

## MARKET INTELLIGENCE

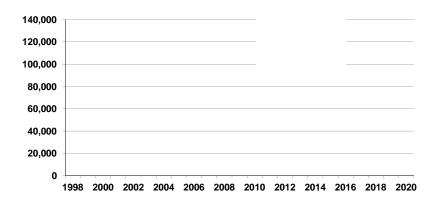
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### **Summer Cement Outlook**

#### **Overview**

Despite volatility in equity markets and concerns about global growth conditions, the economic fundamentals in the United States are sound and should support sustained growth in construction activity.

# Portland Cement Consumption Thousand Metric Tons





## MARKET INTELLIGENCE

# U.S. Forecast Tables August 31, 2015

Source: Portland Cement Association's Market Intelligence Group based on publicly available sources believed to be reliable; however, accuracy cannot be guaranteed. The Portland Cement Association assumes no legal responsibility for the outcome of decisions or commitments made on the basis of this information.

United States Forecast Summer 2015

#### **Economic Forecast**

	2013	2014	2015	2016	2017	2018	2019	2020
General Economic Factors								
- Real GDP Growth (%)								
- Unemployment Rate (%)								

## Oil Price, WTI Per BarrelNote: Oil Rig Count

- Total Housing Starts (000)

Key Interest Rates
- Mortgage Rate - 30 Yr Fixed (%)

- Consumer Sentiment Index (Year End)

- Federal Funds Rate
- Three Year Treasury (%)
- BAA Bond (%)

- Employment- Change in Employment- Inflation Rate (%)

- Implied Corporate Risk Premium

#### **Key Single Family Factors**

- Single Family Starts (000)
- Average New Home Sq Footage
- Total Single Family Sq Footage (Million)
- Average Cement Tons Per Start
- Mortgage Rate 30 Yr Fixed
- Median Home Price (000)
- Home Appreciation Rate
- Average Monthly Payment

#### **Key Multi-Family Factors**

- Multi-Family Starts (000)
- Average New Home Sq Footage
- Total Multi-Family Sq Footage (Million)
- Average Cement Tons Per Start
- Vacancy Rate (%)
- Mortgage to Rent Ratio
- Target Rental Population (20-29) Index

#### **Key Nonresidential Factors**

- Capacity Utilization (%)
- Office Vacancy Rate (%)
- Office Worker Employment

#### **General Cement Ratios**

- Cement Consumption (Per 000 Capita)
- Cement Tons Per Mil Construction

#### **Construction Put-in-Place**

(Billions 2009\$)

United States Summer 2015

2013 2014 2015 2016 2017 2018 2019 2020

#### Total

#### **Residential Buildings**

New Housing Units Single Family Multi Family Improvements

#### **Nonresidential Buildings**

Industrial
Office
Hotels, Motels
Hospitals, Institutions
Religious
Educational
Other Commercial

## Public Utility & Other Farm Nonresidential Miscellaneous

#### **Public Construction**

Buildings <sup>(1)</sup>
Highways & Streets
Military/Public Security <sup>(1)</sup>
Conservation
Sewer Systems
Water Supply Systems

#### Percent Change

#### Total

#### **Residential Buildings**

New Housing Units Single Family Multi Family Improvements

#### **Nonresidential Buildings**

Industrial
Office
Hotels, Motels
Hospitals, Institutions
Religious
Educational
Other Commercial

## Public Utility & Other Farm Nonresidential Miscellaneous

#### **Public Construction**

Buildings Highways & Streets Military/Public Security Conservation Sewer Systems Water Supply Systems

#### **Portland Cement Consumption**

(000 Metric Tons)

United States Summer 2015

2013 2014 2015 2016 2017 2018 2019 2020

#### Total

#### **Residential Buildings**

New Housing Units Single Family Multi Family Improvements

#### **Nonresidential Buildings**

Industrial
Office
Hotels, Motels
Hospitals, Institutions
Religious
Educational
Other Commercial

Public Utility & Other Farm Nonresidential Oil & Gas Wells Miscellaneous

#### **Public Construction**

Buildings Highways & Streets Military/Public Security Conservation Sewer Systems Water Supply Systems

**Percent Change** 

#### Total

#### **Residential Buildings**

New Housing Units Single Family Multi Family Improvements

#### **Nonresidential Buildings**

Industrial
Office
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#### **Public Construction**

Buildings Highways & Streets Military/Public Security Conservation Sewer Systems Water Supply Systems



#### **U.S. Cement Consumption Forecast**

(000 Metric Tons)

United States Summer 2015

2013 2014 2015 2016 2017 2018 2019 2020

**Total Cement Consumption** 

Portland Cement Masonry Cement

- Portland Share of Total, (%)

Cement and Clinker Imports

- Import Share, (%)

**Total Cement Consumption** 

Portland Cement Masonry Cement

Cement and Clinker Imports