LESS IS LESS: GARBAGE IN AMERICA
“Commissioners discuss solid waste shortfall.”
MSW GENERATION RATES

1960 to 2011

WHAT COULD HAVE BEEN

• 1990: 208.3 million tons
• 2000: 286.2 million tons (projected)
• 2000: 243.5 million tons (real)
• 2000: 42.7 million ton shortfall
WHAT COULD HAVE BEEN

• 2000: 243.5 million tons
• 2010: 284.6 million tons (projected)
• 2010: 250.4 million tons (actual)
• 2010: 34.2 million ton shortfall
WHY LESS WASTE?

- Evolving ton
- Source reduction
- Zero waste
- Recession?
- Recycling/composting?
THE EVOLVING TON

• Less paper
• More plastic
• Electronics
• Future products?
SOURCE REDUCTION

EPA 1996: 23.2 million tons less:
• Avoiding the curb
• Lightweighting
• Reuse
ZERO WASTE

• “Zero waste” means?
• 100+ communities
• Smart capitalism
COMPANIES

- Kroger
- Honeywell System Sensor
- MillerCoors
- General Mills
- Subaru
- General Motors
- AB InBev
- Dell
- Unilever
- Proctor & Gamble
- Ford
- Volvo
- Toyota
- Bridgestone
- Southern Tier Brewing
- Walmart
- NY State Legislature
- Kona Brewing
• Increase diversion to 65% by 2013, AD facility
• Defect rate down by 80%
• No waste to landfill
• Donated food waste…decreased overall generation by 40%
• Auto production plant landfill free
• Zero waste to landfill at 116 facilities, 45 in North America
• Reduce packaging use by 100,000 tons annually by 2017
• Waste-free packaging by 2020
• Reduced waste by one million household bins
• Zero waste to landfills at 45 factories
• Five year plan to reduce waste by 40% per vehicle
• Zero waste to landfill
• 95% reduction in waste to landfills all North American plants, averaged over 3 years
• Two tire manufacturing plants zero waste to landfill
• Spent brewery grains to animal feed instead of landfill
• 80 percent waste reduction, increase use of recycled plastic
• Publish bills electronically, not on paper
• 11% lighter glass beer bottles
MANAGEMENT TRENDS

1960 to 2011 (million tons)

RECOVERY RATES

1960 to 2011

• Composting tonnage up 4,250,000 tons
• Composting rate up 26%
• Feeding America
• AD limited
FOOD WASTE CHALLENGES

- Quality & quantity
- Regulations
- Collection
- Processing
- End markets
FUTURE

• Less waste
• Less disposal
• Evolving material mix
• Continued zero waste by industry