

# Chicago Fed Midwest Manufacturing Index

## Midwest Manufacturing Output Increased in October

The Chicago Fed Midwest Manufacturing Index (CFMMI) increased 0.7% in October, to a seasonally adjusted level of 85.5 (2007 = 100). Revised data show the index increased 0.2% in September. The Federal Reserve Board's industrial production index for manufacturing (IPMFG) increased 0.5% in October. Regional output in October rose 7.3% from a year earlier, and national output increased 4.5%.

Production in three of the four regional sectors increased in October:

- Regional auto sector production increased 2.3%;
- Regional resource sector output rose 0.5%;
- Regional machinery sector production moved up 0.3%; and
- Regional steel sector output decreased 0.4%.

The region's auto sector production increased 2.3% in October after increasing 0.3% in September. National auto output rose 2.2% in October. The Midwest's automotive output was up 11.0% in October relative to its year-ago level, and national automotive output was up 9.0%.

The Midwest resource sector's output rose 0.5% in October after increasing 0.6% in the previous month. The national resource sector's output increased 0.3% in October. The food and chemical subsectors of the regional resource sector increased from September to October, but the wood, paper, and nonmetallic subsectors decreased. Compared with a year ago, regional resource output was down 0.4% in October but national resource output was up 0.5%.

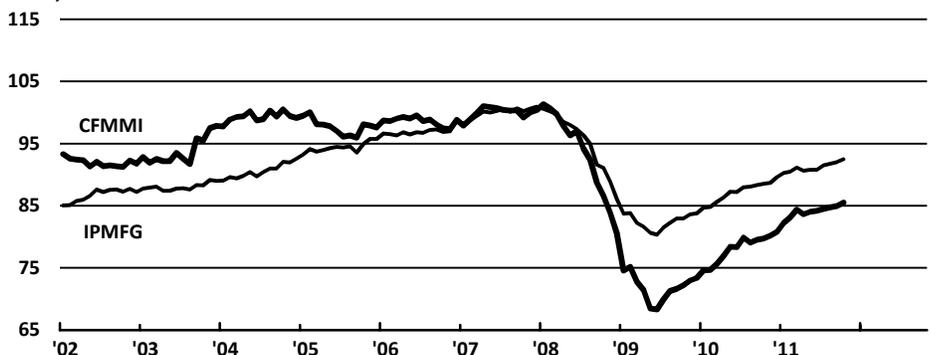
The Midwest's machinery sector production moved up 0.3% in October after decreasing 0.2% in September. The nation's machinery production rose 0.5% in October. Regional machinery output in October was up 11.6% from its year-earlier level, and national machinery output was up 6.5%.

The region's steel sector output decreased 0.4% in October after moving down 0.7% in the previous month. In contrast, the nation's steel output increased 0.4% in October. Regional steel output was up 14.3% from its October 2010 level, and national steel output was up 9.4%.

— *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:  
**December 27, 2011**  
 8:30 am Eastern Time  
 7:30 am Central Time

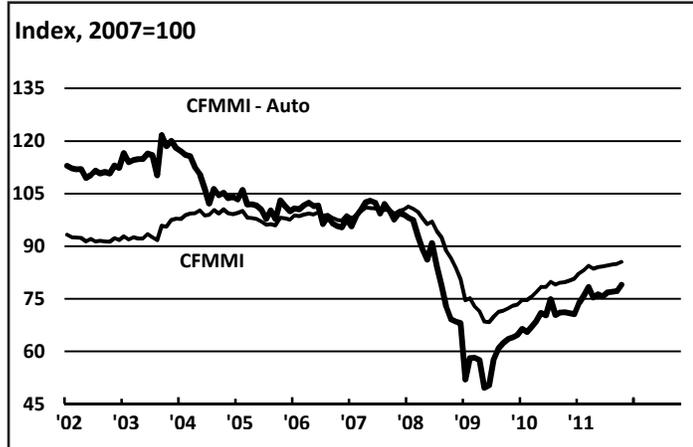
FEDERAL RESERVE BANK  
 OF CHICAGO

### Manufacturing Output Indexes

	percent change from		
	1 month ago	3 months ago	1 year ago
Chicago Fed Midwest Manufacturing Index (CFMMI)	0.7	1.2	7.3
US Industrial Production-Manufacturing (IPMFG)	0.5	1.1	4.5

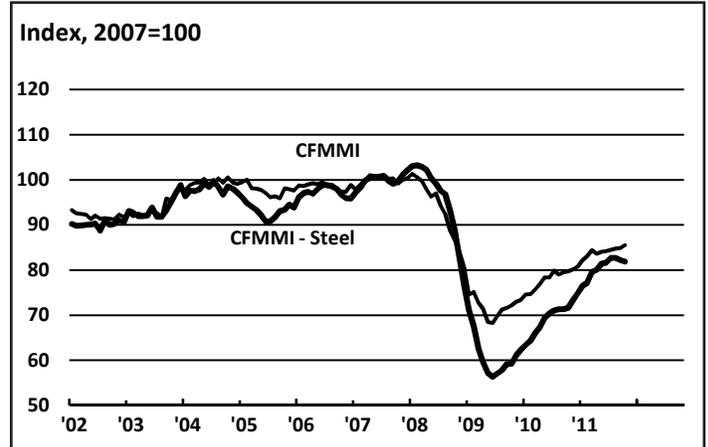
# Tracking Midwest Manufacturing Activity by Sectors — October

## Auto Sector



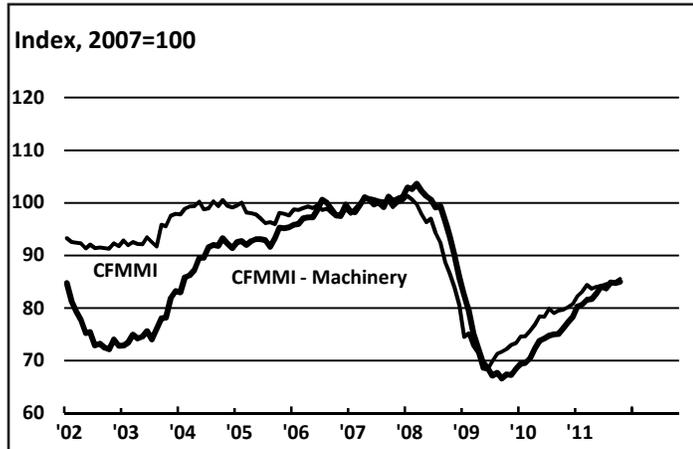
Auto Sector CFMMI Components:  
Plastics and Rubber Products; Transportation Equipment

## Steel Sector



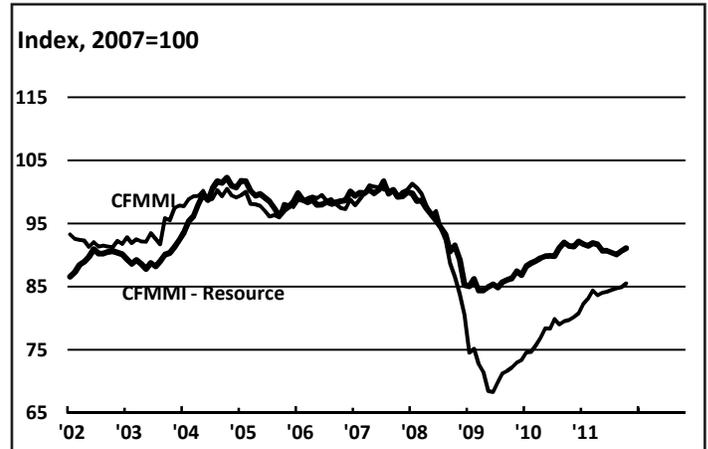
Steel Sector CFMMI Components:  
Primary Metal Industries; Fabricated Metal Products

## 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			
	Aug 11	Sep 11	Oct 11	Monthly			Annual
				Aug 11	Sep 11	Oct 11	Oct 10 - Oct 11
CFMMI	84.8	84.9	85.5	0.3	0.2	0.7	7.3
CFMMI - Auto	77.0	77.2	79.0	0.2	0.3	2.3	11.0
CFMMI - Steel	82.7	82.2	81.8	0.0	-0.7	-0.4	14.3
CFMMI - Machinery	84.9	84.7	85.0	1.3	-0.2	0.3	11.6
CFMMI - Resource	90.1	90.7	91.1	-0.3	0.6	0.5	-0.4
IPMFG	91.7	92.0	92.5	0.2	0.3	0.5	4.5

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>.