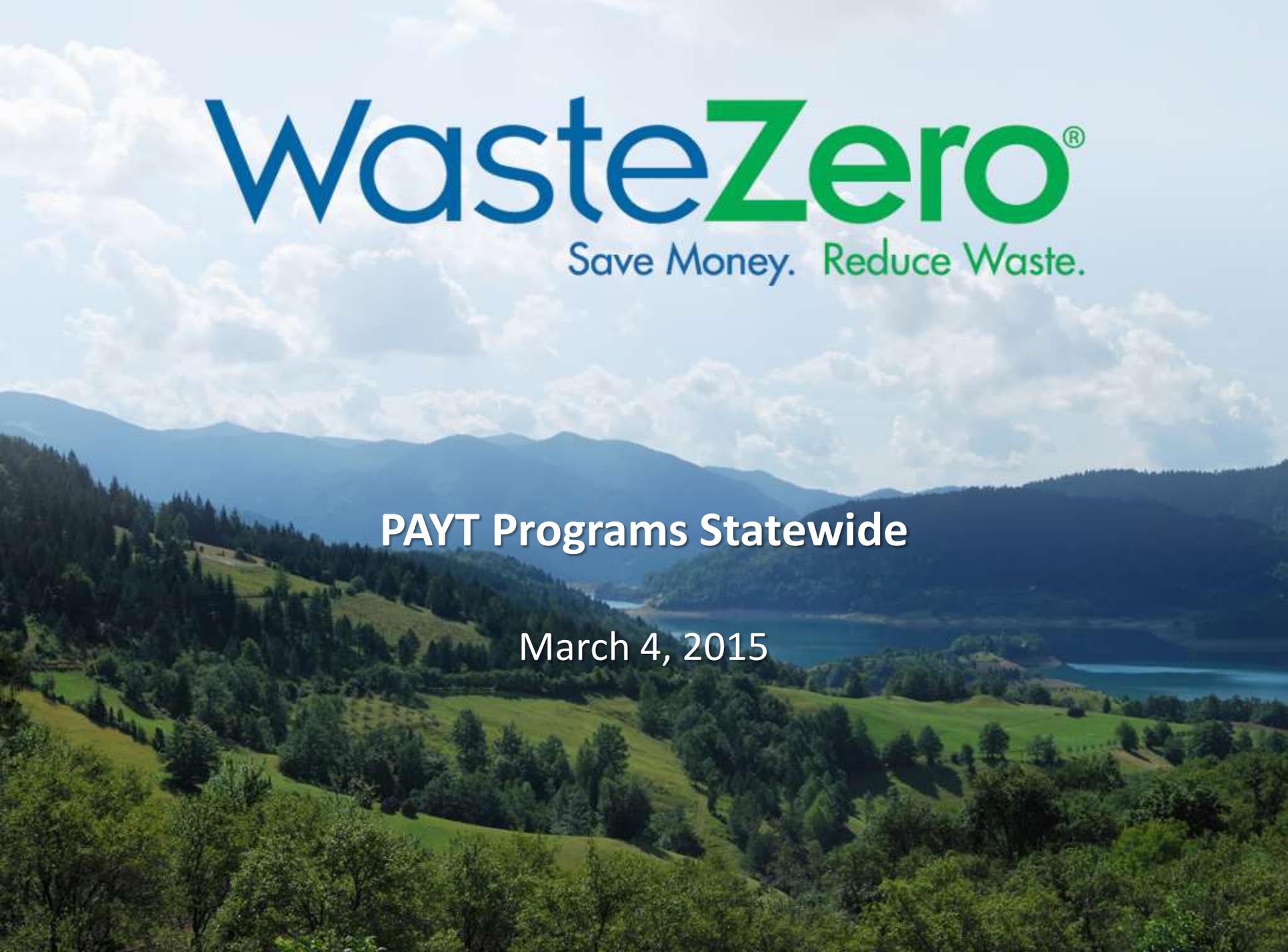
Thank you



Gatehouse



Recycling Facility

The image features a scenic landscape background with rolling green hills, a blue lake, and distant mountains under a blue sky with white clouds. The WasteZero logo is prominently displayed at the top, with the word 'Waste' in blue and 'Zero' in green. Below the logo is the tagline 'Save Money. Reduce Waste.' in a smaller font, with 'Save Money.' in blue and 'Reduce Waste.' in green.

WasteZero[®]
Save Money. Reduce Waste.

PAYT Programs Statewide

March 4, 2015

WasteZero: Who We Are and What We Do



In business since 1991, we are 100% focused on reducing waste, increasing recycling and improving efficiency in cities and towns across the US.



Our specialty is implementing municipal waste reduction and recycling programs tailored to the needs of the communities we serve.

We are the largest waste reduction company in the USA, with more than 800 municipal partners nationwide and more than 90 in MA, including neighboring Littleton and Groton.

We are a certified B Corp and are ranked the 11th best company in the world for the environment.

SMART/PAYT Programs Statewide

- There are an estimated 140 communities with SMART/PAYT programs in Massachusetts.
- SMART/PAYT communities generate substantially less trash – 44% less, on average – than non-SMART/PAYT communities. This results in significant savings for municipalities and residents.
- The environmental benefits of SMART/PAYT are significant. Less waste and more recycling means
 - reduced natural resource depletion
 - lower energy use
 - fewer carbon emissions
 - fewer toxins in our air and water.

SMART/PAYT Program Impacts

- On average, bag-based SMART/PAYT programs reduce trash by 44%, saving money in disposal costs and increasing recycling.
- While trash tonnages drop by 44%, trash volume drops by significantly more. Residents will use fewer than ½ the trash bags they are using today.
- A family of four can comfortably use one large bag per week. On average, across the US and MA, SMART/PAYT households use 1 ¼ bags per week.

The Bags

Our mission as a B Corp is to improve the environment and to support American prosperity. Our bags:

- Are manufactured with recycled content in our state-of-the-art factory in the United States
- Help towns save money, allowing resources to be re-deployed to value-added investments, rather than paying to throw recycling in the trash
- Help increase employment in recycled material processing and re-manufacturing

The bags drive recycling –

- SMART/PAYT is projected to increase overall recycling and waste diversion by nearly 600 lbs. per household per year.

Results with SMART/PAYT programs in MA (transfer station)

Sandwich, MA

20,675 residents

SMART/PAYT began in 2011

Sticker fee went from \$110 to \$55

48% reduction in trash

Recycling doubled

Brewster, MA

9,820 residents

SMART/PAYT began in 2013

Sticker fee went from \$110 to \$45

47% reduction in trash

27% increase in recycling

Littleton, MA

8,924 residents

SMART/PAYT began in 2010

Sticker fee went from \$300 to \$100

50% reduction in trash

Needham, MA

28,911 residents

SMART/PAYT began in 1998

40% reduction in trash

30% increase in recycling



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