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Does Your Solid Waste Management Plan Need a Makeover?

September 16, 2015
Lori Scozzafava, Vice President
Gershman, Brickner & Bratton, Inc.



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One Thought Before We Get Started . . .



“Solid waste planning is essential to any successful integrated system – but it’s a process, not a document. The key is to build the document from the process.”

GBB specializes in creative, strategic guidance and development- for integrated solid waste system services and infrastructure.



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~~Does Your Solid Waste Management Plan Need a Makeover?~~

YES!

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WHY MIGHT YOUR SWMP NEED A MAKEOVER?

WHEN DOES YOUR SWMP NEED A MAKEOVER?

WHAT SHOULD YOUR UPDATED SWMP CONTAIN?

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Why?

Change is
Constant
and
Inevitable

- Regulation Changes
- Technology Advancements
- Need for System Improvements
- Waste Stream Changes
- Changing Demographics
- New Policy Initiatives
- Documents the Process & Sets Goals





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When?

- It's only 14 pages
- Photos are all in black and white, or the type looks like this
- It doesn't address waste diversion
- Lacks milestones, goals, or ways to evaluate its success



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California - MSW allowed as engineered fuel to power cement kilns; new goal of 75 % diversion

Vermont - Universal Recycling Act requires diversion of food waste, yard waste, and wood debris from landfill, continued EPR and e-waste laws

Massachusetts - ban on disposal of food and yard waste, policies to encourage growth of AD

Rhode Island - beginning Jan. 1, 2016, required separation of organic waste including food scraps and composting or other beneficial reuse

Connecticut - Ban of commercial food waste from landfills for generators of two or more tons of food waste

Florida - Waste-to-energy is considered recycling

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When?

It Depends

- Minor vs. Major Update?
- Influenced by Public Hearing Requirements
- Sometimes Dictated by New Laws
- Budget Considerations
- Timing of Significant Contracts
- Major Update Every 10 Years Recommended


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Don't Let This Happen to Your SWMP



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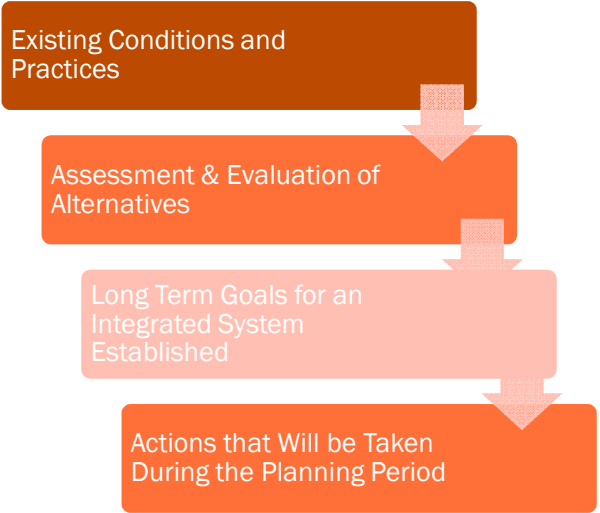
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What?

The Basics



Existing Conditions and Practices

Assessment & Evaluation of Alternatives

Long Term Goals for an Integrated System Established

Actions that Will be Taken During the Planning Period

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What?

Other Things to Consider

Collection

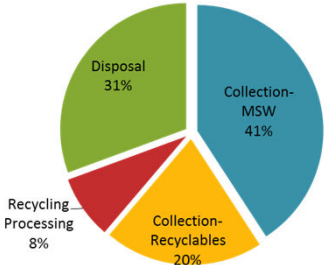


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System Costs

Cost of Collection Can Be 61% of Your System's Total Cost



Category	Percentage
Collection-MSW	41%
Disposal	31%
Collection-Recyclables	20%
Recycling Processing	8%



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- All Customers
 - Not Just Residential
 - Commercial/Institutions
 - Multifamily
- Look at Latest Methods
 - Automated
 - Single Stream Recycling
 - Organics



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What?

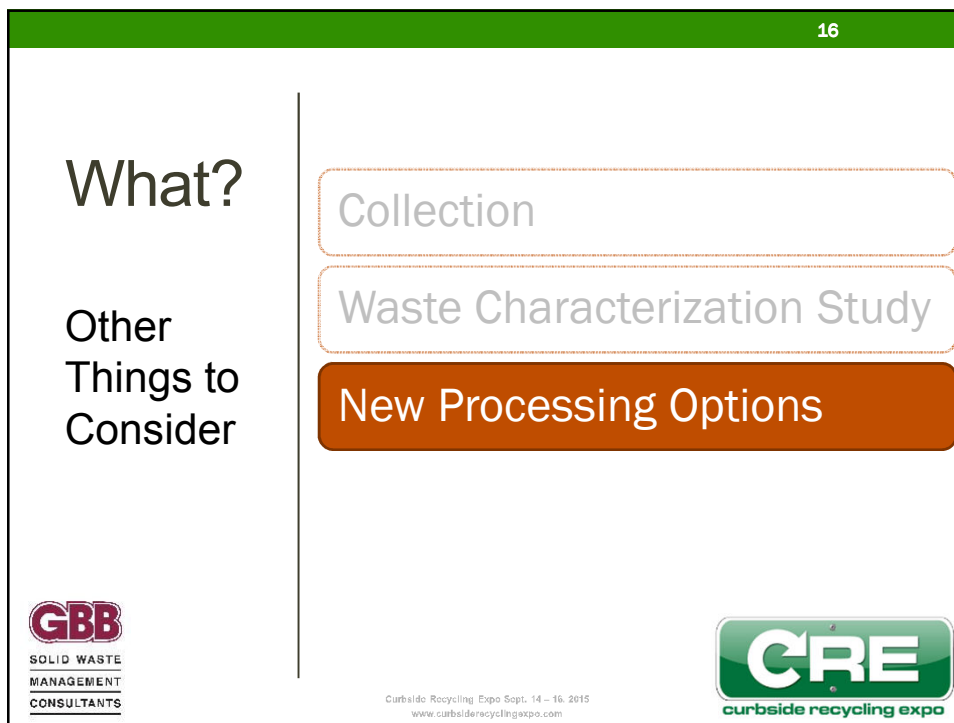
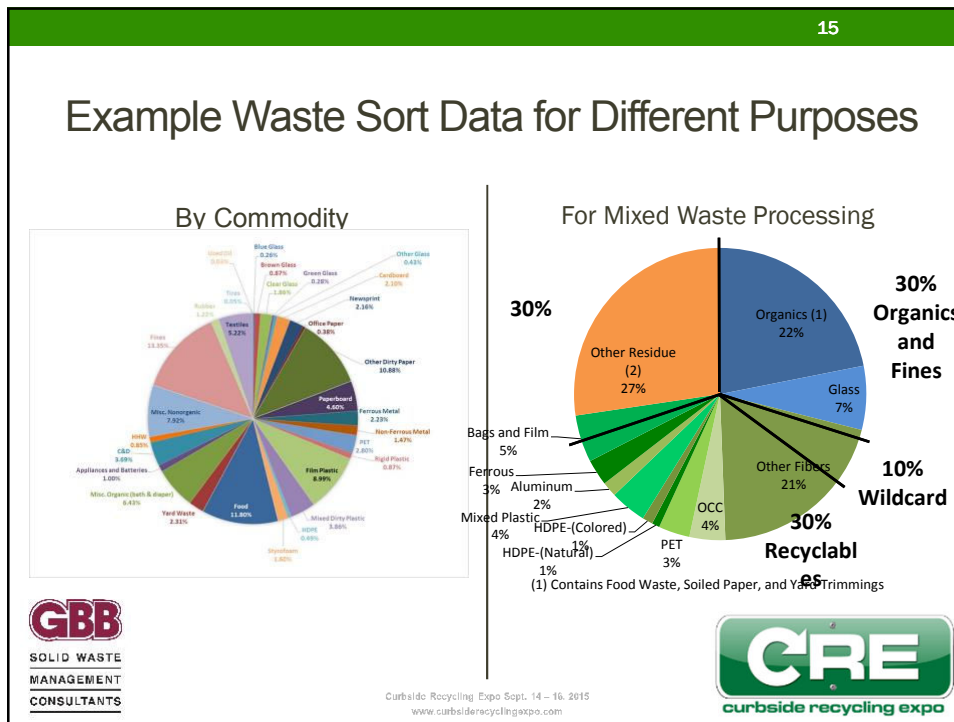
Other Things to Consider

Collection

Waste Characterization Study



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Processing Options



Mixed Waste Processing

Anaerobic Digestion

Organics Recycling

Source: RRS

Source: NERC

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What?

Other Things to Consider

- Collection
- Waste Characterization Study
- New Processing Options
- Link Plan With Other Environmental Initiatives

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Link Plan With Other Environmental Initiatives

- Sustainability Plan
- Zero Waste Plan
- Climate Change Action Plan





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What?

Other Things to Consider

- Collection
- Waste Characterization Study
- New Processing Options
- Link Plan With Other Environmental Initiatives
- Better Stakeholder Participation



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Better Stakeholder Participation

- Should not be developed by staff only
- Need input & buy-in of stakeholders
 - Haulers
 - Processors
 - Business Community
 - Homeowners
 - Multifamily
 - Elected Officials



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Conclusion

- Do Give Your Solid Waste Management Plan a Makeover
- But, after considering
 - Why
 - When
 - What it Should Contain
- Remember that It's a Process



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THANK YOU

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