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US Collection

Commercial Building Construction: United States

August 2019



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About This Report

Scope

This report forecasts to 2023 US commercial building construction expenditures in nominal and real (inflation-adjusted) US dollars and floor space in square feet. Total expenditures in nominal and real dollars are segmented by market in terms of:

- education
- retail and wholesale
- office
- industrial
- healthcare
- lodging
- transportation
- religious
- other markets such as public safety

Total floor space is segmented by market as follows:

- commercial
- industrial
- office
- education
- public assembly
- lodging
- healthcare
- other markets

Total floor space is also segmented by region in terms of:

- South
- Midwest
- West
- Northeast

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

This report includes new commercial building construction and improvements such as additions, alterations, and major replacements (e.g., heating systems). Maintenance and

About This Report

repairs for existing structures and service facilities are excluded. Also excluded are land acquisition costs, drilling of gas and oil wells, and digging and shoring of mines. As defined by the US Census Bureau, expenditures represent architectural and engineering costs; labor, material, and overhead costs; interest and taxes paid during construction; and contractors' profits.

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

Commercial Building Construction: United States (FF60032) 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 9 | NAICS & SIC Codes Related to Commercial Building Construction

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
236210	Industrial Building Construction	1531	Operative Builders
236220	Commercial and Institutional Building Construction	1541	General Contractors – Industrial Buildings and Warehouses
		1542	General Contractors – Nonresidential Buildings, Other than Industrial Buildings and Warehouses

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 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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HVAC Equipment: United States

Insulated Wire & Cable: United States

Roofing Accessories: United States

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BuildingGreen

BuildingOnline

Construction Dive

Construction Today

Engineering News-Record

The Journal of Light Construction

Agencies & Associations

The American Institute of Architects

American Society of Civil Engineers

Associated Builders and Contractors

The Associated General Contractors of America

Building Trades Association

United States Bureau of Labor Statistics

United States Department of Commerce

Bureau of Economic Analysis

About This Report

United States Census Bureau
United States Environmental Protection Agency
United States Green Building Council