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US Collection

Recovered Glass: United States

February 2020



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About This Report

Scope

This report forecasts to 2023 US recovery of post-consumer glass from the US municipal solid waste (MSW) stream in short tons. For comparison, this report also forecasts to 2023 the total generation of post-consumer glass in the MSW stream. Total post-consumer glass recovery and generation are segmented by source product in terms of:

- beer and soft drink bottles
- wine and liquor bottles
- other bottles and jars
- durable goods (generation only)

To illustrate historical trends, total glass recovery, generation, and the various segments are provided in annual series from 2008 to 2018.

Pre-consumer glass (e.g., finished glass that breaks at a bottling or distribution facility) is excluded. The annual volume of glass recovered in the US from durable goods (e.g., appliances, furniture, and electronics) is negligible, and is therefore not included in total recovered glass.

Throughout this report, measures in tons refer to short tons.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading companies, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Recovered Glass: United States (FF65050) represents the synthesis and analysis of data from various secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental and non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 6 | NAICS & SIC Codes Related to MSW Glass Recovery

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
327213	Glass Container Manufacturing	3221	Glass Containers
423930	Recyclable Material Merchant Wholesalers	4212	Local Trucking Without Storage
562111	Solid Waste Collection	4953	Refuse Systems
562920	Materials Recovery Facilities	5093	Scrap and Waste Materials

Source: US Census Bureau

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market’s current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of

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1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

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Resources

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Freedonia Industry Studies

Food & Beverage Packaging Innovation

Global Flat Glass

World Wine Packaging

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Beer: United States

Beverages: United States

Distilled Spirits: United States

Municipal Solid Waste: United States

Packaging: United States

Recovered Metals: United States

Recovered Packaging: United States

Recovered Paper: United States

Soft Drinks: United States

Waste Management: United States

Wine: United States

Freedonia Custom Research

Trade Publications

American Recycler

Recycling Today

Resource Recycling

Waste Dive

Waste Management World

Waste360

Agencies & Associations

Container Recycling Institute

Glass Packaging Institute

Glass Recycling Coalition

Institute of Scrap Recycling Industries

National Restaurant Association

The Recycling Partnership

United States Census Bureau

United States Environmental Protection Agency