

# Chicago Fed Midwest Manufacturing Index

## Midwest Manufacturing Output Unchanged in June

The Chicago Fed Midwest Manufacturing Index (CFMMI) was essentially unchanged in June, at a seasonally adjusted level of 84.0 (2007 = 100). Revised data show the index increased 0.4% in May. The Federal Reserve Board's industrial production index for manufacturing (IPMFG) was also essentially unchanged in June. Regional output in June rose 7.1% from a year earlier, and national output increased 4.1%.

The regional steel and machinery sectors increased in June, while the resource and auto sectors decreased:

- Regional steel sector output increased 1.7%;
- Regional machinery sector production rose 1.0%;
- Regional resource sector output decreased 0.6%; and
- Regional auto sector production declined 1.3%.

The region's steel sector output increased 1.7% in June after moving up 1.9% in the previous month. The nation's steel output rose 1.5% in June. Regional steel output was up 17.3% from its June 2010 level, and national steel output was up 10.3%.

The Midwest's machinery sector production rose 1.0% in June after increasing 1.0% in May. The nation's machinery production decreased 0.3% in June. Regional machinery output in June was up 12.4% from its year-earlier level, and national machinery output was up 6.9%.

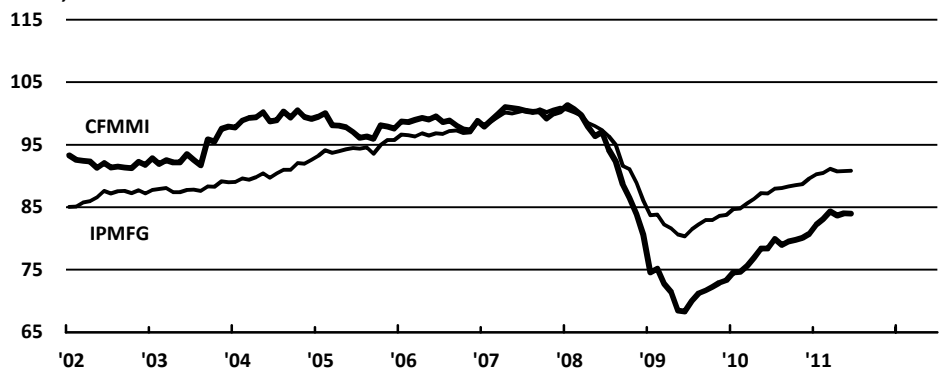
The Midwest resource sector's output decreased 0.6% in June after moving down 1.1% in the previous month. The national resource sector's output moved down by 0.2% in June. The food, wood, paper, and nonmetallic subsectors of the regional resource sector decreased from May to June, but the chemical subsector increased. Compared with a year ago, regional resource output was up 0.4% in June and national resource output was up 1.2%.

The region's auto sector production declined 1.3% in June after increasing 1.0% in May. National auto output decreased 0.6% in June. The Midwest's automotive output was up 7.0% in June relative to its year-ago level, and national automotive output was up 4.5%.

— *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:  
**August 29, 2011**  
 8:30 am Eastern Time  
 7:30 am Central Time

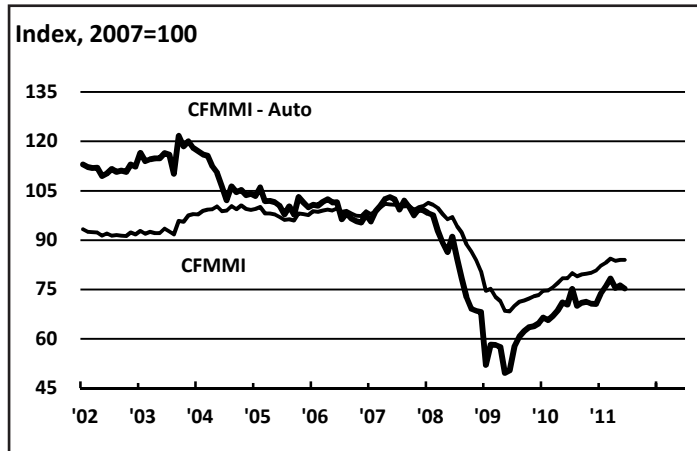
FEDERAL RESERVE BANK  
 OF CHICAGO

#### Manufacturing Output Indexes

	percent change from		
	1 month ago	3 months ago	1 year ago
Chicago Fed Midwest Manufacturing Index (CFMMI)	-0.1	-0.4	7.1
US Industrial Production-Manufacturing (IPMFG)	0.0	-0.3	4.1

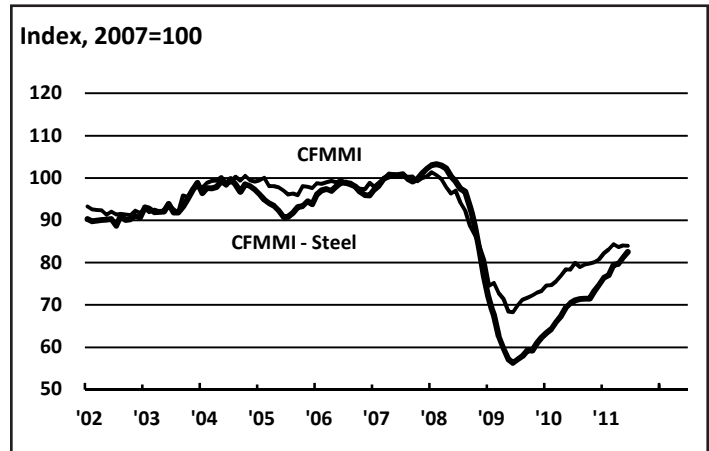
# Tracking Midwest Manufacturing Activity by Sectors — June

## Auto Sector



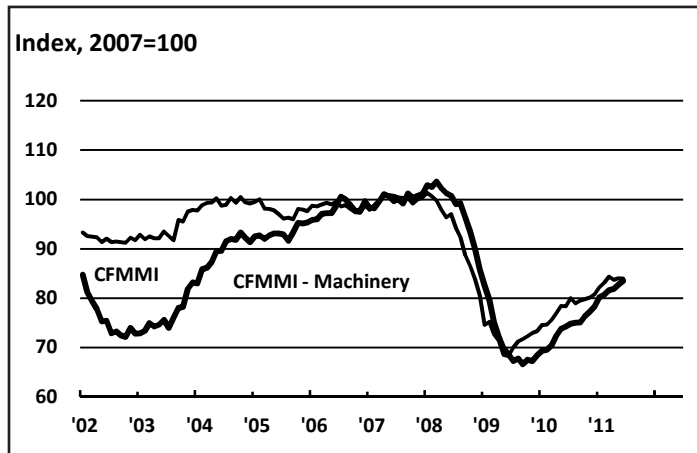
Auto Sector CFMMI Components:  
Plastics and Rubber Products; Transportation Equipment

## Steel Sector



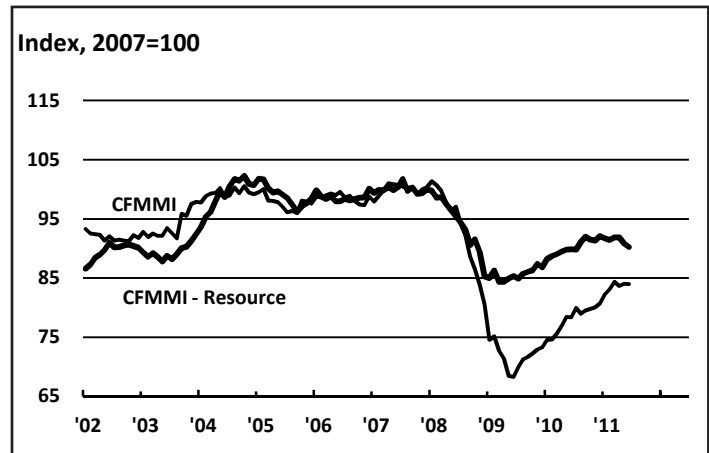
Steel Sector CFMMI Components:  
Primary Metal Industries; Fabricated Metal Products

## 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			
				Monthly		Annual	
	Apr 11	May 11	Jun 11	Apr 11	May 11	Jun 11	Jun 10 - Jun 11
CFMMI	83.7	84.0	84.0	-0.8	0.4	-0.1	7.1
CFMMI - Auto	75.5	76.3	75.3	-3.6	1.0	-1.3	7.0
CFMMI - Steel	79.7	81.2	82.6	0.3	1.9	1.7	17.3
CFMMI - Machinery	81.9	82.7	83.5	0.3	1.0	1.0	12.4
CFMMI - Resource	91.9	90.8	90.3	0.0	-1.1	-0.6	0.4
IPMFG	90.7	90.8	90.8	-0.4	0.1	0.0	4.1

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>.