

Walker Modic

Sustainability Manager, Bell's Brewery.



- *Responsible for employee education, waste mitigation, efficient resource utilization and environmental compliance, assessment, and advocacy.*
- *Charter member of the Brewers association and Michigan Brewers guild sustainability committees, Southwest Michigan Sustainable business forum board member, and KVCC-WMU Sustainable Brewing advisory board member.*
- *Prior joining Bell's in 2013, was the head brewer at a small regional brewpub in Cambridge, MA. Before his career in craft beer, he worked at the US EPA's National Health and Environmental Effects Research Laboratory where he received the EPA's award for Scientific and Technological Achievement. He holds a MA in Sustainability and Environmental Management from Harvard University and a MS in Molecular and Structural Biochemistry from North Carolina State University.*

Bell's Brewery - Then



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Bell's Brewery - Then



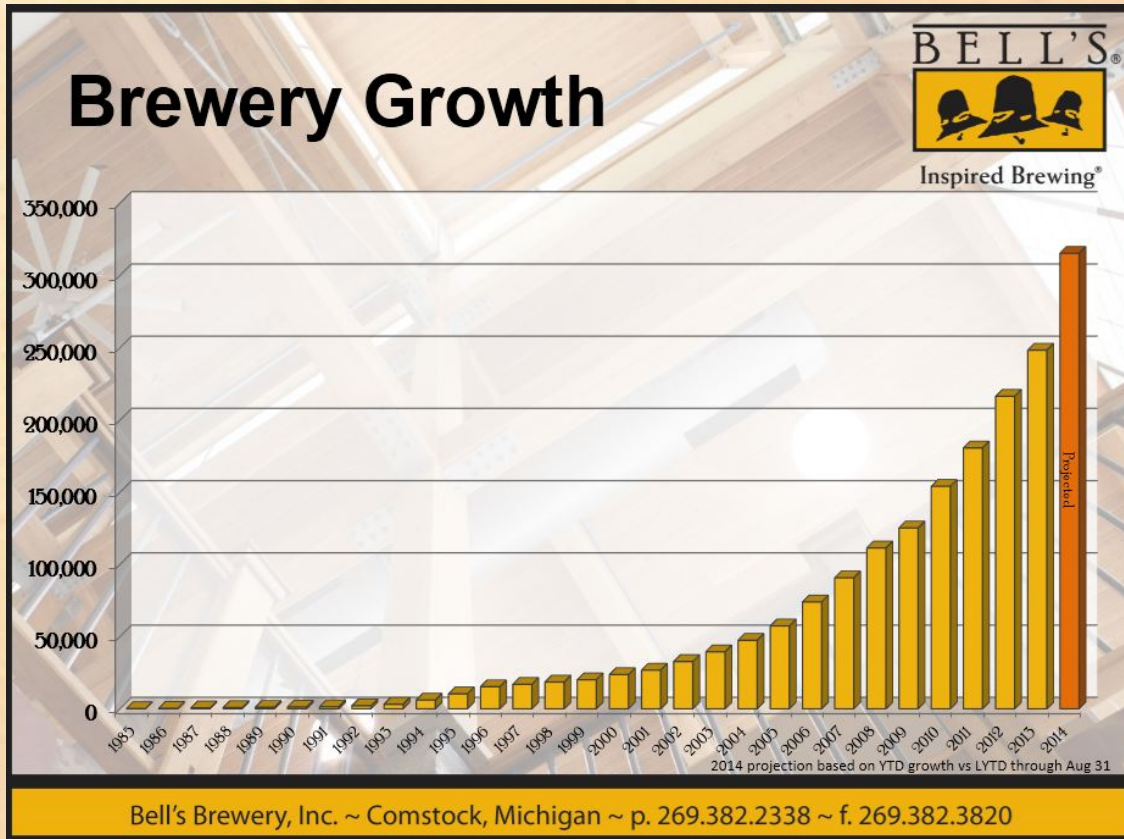
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Bell's Brewery - Growth



National Ranking (2013)

	Brewery (Craft category)	City	State	Change
1	Boston Beer Co.	Boston	MA	0
2	Sierra Nevada Brewing Co.	Chico	CA	0
3	New Belgium Brewing Co.	Fort Collins	CO	0
4	The Gambrinus Co.	San Antonio	TX	0
5	Lagunitas Brewing Co.	Bend	OR	1
6	Deschutes Brewery	Petaluma	CA	-1
7	Bell's Brewery, Inc.	Galesburg	MI	0
8	Duvel Moortgat USA		MO/NY	N/A
9	Brooklyn Brewery	Brooklyn	NY	+2
10	Stone Brewing Co.	Escondido	CA	+1

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Bell's Brewery - Now



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Bell's Brewery - Now



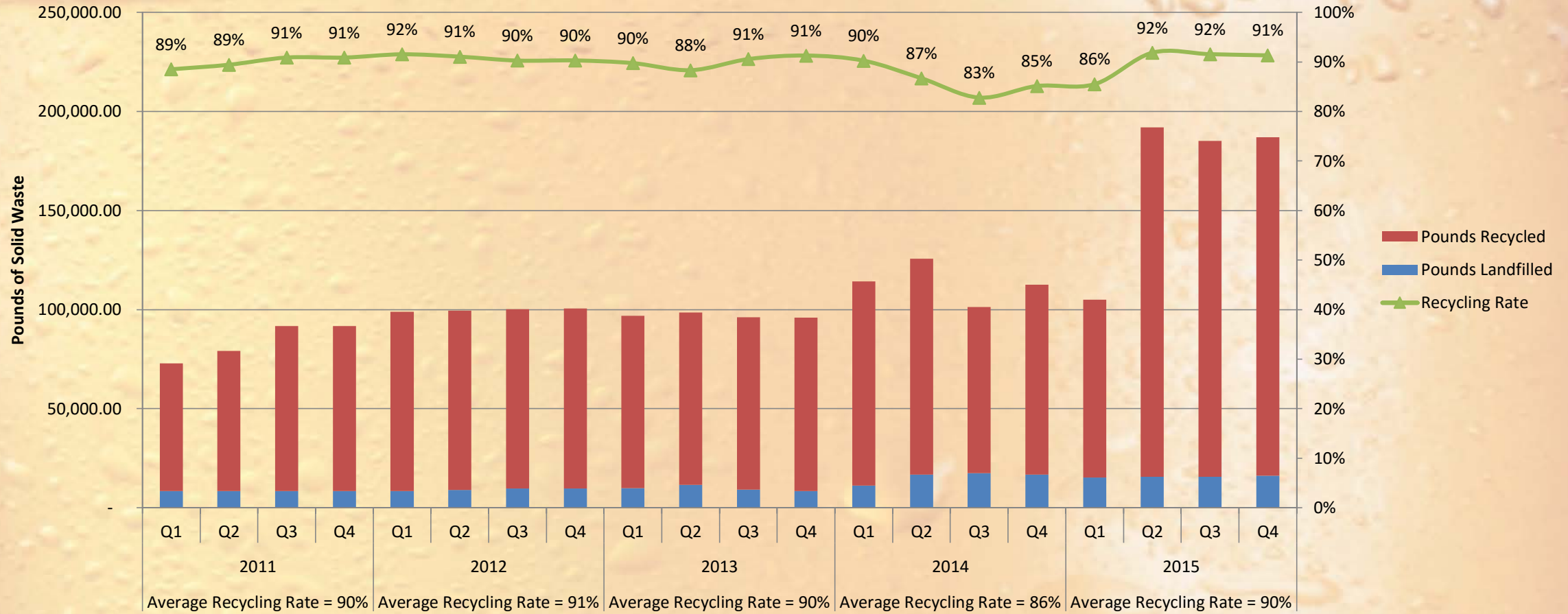
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Bell's Brewery – Recycling & SWM



- Program Began in 2007
 - 50% diversion rate (does not include BSG)
 - All recycling single stream
- Sorted Materials
 - cardboard, paper, stretch wrap (LDPE), green plastic banding (PET), keg caps (PP), wood, electronics, batteries, scrap metal, aluminum, amber glass
- Densified
 - OCC (\$), LDPE (\$), PET (\$), Al (\$), Amber Glass

Bell's Brewery – Recycling & SWM



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Solid Waste Bell's 2015



Cost:

Landfill + Comingle = \$7,906

Revenue

OCC + PET + AL + LDPE + Lift Batteries = \$8,086

Savings

447K# recycled (not removed at cost) = \$21K

Bell's Brewery – Recycling & SWM



- Challenges
 - Organics
 - Mylar
 - Restaurant Waste
 - With Eccentric Café Company diversion rate drops from 90% to 71%.
 - Organics, organics, organics...organics.

Cheers



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