

U.S. Solid Waste Management Programs/Facilities* Program/Facilities 2000 2002 2004 2008 Gurbaida Bararara 0.700 0.077 7.600 ***

Program/Facilities	2000	2002	2004	2008
Curbside Program	9,709	8,875	7,689	* *
Yard Trim Facilities	3,846	3,227	3,474	* *
Landfills (MSW)	2,142	1,767	1,654	* *
Incineration	132	107	109	**
Landfills (C&D)	1,825	1,931	1,574	**
Transfer Station	3,970	3,895	3,744	**

*Source: BioCycle, State of Garbage; various years

** Watch for publication in near future

SIE NI



Regulations and Trends

- Federal
 - Resource Recovery and Conservation Act
 - Resource Conservation Challenge (RCC) 35 percent recycling priority
 - Waxman-Markey Bill
 H.R. 2454 Substitute (proposed) renewable energy requirements and carbon credits
 - Executive Order 13514 "Federal Leadership in Environmental, Energy, and Economic Performance"
 - 50-percent recycling and waste diversion by 2015
 - Using printing/writing paper containing at least 30-percent post-consumer content
 - Defines ``renewable energy" to include landfill gas and derived from municipal solid waste
- States
 - Anywhere from none to 70 percent recycling goals
 - A few states have incineration ban

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U.S. Solid Waste Management Programs*/Facilities Trends***

Program/Facilities	2004*	2008*	2010***	2020***
Curbside Program	7,689	* *	8,000	8,000
Yard Trim Facilities	3,474	* *	3,600	4,000
Landfills (MSW)	1,654	* *	1,500	1,250
Incineration	109	**	109	135
Landfills (C&D)	1,574	**	1,500	1,250
Transfer Station	3,744	**	3,800	4,000

MRFs (per GAA) 2002- 462 2006-539 600 700

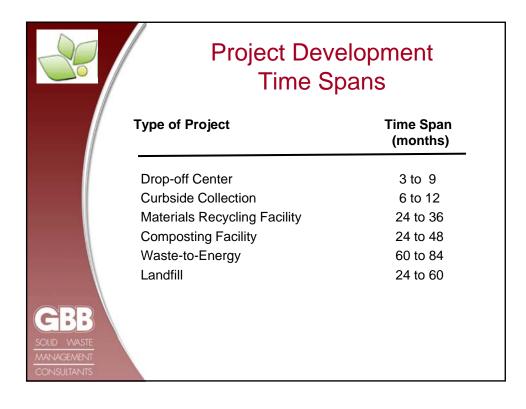
*Source: BioCycle, State of Garbage; various years

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*** GBB, October 2009

SOLID WASTE

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4. Ownership Structures

Site Ownership	Asset Ownership	Common (Yes/No)
1. Public	Public	Yes
2. Public	Private*	Yes
3. Private	Private	Yes
4. Private	Public	No

* If lease, needs to be longer than debt secured by asset; rules involved if tax-exempt debt

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5. Establishing Relationships with Site Owners

- Outright sale/purchase arrangements
 - Option to purchase common, subject to permitting
 - Agree on a price
 - Subject to fair market value appraisal if public taking involved
- · Lease/Royalty arrangements
 - Lease term equal to or greater than useful life and/or term of debt
 - Site returned to owner at end of lease with site in original condition
 - Royalties related to waste deliveries, e.g. \$ per ton
- Host community agreements
 - Financial benefit to hosting jurisdiction or neighborhood
 - For either publicly or privately owned assets
 - Can be a payment in lieu of property taxes or in addition to property taxes
 - Sometimes set by State law
 - Ranges from \$1 to 8 per ton, subject to escalation
 - No or low cost disposal services sometimes included

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6. Trends in the Structure & Terms of Supply Agreements

- With local governments
 - Can be 20 to 30 years
 - Pricing includes price adjustments
 - For WTE, often formularized service fee so that debt service is covered
 - For WTE, when debt and initial term completed, market/negotiated rate with pricing adjustments
 - For MRF services, credit for current value of recyclables often included
 - For WTE or landfill, minimum annual tonnage requirements or everything net of recycling in a defined service area
- With private parties:
 - Often spot arrangements at an agreed upon price
 - Terms typically 3 to 5 years with price adjustments and minimum annual tonnage requirements or everything net of recycling in a defined service area

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7. Questions & Answers

Thank You!

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1. What kind of relationships are site owners looking to establish with Project Developers?

