



The Opportunities and Challenges
of Food Waste to Energy in the US

Food Waste-To-Low Carbon Energy Conference
April 28, 2016

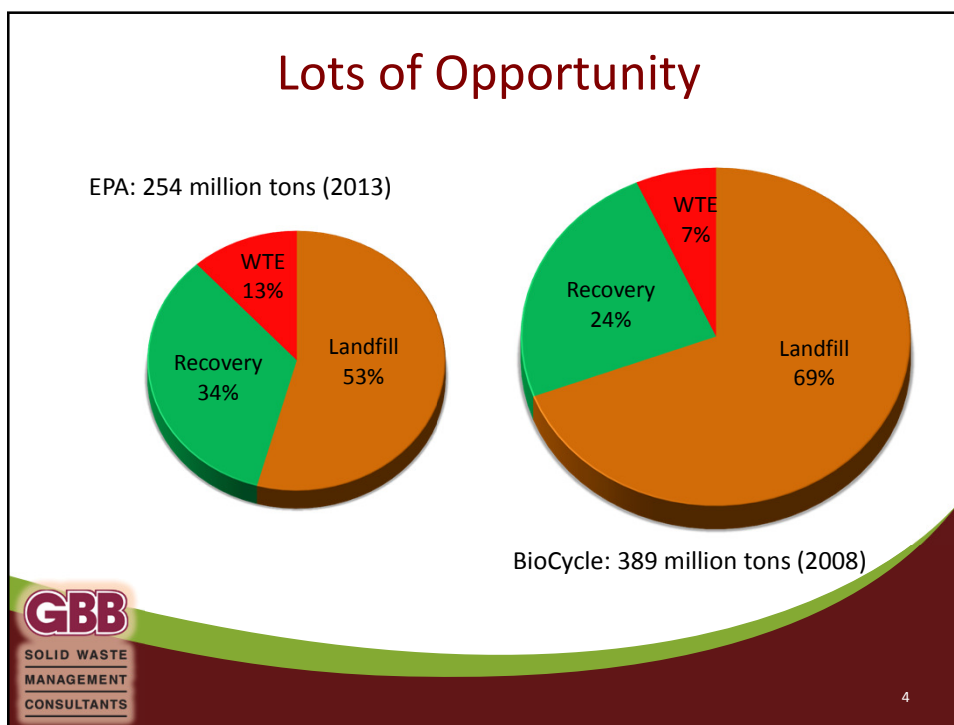
John Carlton, PE, BCEE
Gershman, Brickner & Bratton, Inc.

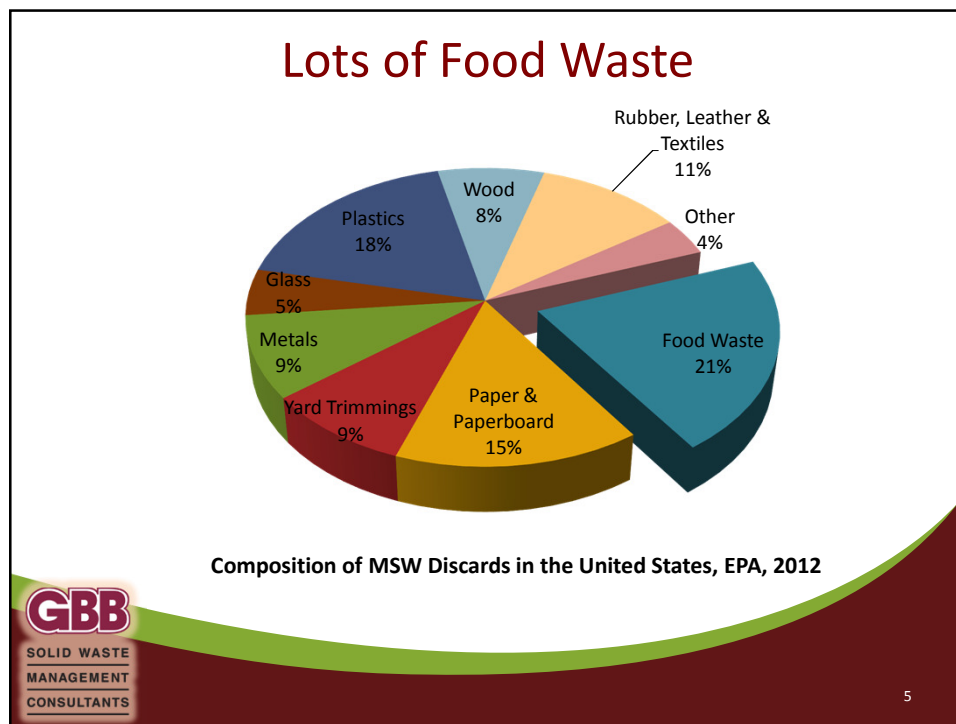


- Quality – Value – Ethics - Results
- Established in 1980
- Solid Waste Management and Technology Consultants
- Helping Clients Turn Problems into Opportunities



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Material	1992	2012	Difference 1990-2012
Food Waste	8.4%	21.1%	+12.7%
Wood	7.4%	8.2%	+0.8%
Yard Trimmings	18.4%	8.7%	-9.7%
Total Organics	34.2%	38.0%	+3.8%

Composition of Organics in MSW Discards in the United States,
1992 and 2012, USEPA

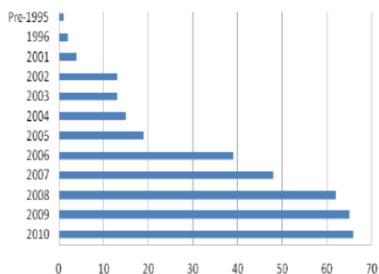
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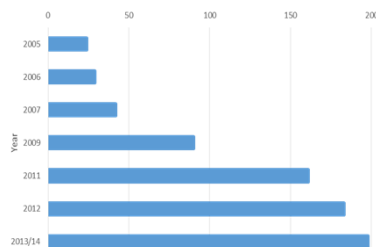
Growth of Food Waste Collection Programs in the US

Number of Commercial Food Waste Collection Programs



Source: Best Management Practices in Food Scraps Programs, US EPA Region 5, 2011.

Number of Municipalities with SSO Food Waste Collection Programs



Source: Biocycle Nationwide Survey: Residential Food Waste Collection in the US; Rhodes Yepsen, BioCycle, January 2015, Vol. 56, No. 1, p. 53.



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Food Waste Disposal Bans



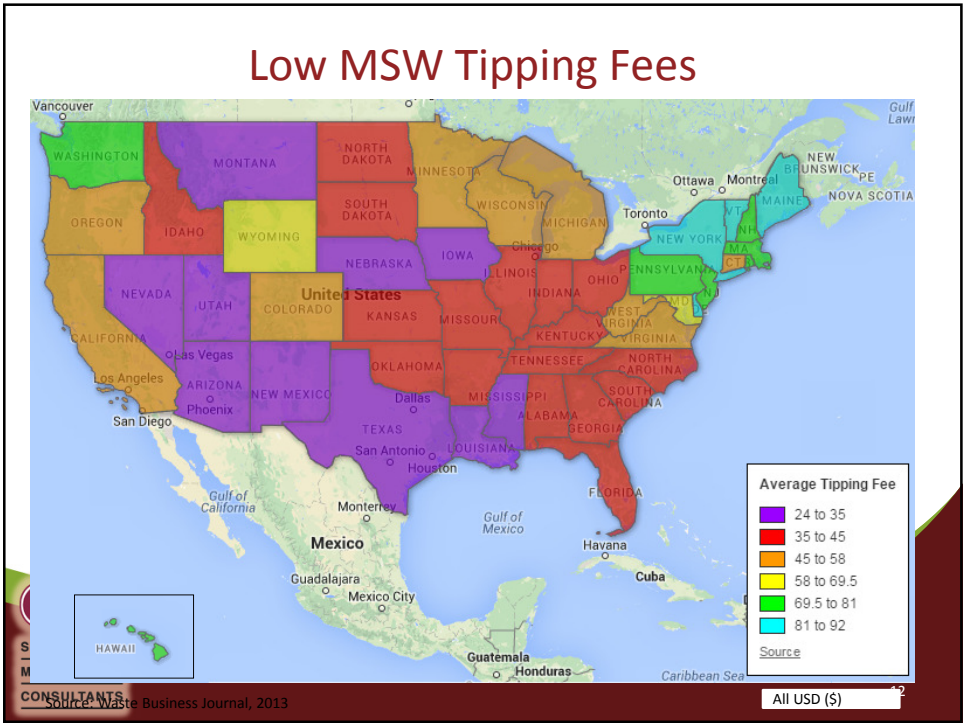
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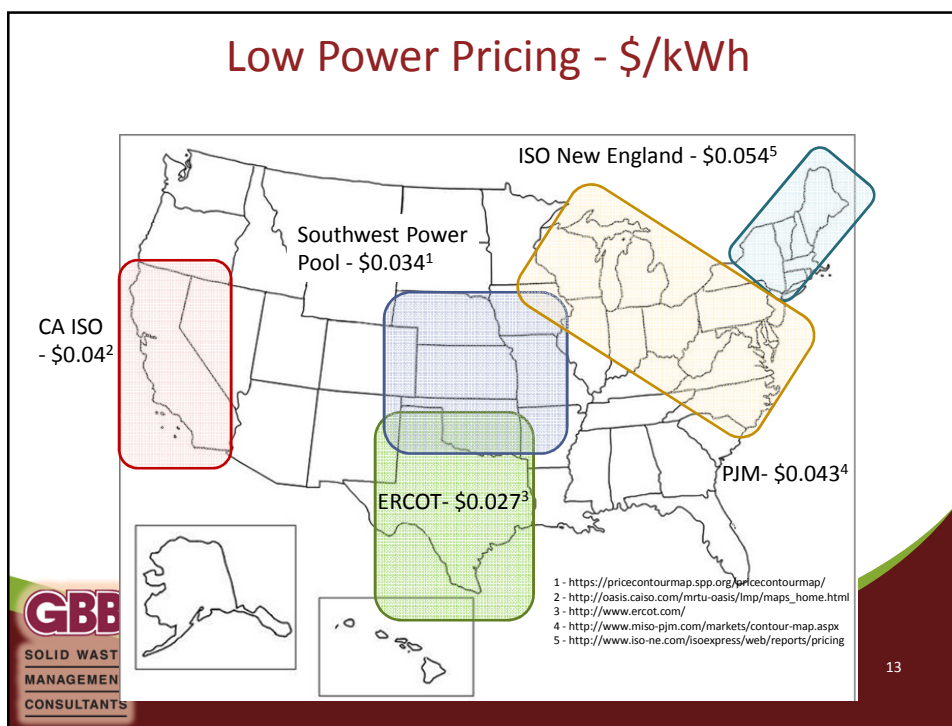
THE CHALLENGES

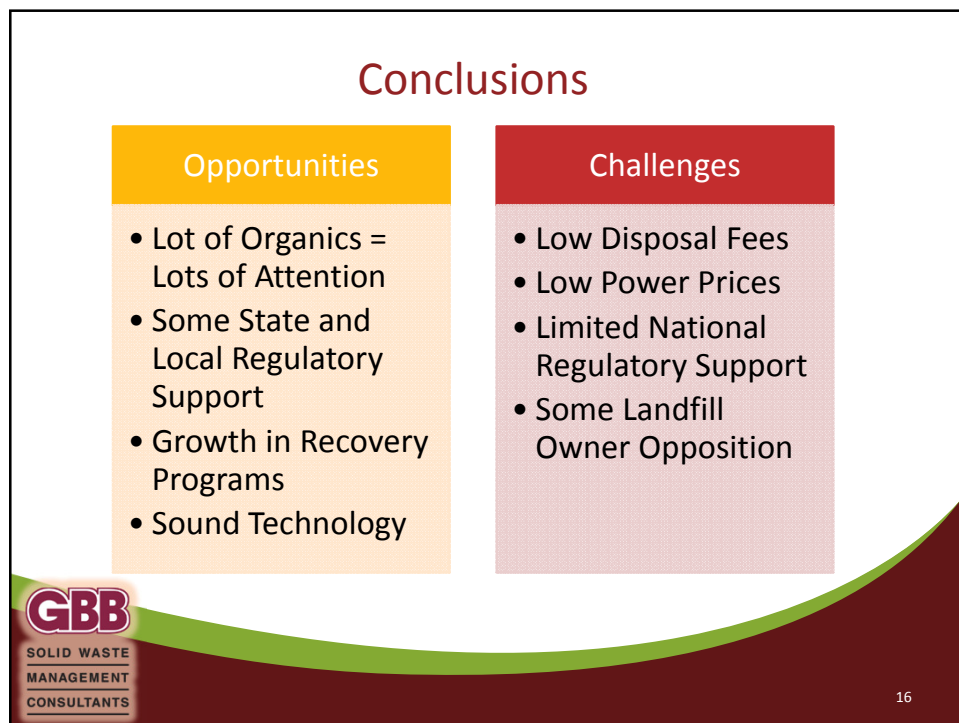
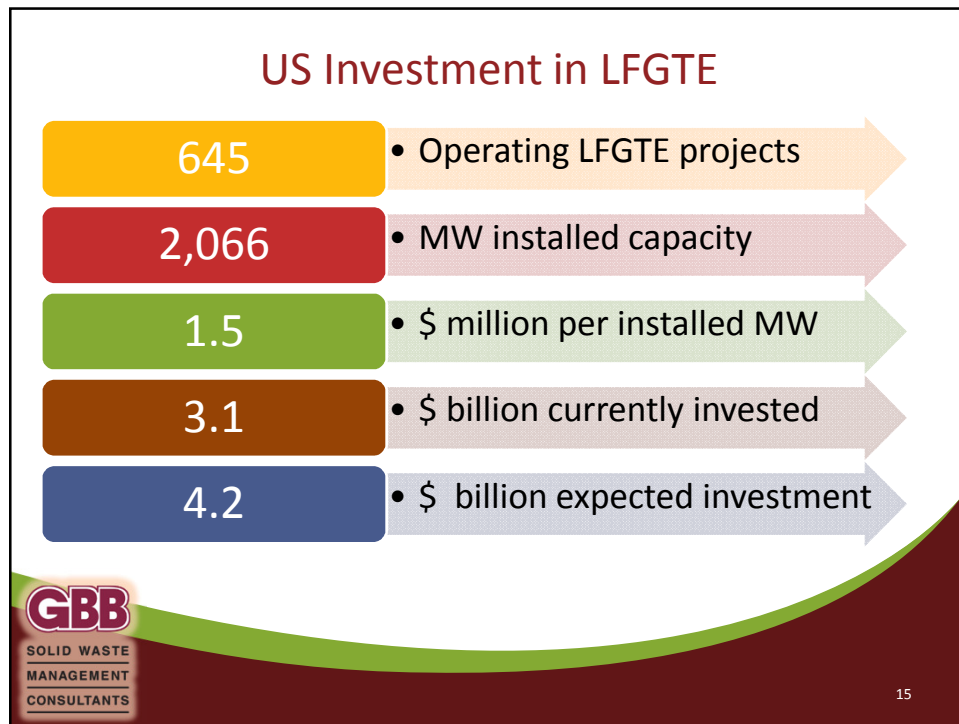


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Thank You!



John G. Carlton, P.E., BCEE
Senior Vice President, GBB
908-319-5992

jcarlton@gbbinc.com

www.gbbinc.com



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