

Chicago Fed Midwest Manufacturing Index

Midwest Manufacturing Output Rises in November

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2003 Release Dates:
February 11
March 11
April 10
May 12
June 11
July 10
August 11
September 11
October 9
November 10
December 11

The Chicago Fed Midwest Manufacturing Index (CFMMI) rose 0.1% in November to a seasonally adjusted level of 104.2 (1997=100). Revised data show the index was down 0.4% to 104.1 in October. The Federal Reserve Board's industrial production index for manufacturing (IPMFG) was up 0.1% in November after falling 0.4% in October. November output in the region was 3.0% higher than a year earlier, while output in the nation was 1.6% higher.

Output in two of the four CFMMI sub-sectors fell in November, while one remained unchanged and one rose. Midwest auto sector output posted the only increase, rising 1.8% in November after falling 1.5% in the month prior. The machinery sector's output was unchanged in November after edging down 0.2% in October. Regional resource sector output decreased 0.3% in November after being flat the previous month. Output in the Midwest steel sector fell 1.4% in November after rising 0.9% in October.

Midwest automotive output rose 1.8% in November, while the nation's auto output was up 1.4%. Strong incentive financing programs by the industry continue to drive vehicle sales. Compared with a year earlier, Midwest automotive output was 9.7% higher while national output was up 4.1%.

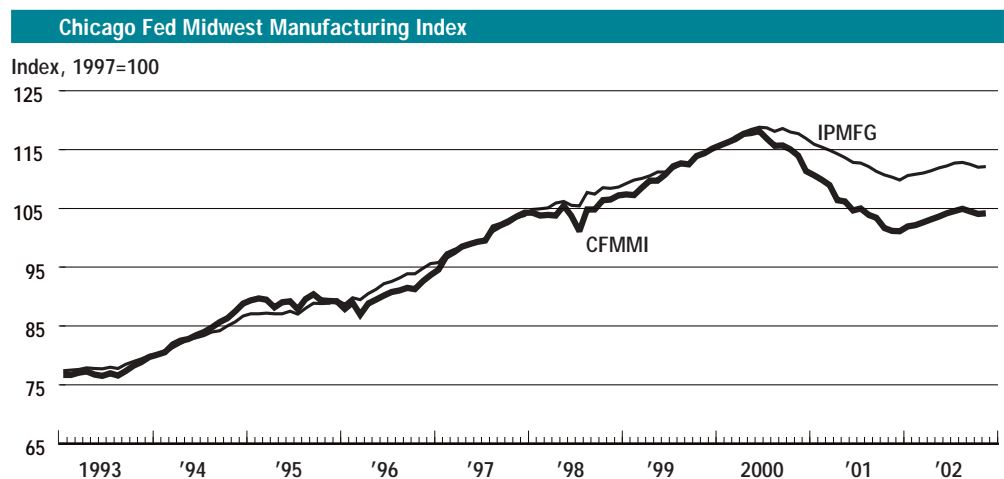
Midwest machinery output was unchanged in November compared with October while the nation's output increased 0.4%. Regional machinery output in November was 0.4% above year earlier levels while national machinery output was up 1.1%.

The Midwest resource sector's output decreased 0.3% in November while the nation's output was unchanged. Losses were greatest in regional petroleum, printing, nonmetallic minerals, and wood products. Compared with a year ago, regional resource output was 1.3% higher in November, compared with a 0.9% gain for the nation.

The region's steel sector output edged down 1.4% in November, the same decline experienced by the nation. Regional steel output was 3.6% above its November 2001 level, compared with a 0.9% increase in the nation.

*The CFMMI underwent two changes with this release. Regional output data was rebenchmarked to incorporate information from the 2000 Annual Survey of Manufacturers. Also, the CFMMI and the IPMFG data are now both calculated using the North American Industry Classification System (NAICS). To preserve continuity, historical CFMMI data were revised back to 1973 under NAICS.

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



The next CFMMI will be released:
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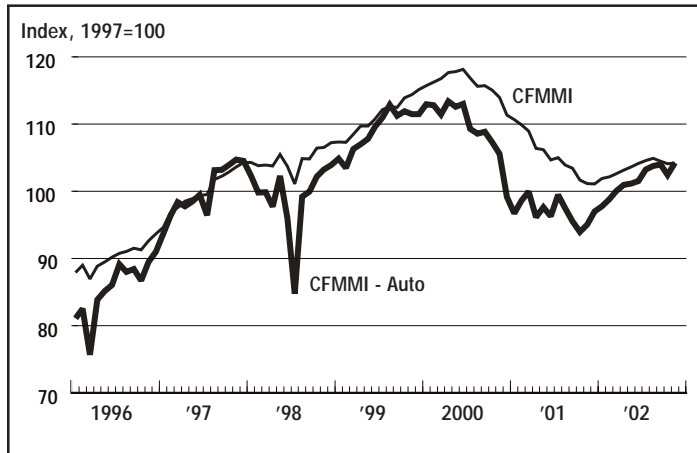
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Manufacturing output indexes—November 2002

	percent change from		
	1 month ago	3 months ago	1 year ago
Chicago Fed Midwest Manufacturing Index (CFMMI)	0.1	-0.7	3.0
US Industrial Production-Manufacturing (IPMFG)	0.1	-0.6	1.6

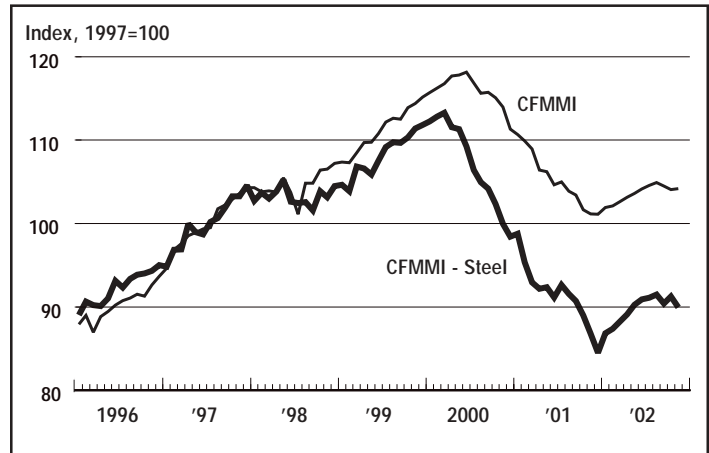
Tracking Midwest Manufacturing Activity by Sectors — November 2002

Auto Sector



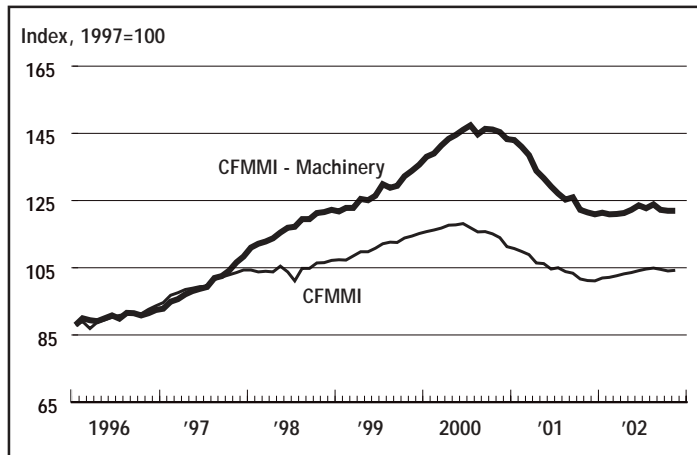
Auto Sector CFMMI Components:
Plastics and Rubber Products; Transportation Equipment

Steel Sector



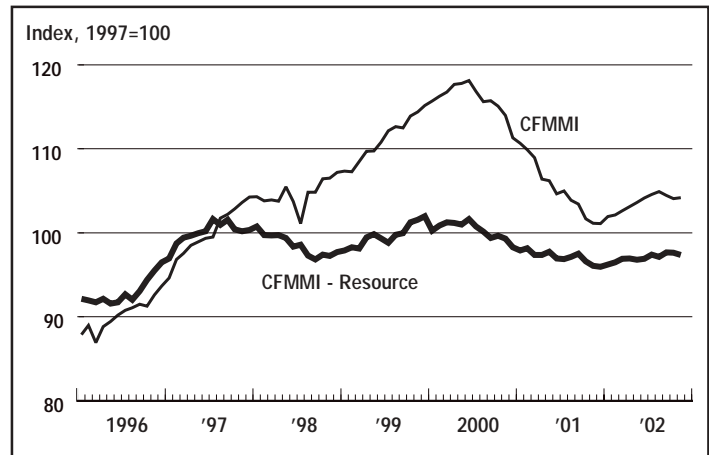
Steel Sector CFMMI Components:
Primary Metal Industries; Fabricated Metal Products

Machinery Sector



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

Resource Sector



Resource Sector CFMMI Components:
Food; Beverage and Tobacco; Wood Product; Paper; Petroleum and Coal Products; Chemicals; Nonmetallic Mineral Products

Manufacturing Activity: Summary Table

	Index, 1997=100			Percent change			
	Sep 02	Oct 02	Nov 02	Monthly		Nov 02	Annual Nov 01–Nov 02
				Sep 02	Oct 02		
CFMMI	104.5	104.1	104.2	-0.4	-0.4	0.1	3.0
CFMMI - Auto	104.0	102.4	104.2	0.2	-1.5	1.8	9.7
CFMMI - Steel	90.4	91.2	89.9	-1.2	0.9	-1.4	3.6
CFMMI - Machinery	122.2	121.9	121.9	-1.4	-0.2	0.0	0.4
CFMMI - Resource	97.7	97.6	97.4	0.5	0.0	-0.3	1.3
IPMFG	112.5	112.0	112.1	-0.3	-0.4	0.1	1.6

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 17 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>