

Recycle Florida Today, Inc. 2008 Annual Conference & Exhibition

*TradeWinds Resort
St. Pete Beach
June 1st through 4th*

Introductory Remarks -

*Phil Bresee
Chair, Recycle Florida Today, Inc.*

<http://www.recyclefloridatoday.org/>



Special Thanks from the RFT Chair!

- Pam Shoemaker and the RFT Conference Committee
- Conference speakers and presenters
- SWIX
- RFT's Board of Directors
- Last but not least, RFT membership and conference attendees



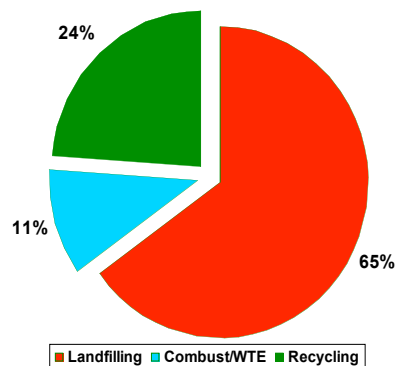
The State of RFT?

- The state of RFT is fundamentally strong, with year-over-year increases in:
 - ✓ Revenues
 - ✓ Sponsorships
 - ✓ Winter Issues Forum and Annual Conference attendance
- Improved communications
- Increased outreach and issue advocacy



The State of Recycling in Florida?

MSW Management in Florida - 2006



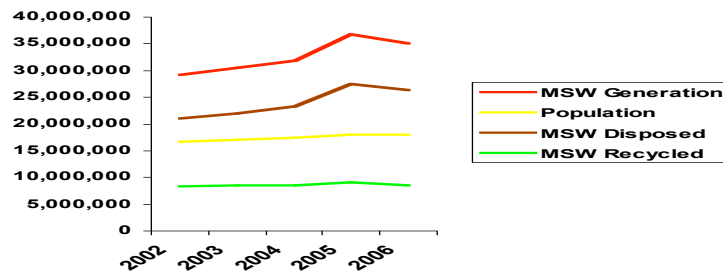
Source: Florida Dept. of Environmental Protection

- Florida generated nearly 35 million tons of Municipal Solid Waste (MSW) in 2006.
- MSW managed through:
 - Landfilling = 22.5 million tons.
 - Recycling / Recovery = 8.6 million tons.
 - Combustion / WTE = 3.8 million tons.
- Fewer Florida counties with populations exceeding 100,000 reached the 30% recycling goal.



The State of Recycling in Florida?

Florida MSW Trends vs. Population Growth:
2002-2006



Data Source: Florida Dept. of Environmental Protection.



MSW Generation Trends in Florida



- What's behind the trends in MSW generation?
 - Florida's MSW reporting methodology (C&D).
 - Hyper-active hurricane seasons in 2004-05.
 - It's the economy, stupid:
 - MSW generation trends frequently mirror overall economic trends.
 - C&D increased as part of State's building boom in early to mid 2000's (up 87% in S. Florida from 2001-2005).
 - Tourism-driven economy.



The Future of Recycling is Bright!

- Despite its recent flat-lining, the future of recycling in Florida is promising:
 - Universal acceptance that global climate change is real and that energy policy matters.
 - Growing recognition among policy makers that recycling provides key greenhouse gas (GHG) emissions reduction benefits.
 - Political leadership.



The Future of Recycling is Bright!

- Recycling and waste reduction can be effective tools for reducing GHG by:
 - Reducing / eliminating emissions from raw materials extraction.
 - Reducing emissions from energy consumption during manufacturing.
 - Reducing emissions from incinerators and WTE plants.
 - Reducing methane emissions from landfills.
 - Increasing carbon sequestration (paper recycling).
- Recycling life-cycle studies are key part of US Senate's Climate Security Act (Carper Amendment).

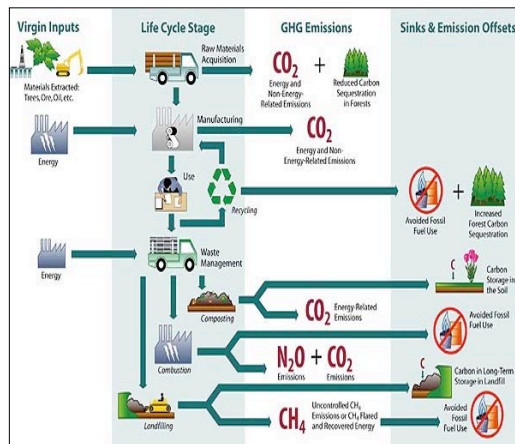


Illustration courtesy of US EPA



The Future of Recycling is Bright!

- Based on Nationwide recycling rate of 32% of MSW in 2005, estimated benefits were:
 - Avoided GHG emissions of 183 million metric tons of CO₂e which is equivalent to emissions from:
 - 930,000 railcars of coal burned, or
 - Annual electricity usage by about 23.5 million households.
 - Energy conservation benefits equal to:
 - Removing 17 million cars from the road for 1 year.
 - Saving the use of 240 million barrels of oil.
- Using EPA modeling for Florida in 2006 shows GHG emissions avoidance of about 8 million MTCE and equivalent energy savings to power 1.3 million households per year.

Sources: US EPA; B. Dorn, RW Beck

Recycling 500 Tons Of...	= GHG Reduction Of...	Equal to Removing # of Cars from Road for 1 Year
Paper	339 MTCE	259 cars
Aluminum	2,055 MTCE	1,569 cars
Glass	38 MTCE	29 cars
HDPE	192 MTCE	147 cars
Corrugated cardboard	354 MTCE	270 cars

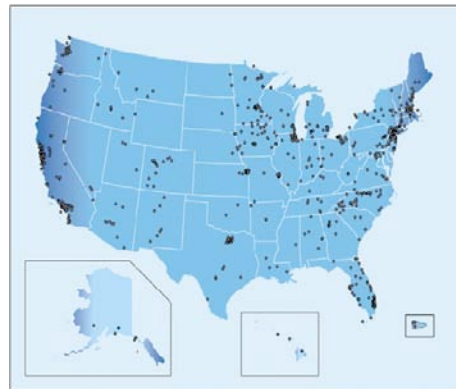
Source: US EPA WasteWise Update, *Global Warming is a Waste!*



The Future of Recycling is Bright!

- U.S. Conference of Mayors Climate Protection Agreement identifies recycling as action signatories should take. U.S. communities beginning to identify – and quantify - recycling and waste reduction activities as part of their GHG reduction strategies.
 - Seventy-two Florida cities have signed.*

Map of cities who have signed on to US Mayors Climate Protection Agreement (852 as of 5/6/2008):



The Future of Recycling is Bright!

- More activity and debate related to recycling by the Florida Legislature this past session.
- House Bill 7135 poised to fundamentally change the way MSW is managed in Florida.
 - 75% recycling goal by 2020.
 - County composting goals.
 - Green Purchasing.
 - Enhanced education.

Bills Addressing "Recycling"		
<u>Session</u>	<u>Senate</u>	<u>House</u>
2008	18	13
2007	15	10
2006	7	9



The Future of Recycling is Bright!

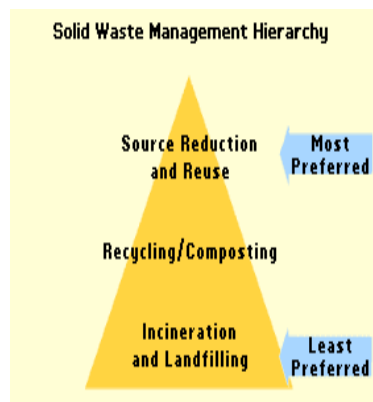
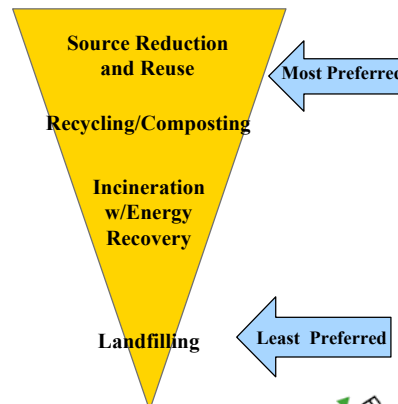


Illustration courtesy of US EPA.

New & Improved Solid Waste Management Hierarchy



Conclusions

- Recycling is a demonstrated environmental protection success story with environmental and economic benefits.
- Is a “low-hanging fruit” for cities and counties to use to help reduce their carbon footprints.
- Many environmental goals can seem abstract. However, recycling allows for hands-on and visible opportunity for citizens and businesses to help their environment.
- Recycling is also seen as a “gateway” to other positive environmental behaviors.
- Recycling needs to have a seat at the climate change table.



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Welcome Governor Charlie Crist!

