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# Waste Management: United States

January 2020



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# About This Report

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## Scope

This report forecasts to 2023 US waste management revenues in nominal US dollars. Total revenues are segmented by establishment type in terms of:

- solid waste
- remediation
- hazardous waste
- material recovery
- other establishments, such as those specializing in septic tank cleaning services

Total revenue is also segmented by market as follows:

- businesses
- governments
- households

To illustrate historical trends, total revenues and the various segments, and the number of firms, establishments, and employment are provided in annual series from 2008 to 2018.

The scope of this report encompasses private firms that primarily engage in waste management services. Excluded are firms that primarily engage in: environmental consulting; operation of water or sewage treatment plants; supply of water for drinking, irrigation, and other uses; and specialized freight and long-distance trucking services.

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

*Waste Management: United States* (FF95024) 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

## About This Report

- 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 Waste Management

| NAICS/SCIAN 2017                              |   | SIC                                |                                |
|---|---|------------------------------------|--------------------------------|
| North American Industry Classification System |   | Standard Industrial Classification |                                |
| 562111  | Solid Waste Collection                            | 4212                               | Local Trucking Without Storage |
| 562112  | Hazardous Waste Collection                        | 4953                               | Refuse Systems                 |
| 562119  | Other Waste Collection                            | 4959                               | Sanitary Services, NEC         |
| 562211  | Hazardous Waste Treatment and Disposal            | 7699                               | Repair Services, NEC           |
| 562212  | Solid Waste Landfill                              |                                    |                                |
| 562213  | Solid Waste Combustors and Incinerators           |                                    |                                |
| 562219  | Other Nonhazardous Waste Treatment and Disposal   |                                    |                                |
| 562910  | Remediation Services                              |                                    |                                |
| 562920  | Materials Recovery Facilities                     |                                    |                                |
| 562991  | Septic Tank and Related Services                  |                                    |                                |
| 562998  | All Other Miscellaneous Waste Management Services |                                    |                                |

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.

## About This Report

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 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

### The Freedonia Group

#### Freedonia Industry Studies

*Global Fertilizers*

*Global Water Treatment Equipment & Chemicals*

*Industrial & Institutional (I&I) Cleaning Chemicals in the US*

#### Freedonia Focus Reports

*Fertilizers: United States*

*Global Mining Equipment*

*Manufacturing: United States*

*Mining Equipment: United States*

*Mining & Quarrying: United States*

*Paper & Paperboard: United States*

*Precast Water & Waste Handling Products: United States*

*Recovered Glass: United States*

*Recovered Metal: United States*

*Recovered Packaging: United States*

*Recovered Paper: United States*

*Water: United States*

*Water Treatment Products: United States*

#### Freedonia Custom Research

### Trade Publications

*BioCycle*

*MSW Management*

*Recycling Today*

*Waste Advantage Magazine*

*Waste Business Journal*

*Waste Dive*

*Waste Management World*

*Waste Today*

*Waste360*

*WasteMag*

### Agencies & Associations

Container Recycling Institute

Energy Recovery Council

International Solid Waste Management Association

## About This Report

Municipal Waste Management Association  
National Waste & Recycling Association  
Solid Waste Association of North America  
United States Census Bureau  
United States Department of Agriculture  
United States Environmental Protection Agency  
US Composting Council