

# Chicago Fed Midwest Manufacturing Index

## Midwest Manufacturing Output Falls in November

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**2005 Release Dates:  
January 27, 2005  
March 15, 2005  
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July 27, 2005  
August 25, 2005  
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October 27, 2005  
November 29, 2005  
December 27, 2005**

The Chicago Fed Midwest Manufacturing Index (CFMMI) fell 0.3% in November, to a seasonally adjusted level of 117.1 (1997=100). Revised data show the index increased 1.3% in October, to 117.5. The Federal Reserve Board's industrial production index for manufacturing (IPMFG) rose 0.3% in November. Regional output in November was 2.6% higher than a year earlier, less than the nation's 4.7% increase.

A large decline in regional auto output was only partially offset by increases in the remaining three CFMMI sub-sectors. Regional auto output decreased 1.1% from its October level, output in both the machinery sector and resource sector edged higher by 0.1%, and steel sector production rose 0.5%.

Midwest auto sector production fell 1.1% in November after rising 3.6% in October. The nation's auto output edged up 0.1% in November. Compared with a year earlier, Midwest automotive output was 2.7% lower in November, while national output was up 3.1%.

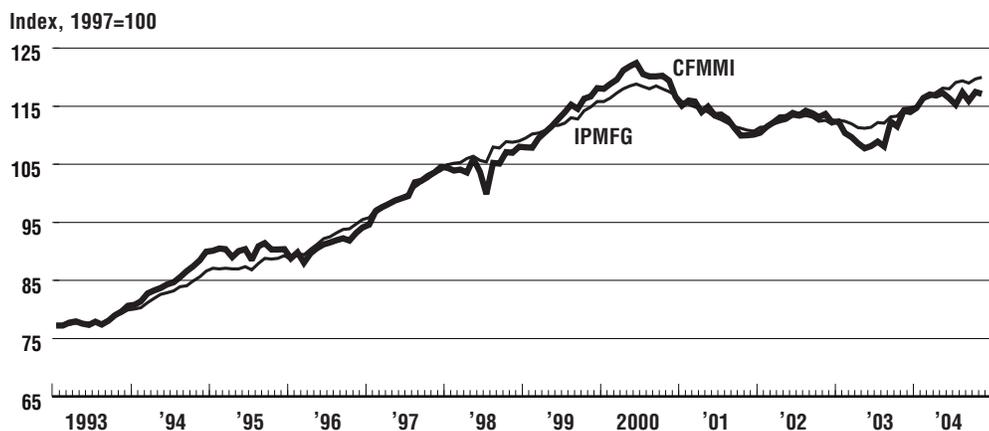
Midwest machinery sector output increased 0.1% in November after falling 0.2% in October. The nation's machinery output rose 0.2% in November. Regional machinery output in November was 6.1% above year-earlier levels, while national output was up 11.3%.

The Midwest resource sector's output rose 0.1% in November after remaining unchanged in October. The nation's resource sector output was up 0.2% in November. Increases in regional nonmetallic mineral, and chemical production were somewhat offset by declines in paper, wood and food production in November. Compared with a year ago, regional resource output was up 3.5% in November, while national output was up 3.2%.

The region's steel sector output rose 0.5% in November after increasing 1.0% in October. The nation's steel output increased 0.3% in November. Both primary metal and fabricated metal production contributed to the solid performance in Midwest steel output. Regional steel output was 7.4% above its November 2003 level compared with a 4.2% increase in the nation.

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

**Chicago Fed Midwest Manufacturing Index**



**The next CFMMI will be released:  
January 27, 2005  
Noon Eastern Time  
11:00 am Central Time**

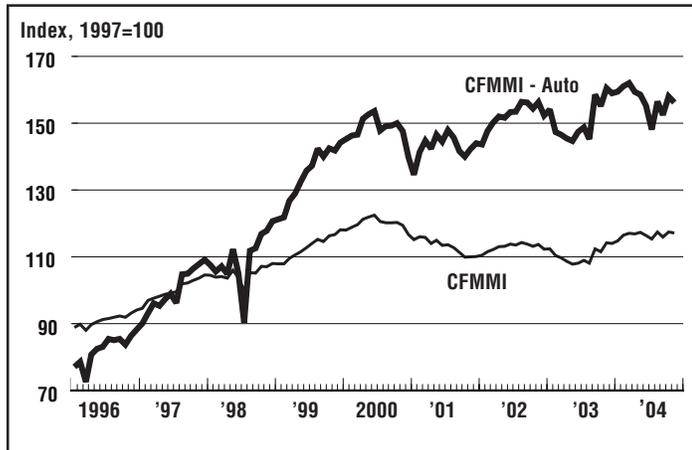
FEDERAL RESERVE BANK  
OF CHICAGO

**Manufacturing output indexes—November**

	percent change from		
	1 month ago	3 months ago	1 year ago
Chicago Fed Midwest Manufacturing Index (CFMMI)	-0.3	-0.2	2.6
US Industrial Production-Manufacturing (IPMFG)	0.3	0.5	4.7

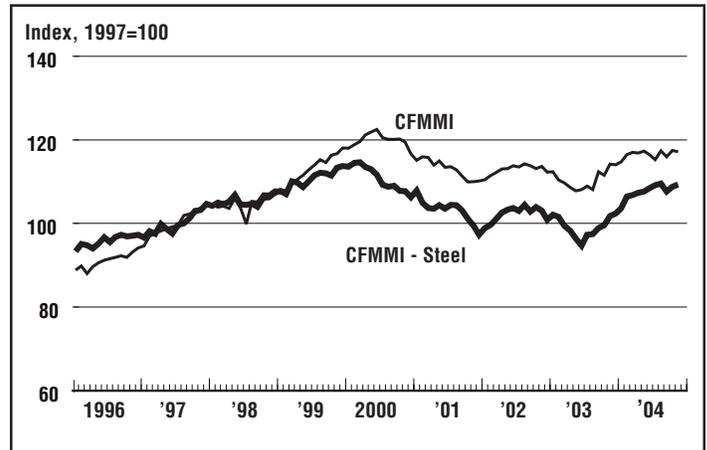
# Tracking Midwest Manufacturing Activity by Sectors — November 2004

## Auto Sector



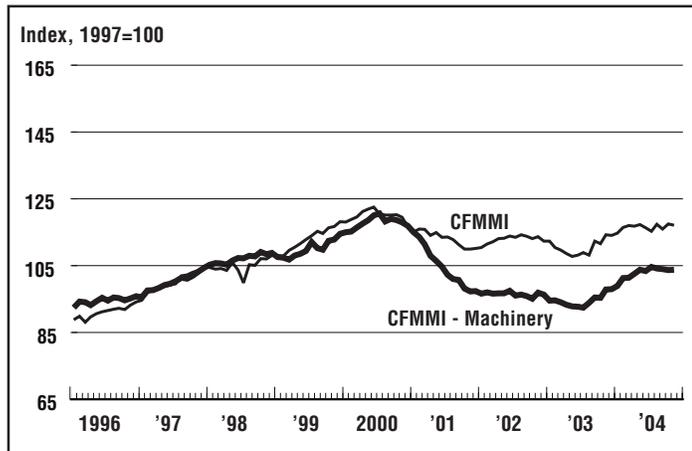
Auto Sector CFMMI Components:  
Plastics and Rubber Products; Transportation Equipment

## Steel Sector



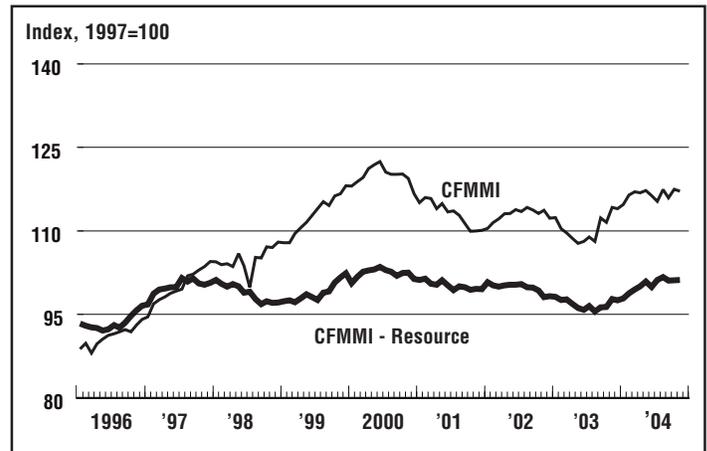
Steel Sector CFMMI Components:  
Primary Metal Industries; Fabricated Metal Products

## Machinery Sector



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

## Resource Sector



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

## Manufacturing Activity: Summary Table

	Index, 1997=100			Percent change			
	Sep 04	Oct 04	Nov 04	Monthly			Annual Nov 03–Nov 04
				Sep 04	Oct 04	Nov 04	
<b>CFMMI</b>	115.9	117.5	117.1	-1.3	1.3	-0.3	2.6
<b>CFMMI - Auto</b>	152.5	157.9	156.2	-2.6	3.6	-1.1	-2.7
<b>CFMMI - Steel</b>	107.7	108.8	109.3	-1.7	1.0	0.5	7.4
<b>CFMMI - Machinery</b>	104.0	103.7	103.8	-0.1	-0.2	0.1	6.1
<b>CFMMI - Resource</b>	101.1	101.1	101.2	-0.6	0.0	0.1	3.5
<b>IPMFG</b>	119.0	119.7	120.0	-0.3	0.6	0.3	4.7

Note: Three of the seventeen industries in the CFMMI are not included in any of the four sectors above. These are Furniture and Related Products; Printing and Related Support Activities; Miscellaneous Manufacturing.

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 electrical power and 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 electrical power and 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>