

# Chicago Fed Midwest Manufacturing Index

## Midwest Manufacturing Output Increased in November

The Chicago Fed Midwest Manufacturing Index (CFMMI) increased 0.4% in November, to a seasonally adjusted level of 81.1 (2007 = 100). Revised data show the index edged up 0.3% in October to 80.8. The Federal Reserve Board's industrial production index for manufacturing (IPMFG) increased 0.3% in November. Regional output in November rose 7.9% from a year earlier, and national output increased 6.0%.

Three of the four regional sectors increased in November:

- Regional steel sector output increased 2.3%;
- Regional machinery sector production rose 1.4%;
- Regional resource sector output moved up 0.4%; and
- Regional auto sector production decreased 2.2%.

The region's steel sector output increased 2.3% in November after ticking down 0.1% in the previous month. The nation's steel output increased 1.8% in November. Regional steel output was up 18.0% from its November 2009 level, and national steel output was up 11.0%.

The Midwest's machinery sector production rose 1.4% in November after increasing 2.0% in October. The nation's machinery production increased 1.1% in November. Regional machinery output in November was up 12.1% from its year-earlier level, and national machinery output was up 12.7%.

The Midwest resource sector's output moved up 0.4% in November after decreasing 0.6% in the previous month. The national resource sector's output also increased 0.4% in November. The wood, paper, and chemical production subsectors of the regional resource sector increased from October to November, while the food and nonmetallic subsectors decreased. Compared with a year ago, regional resource output was up 5.1% in November and national resource output was up 3.1%.

The region's auto sector production decreased 2.2% in November after ticking down 0.1% in October. National auto output declined 1.7% in November. The Midwest's automotive output was up 6.1% in November relative to its year-ago level, and national automotive output was up 3.6%.

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

**Embargoed for release:  
December 27, 2010  
Noon Eastern Time  
11:00 am Central Time**

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**2011 Release Dates:**

**January 27, 2011  
March 17, 2011  
April 6, 2011  
April 27, 2011  
May 31, 2011  
June 27, 2011  
July 27, 2011  
August 29, 2011  
September 27, 2011  
October 27, 2011  
November 28, 2011  
December 27, 2011**

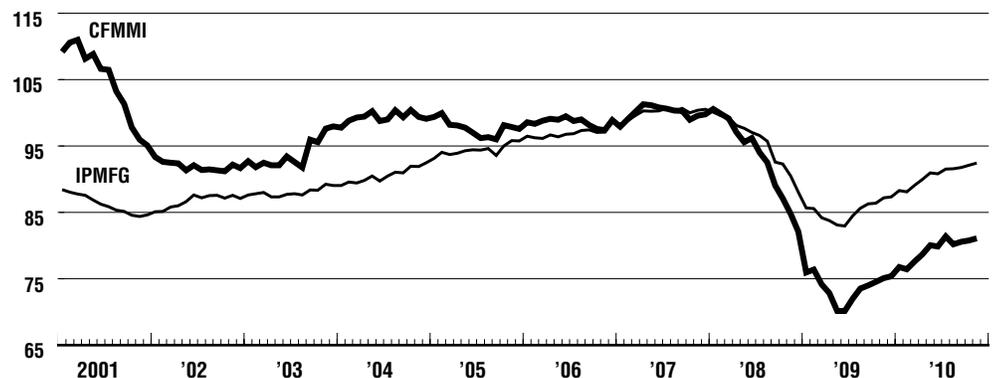
NOTE: Beginning with the January 27, 2011, release, the release time will be shifted from noon Eastern Time to 8:30 am Eastern Time.

**The next CFMMI will be released:  
January 27, 2011  
8:30 am Eastern Time  
7:30 am Central Time**

**FEDERAL RESERVE BANK  
OF CHICAGO**

**Chicago Fed Midwest Manufacturing Index**

Index, 2007=100

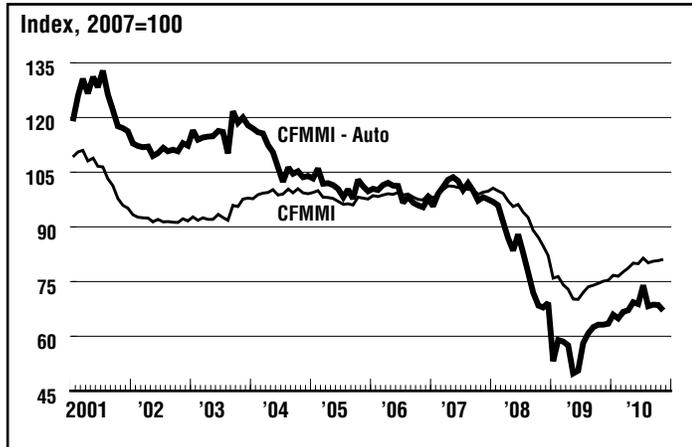


**Manufacturing output indexes—November**

	percent change from		
	1 month ago	3 months ago	1 year ago
Chicago Fed Midwest Manufacturing Index (CFMMI)	0.4	1.1	7.9
US Industrial Production-Manufacturing (IPMFG)	0.3	0.9	6.0

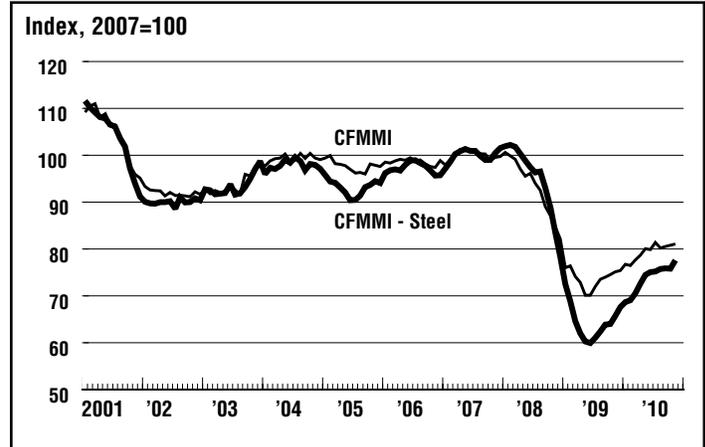
# Tracking Midwest Manufacturing Activity by Sectors — November 2010

## Auto Sector



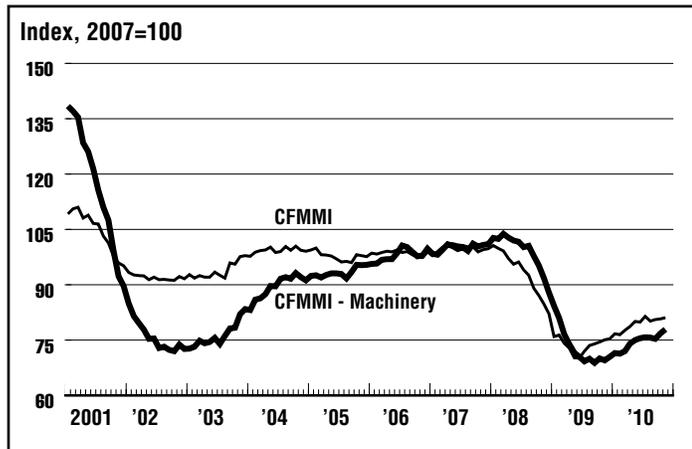
Auto Sector CFMMI Components:  
Plastics and Rubber Products; Transportation Equipment

## Steel Sector



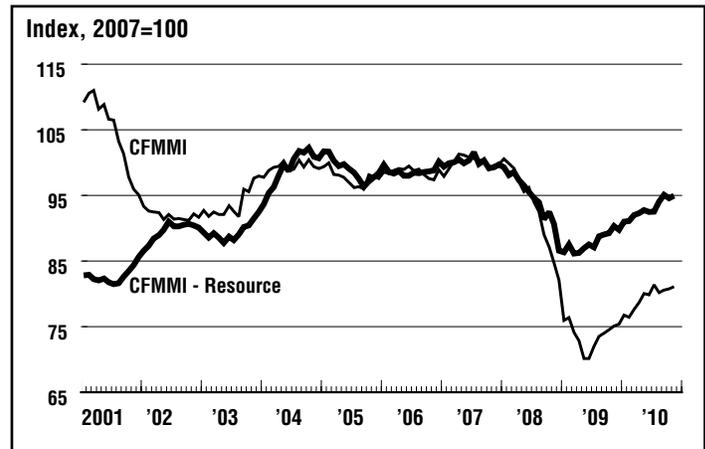
Steel Sector CFMMI Components:  
Primary Metal Industries; Fabricated Metal Products

## 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			Percent change			
	Sep 10	Oct 10	Nov 10	Monthly		Annual	Nov 09–Nov 10
				Sep 10	Oct 10		
CFMMI	80.6	80.8	81.1	0.5	0.3	0.4	7.9
CFMMI - Auto	68.6	68.6	67.1	0.6	-0.1	-2.2	6.1
CFMMI - Steel	75.9	75.8	77.6	0.2	-0.1	2.3	18.0
CFMMI - Machinery	75.3	76.9	77.9	-0.4	2.0	1.4	12.1
CFMMI - Resource	95.1	94.6	95.0	1.1	-0.6	0.4	5.1
IPMFG	91.8	92.1	92.4	0.2	0.4	0.3	6.0

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>.