

# Chicago Fed Midwest Manufacturing Index

## Midwest Manufacturing Output Increased in December

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**Media Contact:  
Laura LaBarbera  
laura.labarbera@chi.frb.org  
312-322-2387**

**Federal Reserve Bank of Chicago  
230 South LaSalle Street  
Chicago, IL 60604**

**2013 Release Dates:  
March 25, 2013  
April 8, 2013  
April 29, 2013  
May 28, 2013  
June 27, 2013  
July 29, 2013  
August 27, 2013  
September 30, 2013  
October 28, 2013  
November 27, 2013  
December 30, 2013**

The Chicago Fed Midwest Manufacturing Index (CFMMI) increased 0.7% in December, to a seasonally adjusted level of 94.7 (2007 = 100). Revised data show the index was up 2.0% in November. The Federal Reserve Board's industrial production index for manufacturing (IPMFG) moved up 0.8% in December. Regional output rose 6.2% in December from a year earlier, and national output increased 2.7%.

Production in two of the four regional sectors increased in December:

- Regional auto sector production rose 1.5%;
- Regional steel sector output improved 0.7%;
- Regional resource sector output moved down 0.1%; and
- Regional machinery sector production decreased 0.3%.

The region's auto sector production rose 1.5% in December after increasing 4.0% in November. National auto production increased 1.3% in December. The Midwest's automotive output was up 16.8% in December relative to its year-ago level, and national automotive output was up 10.2%.

The region's steel sector output improved 0.7% in December, following a gain of 1.6% in the previous month. The nation's steel output was up 1.0% in December. Regional steel output was up 3.3% from its December 2011 level, and national steel output was up 1.6%.

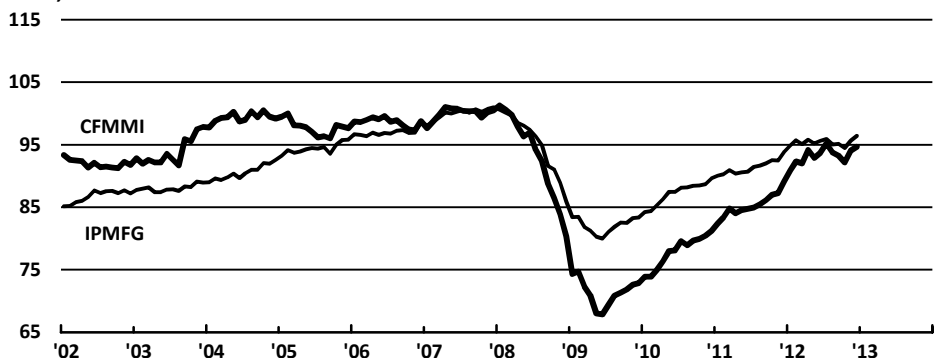
The Midwest resource sector's output moved down 0.1% in December after moving up 0.8% in November. The national resource sector's output was up 0.3% in December. Production in the regional resource sector's food, wood, and paper subsectors decreased from November to December, while production in its chemical and nonmetallic mineral subsectors increased. Compared with a year ago, regional resource output was up 0.4% in December, while national resource output was up 0.1%.

The Midwest's machinery sector production decreased 0.3% in December after increasing 0.8% in November. The nation's machinery production increased 0.8% in December. Regional machinery output was up 1.0% in December from its year-ago level, and national machinery output was up 1.7%.

— *William A. Strauss • Senior Economist and Economic Advisor • 312-322-8151*

### Chicago Fed Midwest Manufacturing Index

Index, 2007=100



**The next CFMMI will be released:  
March 25, 2013  
8:30 am Eastern Time  
7:30 am Central Time**

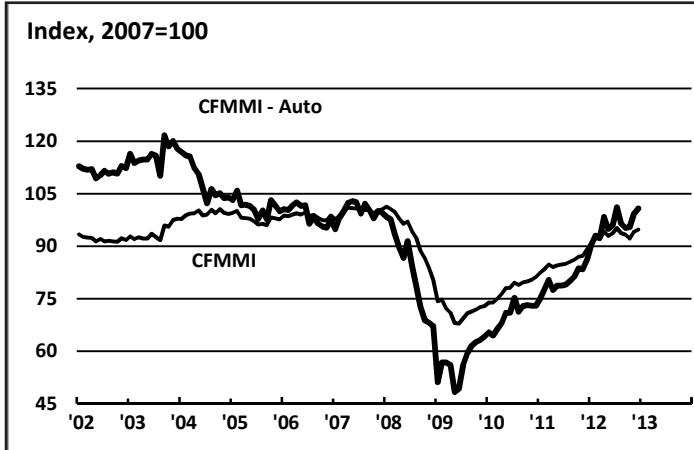
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### Manufacturing Output Indexes

	percent change from		
	1 month ago	3 months ago	1 year ago
Chicago Fed Midwest Manufacturing Index (CFMMI)	0.7	1.5	6.2
US Industrial Production-Manufacturing (IPMFG)	0.8	1.3	2.7

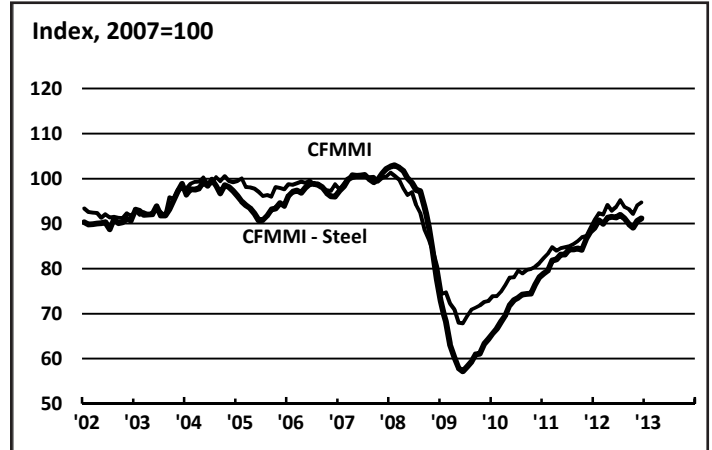
# Tracking Midwest Manufacturing Activity by Sectors — December

## Auto Sector



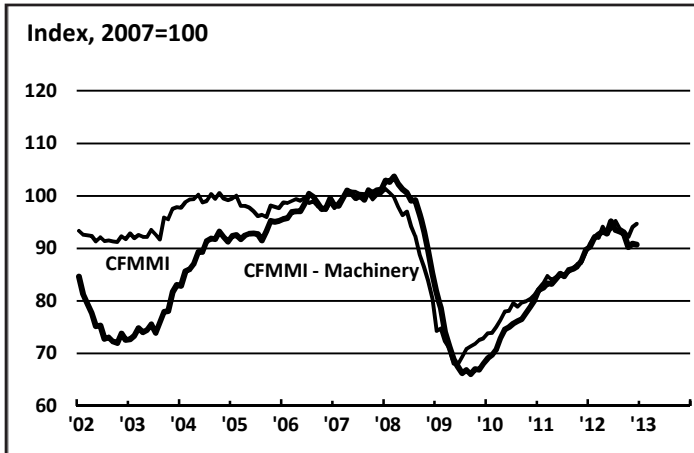
Auto Sector CFMMI Components:  
Plastics and Rubber Products; Transportation Equipment

## Steel Sector



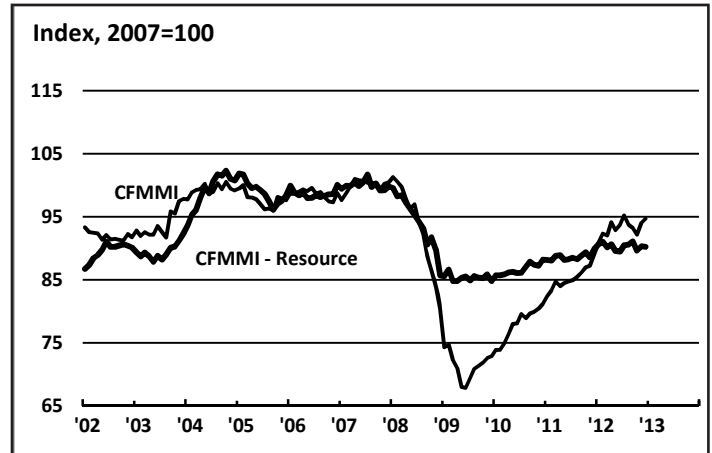
Steel Sector CFMMI Components:  
Primary Metal Industries; Fabricated Metal Products

## Machinery Sector



Machinery Sector CFMMI Components:  
Machinery; Computer and Electronic Products; Electrical Equipment, Appliance, and Components Manufacturing

## Resource Sector



Resource Sector CFMMI Components:  
Food; Wood Products; Paper; Chemicals; Nonmetallic Mineral Products

### Manufacturing Activity: Summary Table

	Index, 2007=100			Percentage Change			
	Oct 12	Nov 12	Dec 12	Monthly			Annual
				Oct 12	Nov 12	Dec 12	Dec 11 - Dec 12
CFMMI	92.2	94.1	94.7	-1.2	2.0	0.7	6.2
CFMMI - Auto	95.4	99.2	100.7	0.2	4.0	1.5	16.8
CFMMI - Steel	89.1	90.6	91.2	-0.8	1.6	0.7	3.3
CFMMI - Machinery	90.2	90.9	90.7	-2.7	0.8	-0.3	1.0
CFMMI - Resource	89.6	90.3	90.3	-1.7	0.8	-0.1	0.4
IPMFG	94.5	95.7	96.4	-0.7	1.2	0.8	2.7

The Chicago Fed Midwest Manufacturing Index (CFMMI) is a monthly estimate of manufacturing output in the region by major industry. The Midwest is defined as the five states in the Seventh Federal Reserve District—Illinois, Indiana, Iowa, Michigan, and Wisconsin. The CFMMI is a composite index of 15 manufacturing industries (identified by three-digit North American Industry Classification System codes) that uses hours worked data to measure monthly changes in regional activity. The CFMMI provides a regional comparison with the manufacturing component of the Industrial Production Index (IPMFG) compiled by the Federal Reserve Board. Although the IPMFG is constructed differently than the CFMMI, it also uses hours worked data as measures of industry output for about 60% of its total production index.

**CFMMI and IPMFG historical data are available on the Federal Reserve Bank of Chicago's website at [www.chicagofed.org/cfmmi](http://www.chicagofed.org/cfmmi).**