

# Waste Management

Recycling Policy and Legislation

A Changing Industry - Balancing Regulations and Innovation

**THINK GREEN.®**



# Company Overview



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- WM is the largest provider of residential recycling and solid waste services in North America
- We collect over 8.5 million tons of recyclables each year and operate 106 recycling facilities
- We are the industry leader in innovation
- Our 43,000 employees serve nearly 20 million customers

# Approach to Materials Management

- We don't manage "waste," we manage "resources."
- We focus on developing sustainable solutions to materials management. These solutions must be environmentally and economically sustainable
- We are striving to minimize our customers' and our own impacts on the environment, and to maximize the value of the materials we manage
- To be sustainable, our solutions must meet the varying needs of the communities and customers we serve across the country

**Our Goal:**  
To minimize  
environmental  
impact while  
extracting the  
highest value  
from the  
materials we  
manage.

# WM's Sustainability Initiatives will:

- Nearly double the amount of recyclables we collect to 20 million tons per year
- Decrease fleet emissions by 15% and improve fuel efficiency by 15% over the next 10 years
- Double the amount of renewable energy we produce
- Dedicate 25,000 acres to wildlife preservation at 100 of our sites - achieved at the end of 2010

# Focus on Sustainable Growth

- **Recycling Technologies.** WM will continue to increase recycle - organics, e-waste, construction debris, etc.
- **Renewable Energy.** WM will continue to grow renewable energy business
- **Conversion Technologies.** WM will invest in innovative technologies that find new value in waste materials

# Single Stream Recycling



- Single-stream recycling greatly increases participation - on average up to 50 percent more recyclable materials
- Helps lower costs and emissions by reducing transportation while capturing new volume
- Employs advanced recycling technology including magnets, screens and optical scanners to automate the sorting of recyclables
- Improves local recycling programs by increasing capacity while maintaining material quality



# E-Waste Recycling



- Fastest growing commodity in the waste stream
- In 2009, WM processed 12 million pounds of e-waste
- WM operates over 214 eCycling collection depots North America, with a goal of having a recycling center within 20 miles of 95 percent of the population
- Founder of the Basel Action Network's E-Stewards Program and adopted the R2/RIOS standards



# Organics



- Demand for compost services growing as consumers are increasingly demanding alternatives to conventional fertilizers for lawn and garden care
- Municipalities and companies are seeking to increase the recycling of organic materials for beneficial use
- Organic compost is considered a part of the green retail market, which has been growing at 20 percent annually
- Develop innovative anaerobic digestion technology to accelerate the decomposition of organic materials that may produce renewable energy

# Recent Legislation in Colorado:

- ***Sharps Legislation*** - Bill would ban all needles from the waste stream
- **Colorado Statewide Diversion Goal** - Bill set goals for metro area communities to reach and then would impose penalties for not reaching those targets
- **Bottle Bill** - Bill sets an amount for a deposit that would be paid back to the consumer when recycling or returning it to a deposit center.
- **Local Waste Contracts Bill** - this bill would have mandated that all municipalities go to a vote of the people for contracting trash services

# Colorado's E-Waste Bill SB 12-133

In order to encourage recycling of electronics and to protect the environment in Colorado, a new law bans landfill disposal of certain electronic devices after July 1, 2013.

## What Electronics are Banned from Landfills?

Computers, Computer monitors, DVD players, Electronic books, Fax machines, Laptops, Notebooks, Netbooks, Ultrabooks, Peripherals, Printers, Slates and tablets, Televisions, VCRs, Video display devices, any electronic device with a cathode ray tube

# Future Legislation and Policy trends in Colorado and the West:

- *CNG* Incentives Legislation
- PAYT (Pay as You Throw)
- Expansion of the Renewal Portfolio Standard
- Organics and Composting
- Diversion Goals for Cities and Counties

# Balanced Regulation at all levels

- Waste Management believes strongly in a robust regulatory environment...

*“A rising tide lifts all boats.”*

- Municipalities need flexibility to create communities that reflect their shared goals and values
- States must protect the environment and work on issues of statewide interest

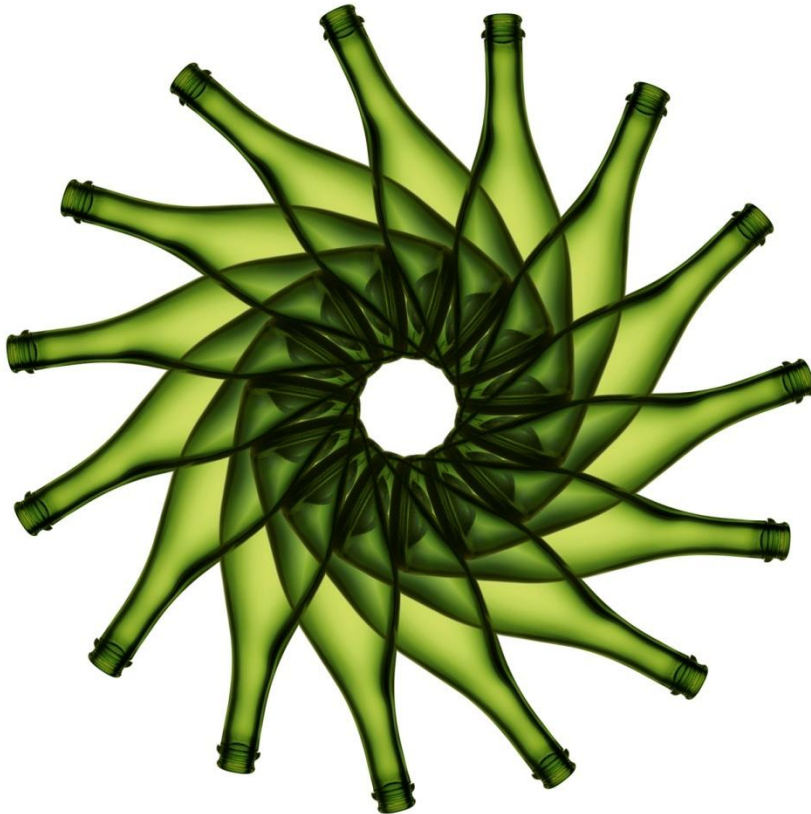
# Summary

- **WM is investing in clean energy and technologies..** These technologies will help to create more value from the material we manage. They will generate renewable energy and renewable energy that can reduce our reliance on foreign oil while reducing greenhouse gas emissions.
- **There is no “single solution.”** We expect to develop a suite of technology solutions over time.

We hope to work with our local community partners to divert more material to higher value uses - by recycling more, creating energy and renewable fuel.



# Closing Comments, Questions?



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