

# Chicago Fed Midwest Manufacturing Index

## Midwest Manufacturing Output Increased in September

The Chicago Fed Midwest Manufacturing Index (CFMMI) increased 0.4% in September, to a seasonally adjusted level of 85.2 (2007 = 100). Revised data show the index increased 0.5% in August. The Federal Reserve Board's industrial production index for manufacturing (IPMFG) increased 0.4% in September. Regional output in September rose 7.2% from a year earlier, and national output increased 4.3%.

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

- Regional auto sector production increased 1.2%;
- Regional resource sector output moved up 0.5%;
- Regional machinery sector production decreased 0.1%; and
- Regional steel sector output declined 0.5%.

The region's auto sector production increased 1.2% in September after increasing 0.5% in August. National auto output rose 1.1% in September. The Midwest's automotive output was up 9.9% in September relative to its year-ago level, and national automotive output was up 8.0%.

The Midwest resource sector's output moved up 0.5% in September after a 0.1% decrease in the previous month. The national resource sector's output increased 0.3% September. The food, wood, paper, and chemical subsectors of the regional resource sector increased from August to September, but the nonmetallic subsector decreased. Compared with a year ago, regional resource output was down 1.4% in September and national resource output was down 0.4%.

The Midwest's machinery sector production decreased 0.1% in September after increasing 1.5% in August. The nation's machinery production rose 0.7% in September. Regional machinery output in September was up 12.9% from its year-earlier level, and national machinery output was up 6.7%.

The region's steel sector output declined 0.5% in September after moving up 0.3% in the previous month. The nation's steel output decreased 0.3% in September. Regional steel output was up 15.5% from its September 2010 level, and national steel output was up 9.2%.

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

**Embargoed for release:  
October 27, 2011  
8:30 am Eastern Time  
7:30 am Central Time**

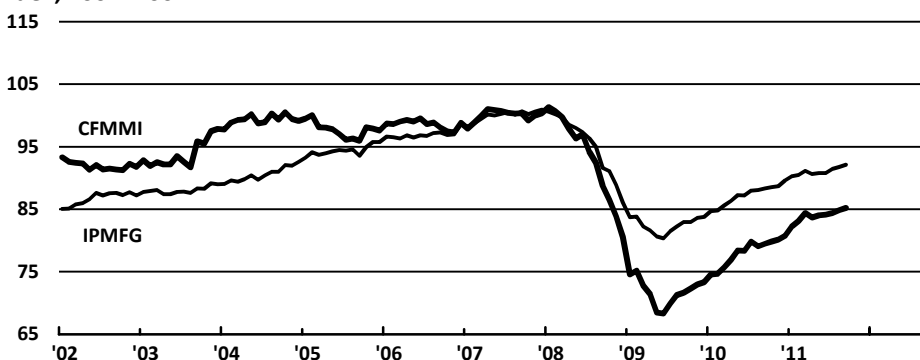
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**2011 and 2012 Release Dates:  
November 28, 2011  
December 27, 2011  
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April 30, 2012  
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July 30, 2012  
August 27, 2012  
September 27, 2012  
October 29, 2012  
November 27, 2012  
December 27, 2012**

### Chicago Fed Midwest Manufacturing Index

Index, 2007=100



**The next CFMMI will be released:  
November 28, 2011  
8:30 am Eastern Time  
7:30 am Central Time**

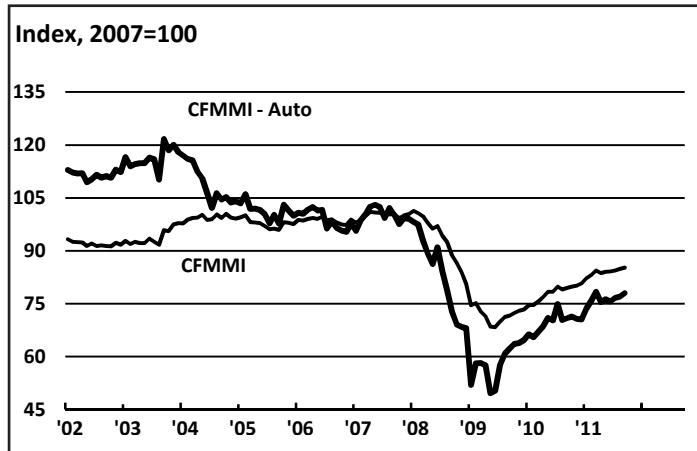
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### Manufacturing Output Indexes

	percent change from		
	1 month ago	3 months ago	1 year ago
Chicago Fed Midwest Manufacturing Index (CFMMI)	0.4	1.3	7.2
US Industrial Production-Manufacturing (IPMFG)	0.4	1.5	4.3

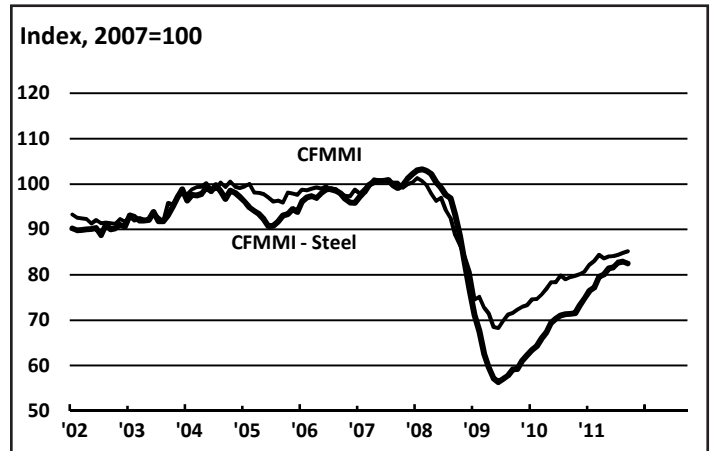
# Tracking Midwest Manufacturing Activity by Sectors — September

## Auto Sector



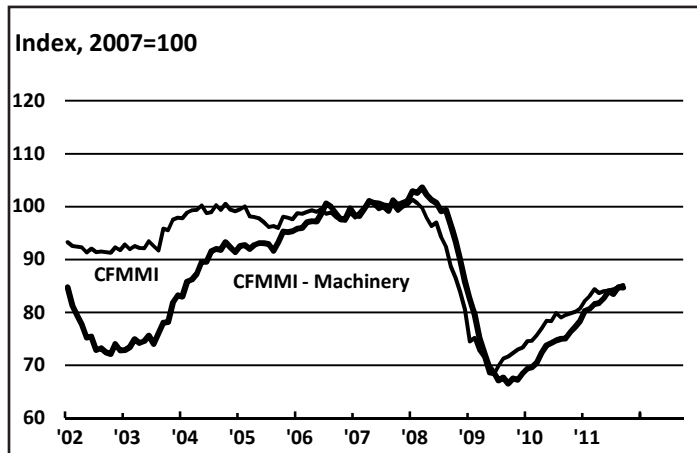
Auto Sector CFMMI Components:  
Plastics and Rubber Products; Transportation Equipment

## Steel Sector



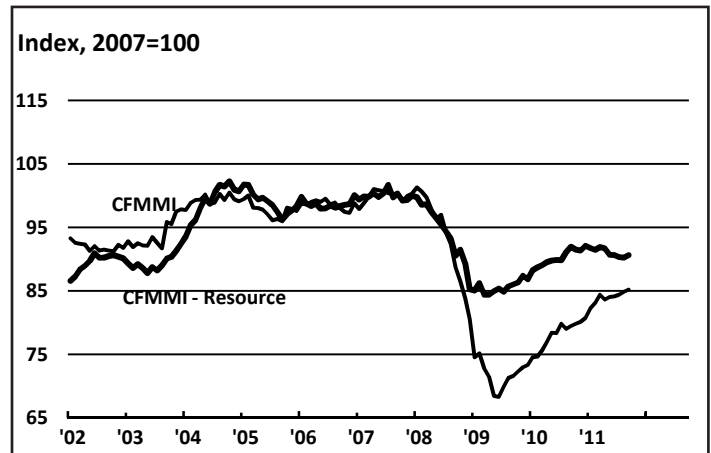
Steel Sector CFMMI Components:  
Primary Metal Industries; Fabricated Metal Products

## 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			
	Jul 11	Aug 11	Sep 11	Monthly			Sep 10 - Sep 11
				Jul 11	Aug 11	Sep 11	
CFMMI	84.4	84.8	85.2	0.3	0.5	0.4	7.2
CFMMI - Auto	76.6	77.0	78.0	1.4	0.5	1.2	9.9
CFMMI - Steel	82.7	82.9	82.5	1.3	0.3	-0.5	15.5
CFMMI - Machinery	83.5	84.8	84.7	-0.6	1.5	-0.1	12.9
CFMMI - Resource	90.3	90.2	90.7	-0.3	-0.1	0.5	-1.4
IPMFG	91.4	91.7	92.1	0.7	0.3	0.4	4.3

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 comprising the Seventh Federal Reserve District: Illinois, Indiana, Iowa, Michigan, and Wisconsin. The CFMMI is a composite index of 15 manufacturing industries (identified by 3-digit NAICS 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 percent of its total production index.

CFMMI and IPMFG historical data are available on the Federal Reserve Bank of Chicago's Web site at <http://www.chicagofed.org>.