
Spring 2011 State Forecast

Cement Update

Market Intelligence Group

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OHIO

	2008	2009	2010	2011	2012	2013	2014	2015
Gross State Product & Income								
Gross State Product, Nominal (\$ Millions)	\$472,285							
- Annual Growth Rate, %	0.5%							
Gross State Product, Real (\$ Millions)	\$437,295							
- Annual Growth Rate, %	-1.4%							
Disposable Income Real (\$ Millions)	\$414,458							
- Annual Growth Rate, %	2.4%							
Demographic Profile								
Total Population (000)	11,472							
- Change in Population,	5							
- Annual Change, %	0.0%							
Target 1st Time Home Buyers (000)	1,455							
- Annual Change, %	-0.3%							
- Share of Total Population	12.7%							
Target Apartment Population (000)	1,556							
- Annual Change, %	0.3%							
- Share of Total Population	13.6%							
School Age Population (000)	2,303							
- Annual Change, %	-0.7%							
- Share of Total Population	20.1%							
Retirement Age Population (000)	1,563							
- Annual Change, %	1.2%							
- Share of Total Population	13.6%							
Households (000)	4,495							
- Annual Change, %	-0.1%							
- Persons Per Household	2.6							
Average Workers Per Household	1.33							
Labor Markets								
Labor Force (000)	5,963							
- Labor Force to Population Ratio	52.0%							
Employment Non-Agricultural (000)	5,570							
- Unemployment Rate, %	6.6%							
Retail Employment (000)	590							
- Change, Number of Jobs	-11							
- Share Total Employment	10.6%							
Manufacturing Employment (000)	739							
- Change, Number of Jobs	-32							
- Share of Total Employment	13.3%							
Office Employment (000)	1,859							
- Change, Number of Jobs	9							
- Share of Total Employment	33.4%							
Office Employment Components:								
- Finance	290							
- Information	86							
- Professional & Business Services	669							
- Health & Education Services	809							

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Construction Drivers/Indicators

	2008	2009	2010	2011	2012	2013	2014	2015
Total Housing Permits, Units	21,141							
- Annual Change, %	-34.1%							
Single Family Permits	16,194							
- Annual Change, %	-36.6%							
Multi Family Permits	4,947							
- Annual Change, %	-24.6%							
Key Single Family Factors								
- Median Home Price (000)	\$109							
- Median Home Appreciation Rate, %	-23.0%							
- Average Monthly Mortgage Payment, \$	\$657							
- Monthly Payment to Monthly Income, %	10.6%							
- Affordability Index, 1996=100	49							
- Single Family to Multi Family Ratio	3.27							
- Mortgage to Rent Ratio	0.90							
Average New Home Size (SQFT)								
- Single Family	2,304							
- Multi Family	1,354							
Average Metro Fair Market Rent (\$)	730							
- Annual Change, %	2.8%							
Fair Market Rent Components, (\$):								
Akron	743							
Canton-Massillon	625							
Cleveland-Elyria-Mentor	725							
Lima	584							
Mansfield	590							
Sandusky	646							
Springfield	628							
Nonresidential Construction								
Industrial Vacancy Rate State Weighted Proxy	8.45							
Office Employment Index, 2000=100	107.0							
Office Vacancy Rate State Weighted Proxy	18.18							
Oil Rig Count	12							
- Annual Change, %	-11.8%							
Public Construction								
State Fiscal Balance (\$ Million)	\$5,770							
Total Revenues (\$ Million)	\$77,102							
- Annual Change, %	-23.8%							
Total Expenditures (\$ Million)	\$71,332							
- Annual Change, %	4.5%							
Highway and Street Activity								
Total State Highway Expenditures (\$ Million)	\$4,383							
- Annual Change, %	3.1%							
SAFETEA-LU Highway Expenditures (\$ Million)	\$1,340							
- Annual Change, %	6.6%							
SAFETEA-LU Highway Apportionments (\$ Million)	\$1,397							
- Annual Change, %	4.7%							
Discretionary State Highway Spending (\$ Million)	\$3,042							
- Annual Change, %	1.6%							

Note: Discretionary state highway spending reflects ARRA funding

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Estimated Construction Spending

Real Put-in-Place (\$1996, Million)

	2008	2009	2010	2011	2012	2013	2014	2015
Total Construction Spending	18,187							
- Annual Change, %	-11.4%							
Cement Intensity (MT/Mil\$1996)	154.9							
Residential Construction Activity								
Total Residential Construction Spending	6,121							
- Annual Change, %	-22.3%							
Single Family Construction	2,545							
- Annual Change, %	-35.5%							
- Share of Residential	42%							
Multi-Family Construction	558							
- Annual Change, %	10.5%							
- Share of Residential	9%							
Maintenance & Repair Construction	3,018							
- Annual Change, %	-12%							
- Share of Residential	49%							
Nonresidential Construction Activity								
Total Commercial Building Construction Spending	4,149							
- Annual Change, %	10.7%							
Industrial Construction	1,882							
- Annual Change, %	64.5%							
- Share of Commercial Building Construction	45.4%							
Office Construction	735							
- Annual Change, %	-26.7%							
- Share of Commercial Building Construction	17.7%							
Hotel/Motel Construction	248							
- Annual Change, %	-1.7%							
- Share of Commercial Building Construction	6.0%							
Retail & Other Commercial Construction	1,284							
- Annual Change, %	-4.9%							
- Share of Commercial Building Construction	31.0%							
Public Construction Activity								
Total Government Construction Spending	5,706							
- Annual Change, %	-15.2%							
Highway & Street Construction	1,635							
- Annual Change, %	1.0%							
- Share of Total Government	28.6%							
Public Buildings Construction	1,571							
- Annual Change, %	17.9%							
- Share of Total Government	27.5%							
Other Public Construction	2,501							
- Annual Change, %	-33.8%							
- Share of Total Government	43.8%							

Note: Sum of components will not match total due to exclusion of non building segments in PIP detail

OHIO Cement

	2008	2009	2010	2011	2012	2013	2014	2015
Total Portland Cement (Metric Tons)	2,817,075							
- Annual Change, %	-16.1%							
Cement Per Capita	0.246							
Residential Cement Consumption								
Total Residential Cement (MT)	495,706							
- Annual Change, %	-32.7%							
- Share of Total Cement	17.6%							
Total Single Family Cement (MT)	247,733							
- Annual Change, %	-33.7%							
- Cement Tons Per SF Permit	15.3							
Total Multi Family Cement (MT)	22,043							
- Annual Change, %	-4.2%							
- Cement Tons Per MF Permit	4.5							
Maintenance & Repair Cement (MT)	225,930							
- Annual Change, %	-33.5%							
- Cement Tons Per Housing Stock	43.9							
Nonresidential Cement Consumption								
Total Nonresidential Cement (MT)	446,330							
- Annual Change, %	-14.0%							
- Share of Total Cement	15.8%							
Total Commercial Building Cement (MT)	277,110							
- Annual Change, %	-35.0%							
- Share of Nonresidential	62.1%							
Total Industrial Cement (MT)	56,327							
- Annual Change, %	-2.5%							
- Share of Commercial Building Cement	20.3%							
Total Office Cement (MT)	38,519							
- Annual Change, %	-35.0%							
- Share of Commercial Building Cement	13.9%							
Hotel/Motel Cement (MT)	13,585							
- Annual Change, %	-19.2%							
- Share of Commercial Building Cement	4.9%							
Retail & Other Commercial Cement (MT)	138,356							
- Annual Change, %	-32.9%							
- Share of Commercial Building Cement	49.9%							
Commercial Maintenance & Repair Cement (MT)	30,324							
- Annual Change, %	-25.6%							
- Share of Commercial Building Cement	10.9%							

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Other Nonresidential Cement Consumption

	2008	2009	2010	2011	2012	2013	2014	2015
Total Non Commercial Cement	169,219							
-Annual Change, %	22.3%							
-Share of Nonresidential Cement	37.9%							
Oil Rig/Well Cement	41,161							
-Annual Change, %	73.0%							
-Share of Non Commercial Cement	24.3%							
Agricultural Cement	102,679							
-Annual Change, %	15.2%							
-Share of Non Commercial Cement	60.7%							
Miscellaneous Cement (MT)	25,379							
-Annual Change, %	-0.3%							
-Share of Non Commercial Cement	9.2%							

Government Cement Consumption

Total Government Cement (MT)	1,854,055							
- Annual Change, %	-11.8%							
-Share of Total Cement	65.8%							
Highway & Street Cement (MT)	1,292,071							
-Annual Change, %	-10.1%							
-Share of Total Government Cement	69.7%							
Public Buildings Cement (MT)	154,370							
-Annual Change, %	-24.7%							
-Share of Total Government Cement	8.3%							
Other Public Cement (MT)	407,614							
-Annual Change, %	-11.2%							
-Share of Total Government Cement	31.5%							

Summer 2011 State Forecast

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Total Portland Cement (Metric Tons)									
	2008	2009	2010	2011	2012	2013	2014	2015	2016
Alabama	1,558,586								
Arkansas	886,561								
Arizona	2,777,110								
California	9,367,793								
Colorado	2,155,619								
Connecticut	639,525								
District Of Columbia	168,211								
Delaware	216,444								
Florida	5,874,676								
Georgia	3,112,222								
Hawaii	397,193								
Iowa	1,658,143								
Idaho	506,719								
Illinois	3,293,204								
Indiana	1,719,561								
Kansas	1,430,119								
Kentucky	1,085,051								
Louisiana	2,477,026								
Massachusetts	919,796								
Maryland	1,222,923								
Maine	239,304								
Michigan	1,857,256								
Minnesota	1,374,802								
Missouri	2,079,355								
Mississippi	1,062,974								
Montana	349,498								
North Carolina	2,342,756								
North Dakota	391,152								
Nebraska	1,134,569								
New Hampshire	268,316								
New Jersey	1,594,551								
New Mexico	708,727								
Nevada	1,650,135								
New York	2,958,274								
Ohio	2,817,075								
Oklahoma	1,569,852								
Oregon	899,429								
Pennsylvania	2,803,692								
Rhode Island	139,509								
South Carolina	1,241,581								
South Dakota	453,269								
Tennessee	1,692,329								
Texas	14,161,008								
Utah	1,312,625								
Virginia	2,018,370								
Vermont	115,717								
Washington	2,076,668								
Wisconsin	1,729,044								
West Virginia	504,560								
Wyoming	496,418								

Annual Percent Change									
	2008	2009	2010	2011	2012	2013	2014	2015	2016
Alabama	-12.0%								
Arkansas	-17.5%								
Arizona	-27.3%								
California	-24.3%								
Colorado	-10.6%								
Connecticut	-15.4%								
District Of Columbia	-5.1%								
Delaware	-7.0%								
Florida	-25.5%								
Georgia	-22.5%								
Hawaii	-9.9%								
Iowa	-8.0%								
Idaho	-25.8%								
Illinois	-17.5%								
Indiana	-20.6%								
Kansas	5.2%								
Kentucky	-13.2%								
Louisiana	0.3%								
Massachusetts	-10.0%								
Maryland	-16.7%								
Maine	-20.0%								
Michigan	-15.2%								
Minnesota	-18.3%								
Missouri	-12.5%								
Mississippi	-10.4%								
Montana	-13.6%								
North Carolina	-21.1%								
North Dakota	10.9%								
Nebraska	-7.2%								
New Hampshire	-10.7%								
New Jersey	-8.4%								
New Mexico	-15.9%								
Nevada	-25.8%								
New York	-6.4%								
Ohio	-16.1%								
Oklahoma	4.7%								
Oregon	-27.5%								
Pennsylvania	-10.6%								
Rhode Island	-17.6%								
South Carolina	-23.2%								
South Dakota	-2.2%								
Tennessee	-23.6%								
Texas	-4.8%								
Utah	-22.0%								
Virginia	-14.8%								
Vermont	-12.4%								
Washington	-19.7%								
Wisconsin	-8.6%								
West Virginia	-3.3%								
Wyoming	7.9%								

Winter 2011-2012 State Forecast

Cement Update

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MINNESOTA

2009 2010 2011 2012 2013 2014 2015 2016

State Cement Consumption (Metric Tons)

Total Portland Cement	1,135,208
- Annual Change, %	-17.4%
Residential Cement Consumption	275,058
- Annual Change, %	-14.9%
- Share of Total Cement	24.2%
Commercial Cement Consumption	32,817
- Annual Change, %	-52.7%
- Share of Total Cement	2.9%
Oil Rig/Well Cement	---
-Annual Change, %	--
Agricultural Cement	217,774
-Annual Change, %	-16.5%
Government Cement Consumption	586,322
- Annual Change, %	-15.5%
-Share of Total Cement	51.6%

Estimated State Put-In-Place Construction Spending (Million \$1996)

Total Construction Spending	7,201
- Annual Change, %	-18.7%
Residential Construction Spending	2,700
- Annual Change, %	-20.3%
- Share of Total Spending	37.5%
Commercial Construction Spending	854
- Annual Change, %	-29.9%
- Share of Total Spending	11.9%
Public Construction Spending	2,638
- Annual Change, %	-18.6%
- Share of Total Spending	36.6%

Economic Indicators

Gross State Product, Real (\$2005, Millions)	\$235,959
- Annual Change, %	-2.9%
Unemployment Rate (%)	8.1%
Single Family Permits	6,822
- Annual Change, %	-18.4%
Multi Family Permits	2,367
- Annual Change, %	1.5%

Metrics

Cement Intensity (MT/Mil\$1996)	157.7
Cement Per Capita	0.215
Cement Per GSP (MT/Mil\$2005)	4.8