

[CLICK TO VIEW](#)

[Table of Contents 2](#)

[List of Tables & Charts 3](#)

[Study Overview 4](#)

[Sample Text, Table
& Chart 5](#)

[Sample Profile, Table &
Chart 6](#)

[Order Form 7](#)

[About Freedonia, Custom
Research, Related Studies,
Corporate Use License 8](#)



Prefabricated Housing

US Industry Study with Forecasts for **2011 & 2016**

Study #2296 | January 2008 | \$4400 | 218 pages



The Freedonia Group

767 Beta Drive

Cleveland, OH • 44143-2326 • USA

Toll Free US Tel: 800.927.5900 or +1 440.684.9600

Fax: +1 440.646.0484

E-mail: info@freedoniagroup.com

www.freedoniagroup.com

Table of Contents

EXECUTIVE SUMMARY

MARKET ENVIRONMENT

General	4
Macroeconomic Environment.....	5
Consumer Trends.....	9
Personal Income & Expenditures.....	10
Consumer Financing	12
General	13
Manufactured Housing	16
Green Building Trends.....	19
Demographic Trends	20
Population.....	20
Households.....	23
Residential Construction Expenditures	24
Housing Starts.....	27
Housing Stock	30
Urban/Rural Housing Patterns.....	33
Gulf Coast Reconstruction	35
Pricing Trends	37
Market Trends.....	39
Real Estate Development.....	43
Foreign Trade	44
International Environment.....	46

OVERVIEW

General	50
Unit Outlook	53
Value Outlook.....	56
Cost Advantages Relative to Site-Built Housing.....	58

MANUFACTURED HOUSING

General	60
Producers.....	64
Product Design	66
Single-Section	67
Double-Section.....	69
Three or More Sections.....	71
Cost Comparisons.....	72
Regulatory Issues & Trends.....	75
HUD Code	75
Delivery.....	76
Zoning	77

Community Ownership	78
Financing	79
Customer Base.....	81
Buyer Characteristics	82
Regional Variation in Demand	83
Market Penetration by State.....	87

OTHER PREFABRICATED HOUSING

General	90
Modular Housing.....	92
Technology	94
Producers	95
Precut Housing	96
Product Types.....	97
Log Houses	98
Other Precut Houses	99
Producers	99
Panelized Housing.....	100
Technology	101
Producers	102
Cost Comparisons.....	103
Regulatory Trends & Issues.....	104
Building Codes	105
Regulations & Affordability.....	106
Customer Base.....	106

DEMAND BY REGION

General	108
Regional Demographic & Economic Trends	108
Population.....	109
Economic Outlook	111
Housing Trends.....	113
Regional Outlook for Prefabricated Housing.....	115
Northeast	118
New England	119
Middle Atlantic.....	120
Northeast Prefabricated Housing Trends.....	121
Midwest.....	124
East North Central.....	126
West North Central	126
Midwest Prefabricated Housing Trends.....	127

South.....	130
South Atlantic.....	132
East South Central	133
West South Central.....	134
South Prefabricated Housing Trends	135
West	138
Mountain.....	140
Pacific.....	141
West Prefabricated Housing Trends..	143

INDUSTRY STRUCTURE

General	146
Industry Composition	147
Integration	149
Revenues.....	150
Market Leaders	152
Clayton Homes	154
Champion Homes	154
Fleetwood Enterprises.....	155
Other Leaders.....	155
Other Industry Participants.....	157
Manufacturing	158
Automated Manufacturing Processes ..	158
Comparison to Site-Built Techniques..	159
Product Development.....	160
Competitive Strategies.....	161
Marketing	162
Distribution	163
Financial Issues	165
Mergers & Acquisitions.....	167
Cooperative Agreements.....	169

COMPANY PROFILES

American Homestar	172
Barden & Robeson.....	174
Barna Log Homes	175
Beaver Mountain Log & Cedar Homes	176
Berkshire Hathaway.....	178
Cavalier Homes	180
Cavco Industries	182
Champion Enterprises	184
Coachmen Industries	186
Excel Homes.....	188
Fairmont Homes.....	190
Fleetwood Enterprises.....	192

(continued on next page)

[Click here to purchase online](#)

Table of Contents

COMPANY PROFILES

(continued from previous page)

Four Seasons Housing	193
Honkarakenne Oyj	194
Horton Industries.....	195
Liberty Homes	197
Log Cabin Homes	198
Muncy Homes	199
Natural Spaces Domes.....	201
Nobility Homes	203
Oregon Yurtworks.....	204
Palm Harbor Homes	206
Patriot Homes	209
Penn Lyon Homes.....	210
Ritz-Craft Corporation	212
Skyline Corporation	213
Town & Country Cedar Homes.....	214
Walter Industries	215
Wausau Homes.....	216
Wick Building Systems	217

List of Tables/Charts

EXECUTIVE SUMMARY

1 Summary Table	3
-----------------------	---

MARKET ENVIRONMENT

1 Macroeconomic Indicators.....	9
2 Personal Income & Expenditures.....	12
3 Consumer Financing Environment, 1996-2006.....	16
4 Resident Population	23
5 Residential Construction Expenditures	26
6 Housing Starts by Type	30
Cht Year of Construction of Housing Stock, 2006	32
7 Housing Stock by Location & Type....	35
8 Average Retail Housing Prices.....	39
9 Prefabricated Housing Market, 1996-2006.....	41
Cht Prefabricated Housing Market, 1997-2006.....	42
Cht Housing Starts by Type, 1996-2006....	42

10 US Foreign Trade in Prefabricated Housing	46
11 World Prefabricated Housing Demand	48
Cht World Prefabricated Housing Demand, 2006	49

OVERVIEW

1 Prefabricated Housing Supply & Demand.....	55
Cht Prefabricated Housing Shipments by Product, 2006	55
2 Prefabricated Housing Shipments by Value.....	57
Cht New Home Pricing, 1996-2016	57
Cht Prefabricated Housing Total Costs, 2006	59

MANUFACTURED HOUSING

1 Manufactured Housing Supply & Demand.....	63
2 Manufactured Housing Shipments by Company, 2006.....	65
Cht Manufactured Housing Market Share, 2006	66
3 Single-Section Manufactured Housing Shipments	69
4 Double-Section Manufactured Housing Shipments	70
5 Three or More Section Manufactured Housing Shipments	72
6 Manufactured Housing Placements by State, 2006.....	85
Cht Manufactured Housing Placements by State, 2006.....	86
7 Manufactured Housing Placements as a Share of Housing Starts by State, 2006.....	87
Cht Manufactured Housing Placements as a Share of Total Housing Starts by State, 2006.....	89

OTHER PREFABRICATED HOUSING

1 Other Prefabricated Housing Supply & Demand.....	92
---	----

2 Modular Housing Shipments.....	94
3 Precut Housing Shipments.....	97
4 Panelized Housing Shipments.....	101

DEMAND BY REGION

1 Resident Population by Region.....	111
2 Regional Gross Domestic Product....	113
3 Regional Housing Starts & Sales....	115
4 Prefabricated Housing Demand by Region	117
Cht Prefabricated Housing Demand by Region, 1996-2016	117
5 Northeast Prefabricated Housing Demand by Subregion	119
6 Northeast Prefabricated Housing Demand by Product	123
Cht Northeast Prefabricated Housing Demand by Product, 2006	124
7 Midwest Prefabricated Housing Demand by Subregion.....	125
8 Midwest Prefabricated Housing Demand by Product	129
Cht Midwest Prefabricated Housing Demand by Product, 2006	129
9 South Prefabricated Housing Demand by Subregion	132
10 South Prefabricated Housing Demand by Product	137
Cht South Prefabricated Housing Demand by Product, 2006	137
11 West Prefabricated Housing Demand by Subregion.....	140
12 West Prefabricated Housing Demand by Product	144
Cht West Prefabricated Housing Demand by Product, 2006	145

INDUSTRY STRUCTURE

1 US Prefabricated Housing Sales by Company, 2006.....	151
Cht Prefabricated Housing Market Share, 2006	153
2 Composite Financial Ratios: Selected Prefabricated Housing Manufacturers	167
3 Selected Acquisitions & Divestitures	169

[Click here to purchase online](#)

Modest increases in market penetration for both manufactured housing and other prefabricated housing will support growth in the face of a weaker overall new housing environment.

US demand to reach 190,000 units in 2011

US demand for prefabricated housing is forecast to grow 1.5 percent annually to 190,000 units in 2011 (less net exports and stock changes). These gains will occur despite projected declines in US single-family housing starts. Modest increases in market penetration for both manufactured housing and other prefabricated housing will support growth in the face of a weaker overall environment for new housing.

Manufactured housing to offer best opportunities

Shipments of manufactured housing are projected to reach 120,000 units in 2011. These gains will be fueled by positive unit growth following a long period of depressed demand during which easier credit and rising home values made site-built homes relatively more attractive. However, price increases will account for the majority of this growth, as a shifting product mix and increased raw material costs raise the average price of units produced. Driving growth in manufactured housing will be multisection units, particularly those with three or more sections. Multisection manufactured housing, as a closer substitute for conventional housing, will see increased market penetration as households increasingly choose the cost savings of manufactured housing over site-built homes.

US Prefabricated Housing Shipments, 2011 (190,000 units)



Precut homes to lead gains among other types

Shipments of precut homes are forecast to perform the best of all other types of prefabricated housing, growing nearly four percent annually to \$630 million in 2011. Demand will benefit from an aging baby boomer population seeking secondary housing. Growth will be the fastest in the Midwest housing market, but precut housing will also see gains in the contracting market of the South. Panelized and modular housing will also experience growth through 2011, but will be restrained by weaker demand in the declining housing market of the Northeast.

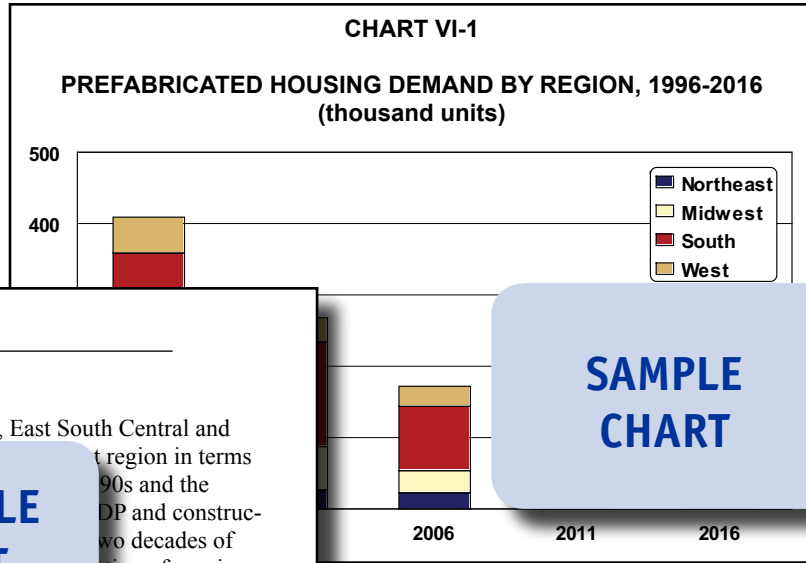
Midwest to be fastest growing regional market for prefabricated housing

The Midwest region is expected to be the fastest growing source of demand for prefabricated housing through 2011. This region accounted for approximately 18 percent of total demand for prefabricated housing in 2006, second only to the South. Rebounding from the poorest performance of any region from 2001 to 2006, growing demand for new housing in the Midwest will provide favorable conditions for prefabricated housing.

Copyright 2008 The Freedonia Group, Inc.

[Click here to purchase online](#)

Sample Text, Table & Chart



DEMAND BY REGION

South

The South consists of the South Atlantic, East South Central and West South Central subregions. This region in terms of population and economic activity has grown rapidly since the early 1990s and the early 2000s, the South enjoyed strong real GDP and construction expenditures that exceeded the national average. Two decades of population growth in the region have led to the conversion of previously rural areas into parts of major metropolitan areas. Cities such as Atlanta, Charlotte, Dallas, Houston, and Miami have been able to expand through incorporation and annexation of surrounding land, a strategy often unavailable to older cities of the Northeast and Midwest. Instead of relying on growth by attracting manufacturing facilities from regions with higher labor costs, growth in the mid-1990s and into the 2000s was based on a broad array of economic activity. Diversification into financial services and information technology, and increased trade with Latin America and Mexico helped boost the prominence of the South in the national economy. However, like the other US regions, the South experienced a slowdown in real GDP growth from 2001 to 2006 as the US experienced a recession in 2001. Going forward the South is expected to continue to see strong, above average economic growth, with gains in construction expenditures continuing with the national average. Between 2001 and 2006, residential activity was strong, with both existing home sales and private starts outpacing all other regions.

The South is the largest regional market for prefabricated housing. While manufactured housing is particularly prominent in the South, demand for other prefabricated housing is also greater than in other regions. Demand for prefabricated housing in the South is forecast to grow 1.3 percent annually through 2011 to 96,000 units. While below the national average, it is a dramatic improvement relative to the significant losses experienced from 1996 to 2006. In the last

Copyright 2008 The Freedonia Group, Inc.

**SAMPLE
TEXT**

**SAMPLE
CHART**

TABLE V-2

MODULAR HOUSING SHIPMENTS

Item	1996	2001	2006	2011	2016
Prefab Housing Shpts (000 units)					
% modular					
Modular Housing Shpts (000 units)					
000\$/unit					
Modular Housing Shipments (mil \$)					
+ value-added costs (mil \$)					
Total Installed Value (mil \$)					
installed 000\$/unit*					

**SAMPLE
TABLE**

Sample Profile, Table & Chart

TABLE IV-1
MANUFACTURED HOUSING SUPPLY & DEMAND
 (thousand units)

Item	1996	2001	2006	2011	2016
Housing Starts % manufactured housing					
Manufactured Housing Demand + net exports & stock changes					
Manufactured Housing Shipments Single-Section Double-Section 3 or More Sections					
000\$/unit					
Manufactured Housing Shpts (mil \$) Single-Section Double-Section 3 or More Sections					
+ value-added costs (mil \$)					
Total Installed Value (mil \$) installed 000\$/unit*					

SAMPLE
TABLE

COMPANY PROFILES

Cavco Industries Incorporated
 1001 North Central Avenue, Suite 800
 Phoenix, AZ 85004
 602-256-6263
 http://www.cavco.com

Sales: \$
 Employe

SAMPLE
PROFILE

Key Pro

Cav

pany, wh

operates

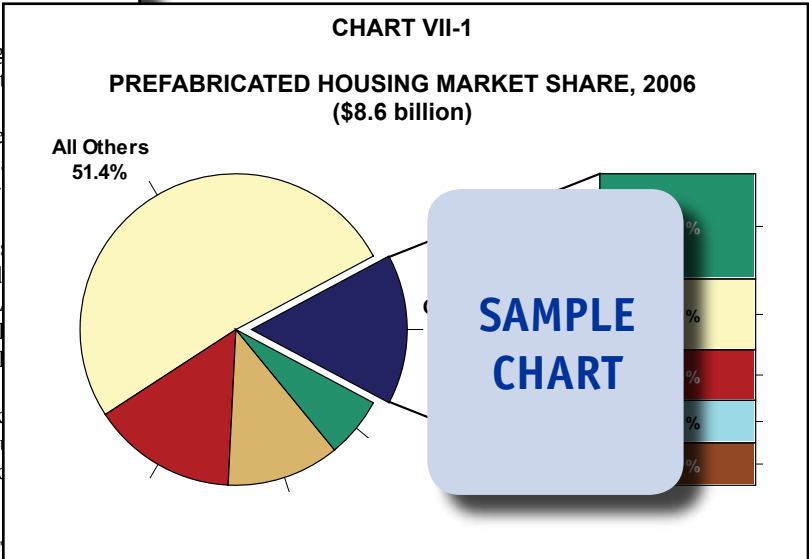
The Company participates in the US prefabricated housing try through both segments. In FY 2007, the Company sold a to 3,612 homes to its geographic market, which includes Arizona, New Mexico, Colorado, Utah, Nevada and California. Of these 62 percent, or approximately 2,240, were manufactured homes remaining 38 percent, or about 1,375, were park model modular

Through the Manufacturing segment, which had FY 2007 of \$161 million, the Company produces manufactured and mod homes. These homes are sold under such brand names as CED VALLEY CABINS, CAVCO DURANGO, LITCHFIELD LIM CAVCO PARK MODELS, CAVCO CABINS and CAVCO LO

The BIRCH, CYPRESS, SEQUOIA and VERDE models d prise the CEDAR VALLEY CABINS series. These homes feat oil-rubbed bronze fixtures, cedar paneling, and front and side p

182

Copyright 2008 The Free



OTHER STUDIES

Insulation

This study analyzes the US market for insulation. It presents historical demand data for the years 1996, 2001 and 2006 and forecasts for 2011 and 2016 by product (e.g., fiberglass, foamed plastics, cellulose, mineral wool, reflective insulation); market (e.g., residential and nonresidential construction, industrial and HVAC equipment); and geographic region. The study also considers market environment factors, reviews technology, evaluates company market share and profiles leading insulation manufacturers.
 #2302 03/2008..... \$4600

Molding & Trim

US demand for molding and trim will reach \$11 billion in 2011. Gains will be supported by healthy nonresidential construction activity, especially in office and commercial buildings. Interior moldings will remain the largest product segment, while plastic molding and trim continues to supplant wood materials. This study analyzes the US molding and trim industry, with forecasts for 2011 and 2016 by material, product and market. The study also evaluates market share and profiles leading producers.
 #2286 12/2007..... \$4500

World Housing

Global housing demand will rise 2.1% yearly through 2011. The fastest unit gains will be in the Africa/Mid-east region (led by Nigeria) and in Mexico, while China will lead growth in value terms. Rural-to-urban migration in developing regions will spur new housing demand to exceed new household formation. This study analyzes the 52.2 million unit global housing industry, with forecasts for 2011 and 2016 by type, region and for 22 national markets. It also considers market environment trends and indicators.
 #2270 12/2007..... \$5100

World Windows & Doors

Global window and door demand will rise 5% yearly through 2011. China, India, Mexico and Russia will see some of the largest sales increases. Wood and metal products will stay dominant while plastic types will grow the fastest. The nonresidential building market will outpace the larger residential sector. This study analyzes the \$117.5 billion world window and door industry, with forecasts for 2011 and 2016 by product, market, world region and for 30 countries. It also details market share and profiles major players.
 #2235 09/2007..... \$5800

World Siding (Cladding)

Global demand for exterior siding (or cladding) will grow 3.8% yearly through 2010 based on a pickup in nonresidential building construction. Metal, concrete and stone, and fiber cement siding will grow the fastest. China, India and Russia will lead gains, while growth rates in developed countries will be slower. This study analyzes the 4.3 billion square meter world siding industry for 2010 and 2015 by product, market, world region and for 31 countries. It also evaluates market share and profiles major producers.
 #2159 02/2007..... \$5500

About The Freedonia Group

The Freedonia Group, Inc., is a leading international industry market research company that provides its clients with information and analysis needed to make informed strategic decisions for their businesses. Studies help clients identify business opportunities, develop strategies, make investment decisions and evaluate opportunities and threats. Freedonia research is designed to deliver unbiased views and reliable outlooks to assist clients in making the right decisions. Freedonia capitalizes on the resources of its proprietary in-house research team of experienced economists, professional analysts, industry researchers and editorial groups. Freedonia covers a diverse group of industries throughout the United States, the emerging China market, and other world markets. Industries analyzed by Freedonia include:

- Chemicals • Plastics • Life Sciences • Packaging • Building Materials • Security & Electronics • Industrial Components & Equipment • Automotive & Transportation Equipment • Household Goods • Energy/Power Equipment

[Click here to learn more about Freedonia](#)

Freedonia Custom Research

Freedonia Custom Research delivers the same high quality, thorough and unbiased assessment of an industry or market as an industry study. Since the research initiative is based upon a company's specific needs, companies harness Freedonia's research capabilities and resources to answer unique questions. When you leverage the results of a Freedonia Custom Research engagement, you are able to obtain important answers to specific questions and issues associated with: mergers and acquisitions, new product launches/development, geographic expansion, entry into new markets, strategic business planning, and investment and funding decisions.

Freedonia Custom Research is ideal for companies seeking to make a strategic difference in the status quo and focus on future business growth. Working side by side with clients, Freedonia's team is able to define a research project that is custom-tailored to answer specific questions and provide the basis from which a company can make informed business decisions.

[Click here to learn more about Custom Research](#)



[Click here for complete title list](#)

[Click here to visit freedoniagroup.com](http://www.freedoniagroup.com)