

Optimizing CIPs for Water Savings

#CraftBrewersCon





Brewers Association Sustainability Subcommittee



Inspired Brewing®





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BREWERS ASSOCIATION

For Small and Independent Craft Brewers

Registration for the Craft Brewers C
BrewExpo America® in Nash

BEST PRACTICES



NEWS & PRES

BREWERS A
ANGELES

BA Representativ
days ago

Export Developm
London
6 days ago

Upcoming Export

American Craft B
days ago

BEST PRACTICES

Industry Updates

Brewery Safety

FREE Online Safety Training

Safety Ambassador

Safety Exchange

Hazard Assessment Principles

Confined Spaces

Protective Clothing

Powered Industrial Trucks

Compressed Gas Cylinders
Management

Surviving an OSHA Inspection

Good Manufacturing Practices for Craft Brewers

Engineering

Design and Construction of
Brewery Quality Labs

BA Representatives Present at New England Craft Brew Summit 6
days ago

Export Development Program Showcases American Craft Beer in
London
6 days ago

Upcoming Export Development Program Activities 6 days ago

American Craft Beer Featured at Beijing and Shanghai Events 6
days ago

RESOURCES

BUSINESS TOOLS

Hops

Hop Breeding Program

Grower Codes

Cost of Hop Production

Hop Resources

Malt

Barley Characteristics

Managing Supply Chain Quality

Barley Resources

Sustainability

Sustainability Manuals

Sustainability Benchmarking
Tools

Sustainability Ambassador

STATISTICS

GOVERNMENT AFFAIRS

GUILDS

BREWPUBS

Quality

Quality Priority Pyramid

FSMA FAQs for Brewers

Food Safety Plan for Craft
Brewers

Quality Ambassador

ASBC Methods of Analysis

Quality Management Book

Guide to Quality Craft Beer

Date Lot Coding

Basics of Beer Quality Workshop

Draught Beer Quality

Draught Beer Quality
Ambassadors

Draught Quality Resources

Kegs

Guidelines

Repatriation

SUSTAINABLE DESIGN AND BUILD STRATEGIES

CRAFTBEER.COM BEER & FOOD COURSE

THE NEW BREWER

BEER SERVER TRAINING FOR BREWPUBS

LEADS TO

making their way to

Conference (CBC) &

3. CBC offers

now featuring more

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INDEPENDENT
CRAFT

brewers association
**CRAFT
BREWERS**
conference
& BrewExpo America®

Sustainability Manuals



Energy Sustainability Manual

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Solid Waste Sustainability Manual

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Water & Wastewater Sustainability Manual

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Wastewater Management Guidance Manual

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Sustainable Design and Build Strategies for Craft Brewers

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SUSTAINABILITY BENCHMARKING TOOLS

Find out how successful your sustainability efforts are in your brewery by reviewing the 2015 Sustainability Benchmarking report and utilizing the online tools developed by the Brewers Association and Antea Group to record and study your efforts.

Your participation will benefit your brewery, as well as, help the Brewers Association form a clearer picture of industry practices.

Through the benchmarking tool and sustainability manuals, the BA and the Sustainability Subcommittee encourages conscientious brewing practices that will ensure the long-term success of the craft beer industry.

Benchmarking Report

The report provides a platform for the craft brewing community to share best practices for identifying how to use water more efficiently, generating less wastewater and solid waste, decreasing total energy usage and reducing greenhouse gas emissions.

Download and Study the Report

The [2015 Sustainability Benchmarking Report](#) 📄 focuses on utility usage and waste management in craft breweries and includes 2014 utility, resource and production data from 79 breweries, representing a robust variety of production sizes and geographic locations.

This brewing industry benchmarking report was created from an annual survey developed by the BA Sustainability Subcommittee. Future reports will be based on data gathered from the Benchmarking Tools. Read on to learn how to participate.

The [2016 Sustainability Benchmarking Update](#) 📄 summarizes data gathered from 2015 and focuses on four environmental attributes as key performance indicators (KPIs): electricity, natural gas, water, and carbon dioxide. Wastewater costs and greenhouse gas emissions are also discussed, along with specific case studies related to brewery sustainability initiatives.

Step 1: Get Started

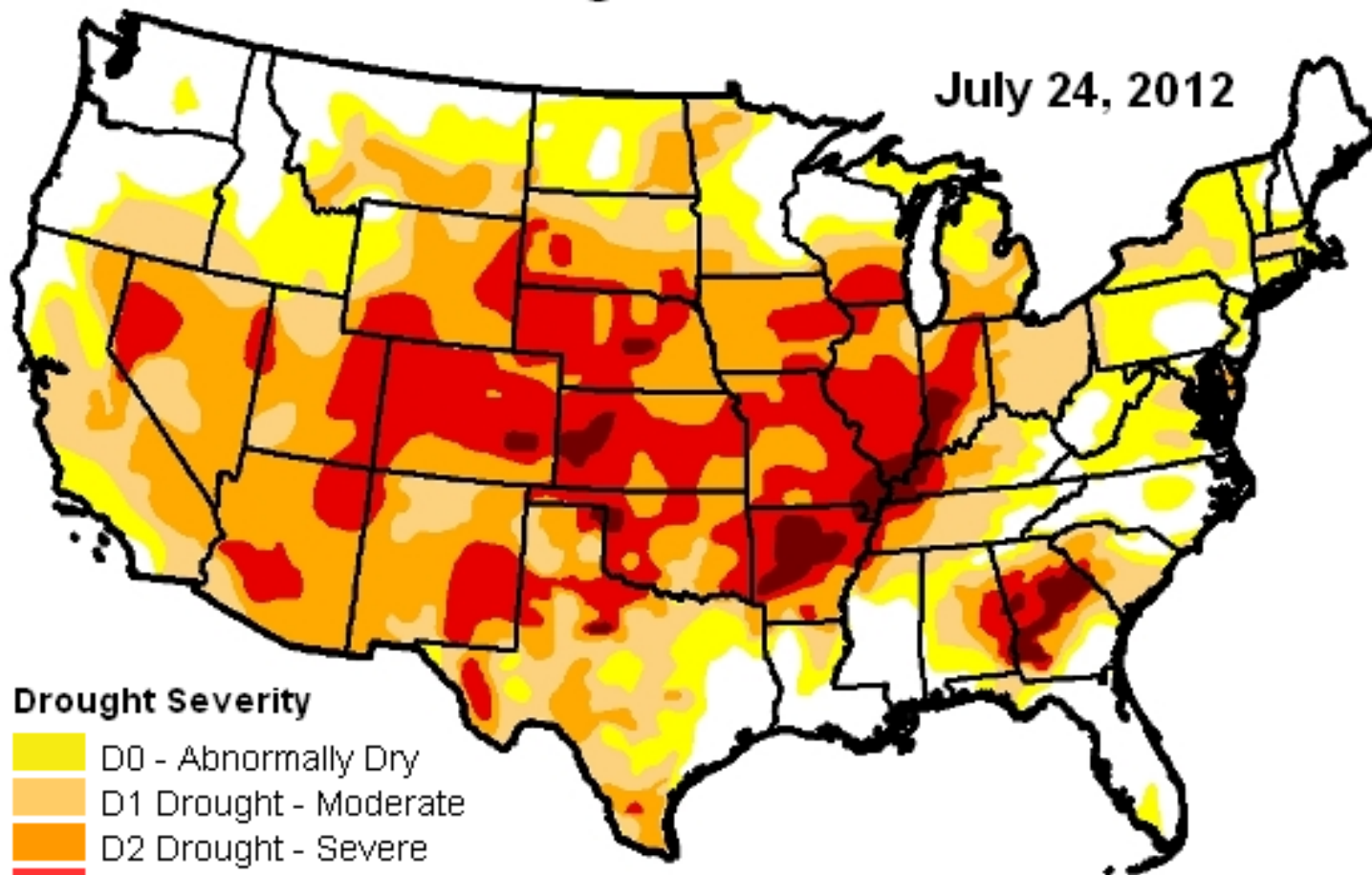
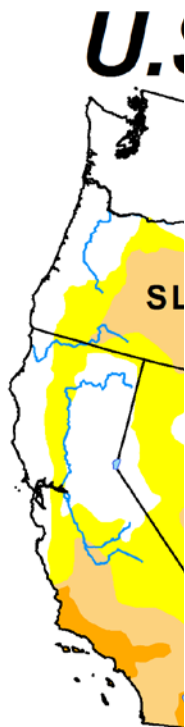
Downloads

[2016 Sustainability Benchmarking Update](#) 📄 (pdf)

[2015 Sustainability Benchmarking Annual Report](#) 📄 (pdf)

[Sustainability Benchmarking Handout](#) 📄 (pdf)

U.S. Drought Monitor



018)

July 24, 2012

Drought Severity

- D0 - Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

Author:
Brad Rippey
U.S. Department of Agriculture

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Week	Nothing	D0-D4	D1-D4	D2-D4	D3-D4	D4
July 17, 2012	19.25	80.75	63.54	42.23	13.53	0.99
July 24, 2012	19.92	80.08	63.86	45.57	20.57	2.38

<http://droughtmonitor.unl.edu/>

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Peter Kruger, Bear Republic Brewing

Denny Gorman, Boston Beer

Jason Perkins, Allagash Brewing