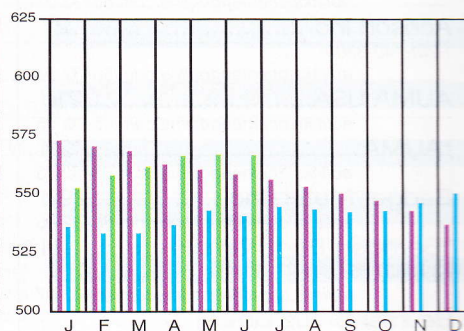


Download the CEPCI two weeks sooner at www.chemengonline.com/pci

CHEMICAL ENGINEERING PLANT COST INDEX (CEPCI)

(1957-59 = 100)	June '17 Prelim.	May '17 Final	June '16 Final
CE Index	567.1	567.3	540.9
Equipment	684.5	684.6	645.3
Heat exchangers & tanks	603.4	603.5	558.9
Process machinery	681.9	682.0	651.1
Pipe, valves & fittings	873.5	873.5	801.0
Process instruments	403.5	403.5	385.4
Pumps & compressors	979.6	979.6	970.5
Electrical equipment	516.4	516.4	506.8
Structural supports & misc.	737.1	737.1	708.4
Construction labor	325.5	326.1	326.0
Buildings	559.6	559.7	544.0
Engineering & supervision	313.0	313.6	315.1

Annual Index:
2009 = 521.9
2010 = 550.8
2011 = 585.7
2012 = 584.6
2013 = 567.3
2014 = 576.1
2015 = 556.8
2016 = 541.7

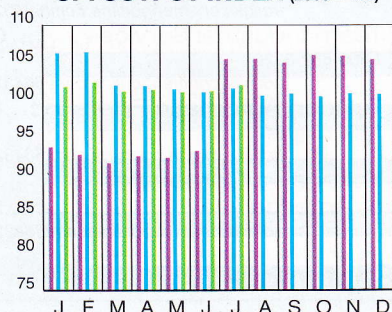


Starting with the April 2007 Final numbers, several of the data series for labor and compressors have been converted to accommodate series IDs that were discontinued by the U.S. Bureau of Labor Statistics

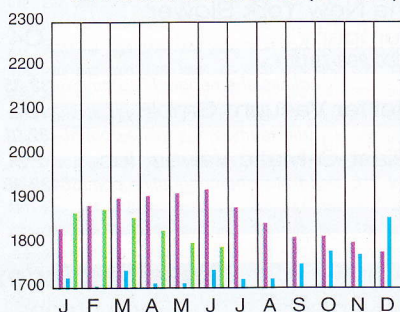
CURRENT BUSINESS INDICATORS

	LATEST	PREVIOUS	YEAR AGO
CPI output index (2012 = 100)	Jul. '17 = 102.1	Jun. '17 = 101.8	May '17 = 101.0
CPI value of output, \$ billions	Jul. '17 = 1,794.1	May '17 = 1,803.4	Apr. '17 = 1,826.6
CPI operating rate, %	Jul. '17 = 76.5	Jun. '17 = 76.4	May '17 = 75.9
Producer prices, industrial chemicals (1982 = 100)	Jul. '17 = 244.0	Jun. '17 = 251.3	May '17 = 257.3
Industrial Production in Manufacturing (2012=100)*	Jul. '17 = 103.4	Jun. '17 = 103.4	May '17 = 103.2
Hourly earnings index, chemical & allied products (1992 = 100)	Jul. '17 = 180.0	Jun. '17 = 174.5	May '17 = 174.7
Productivity index, chemicals & allied products (1992 = 100)	Jul. '17 = 102.4	Jun. '17 = 103.1	May '17 = 102.6

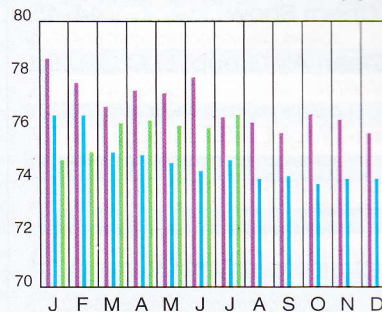
CPI OUTPUT INDEX (2000 = 100)†



CPI OUTPUT VALUE (\$ BILLIONS)



CPI OPERATING RATE (%)



*Due to discontinuance, the Index of Industrial Activity has been replaced by the Industrial Production in Manufacturing index from the U.S. Federal Reserve Board.

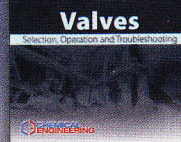
†For the current month's CPI output index values, the base year was changed from 2000 to 2012

Current business indicators provided by Global Insight, Inc., Lexington, Mass.

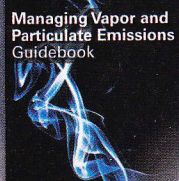
CURRENT TRENDS

The preliminary value for the June CE Plant Cost Index (CEPCI; top; most recent available) dipped slightly compared to the previous month's value, and although the decrease was small, it ends a string of eight straight months of increasing values. All four of the major subindices (Equipment, Construction Labor, Buildings and Engineering & Supervision) saw small decreases from their previous month's values. The preliminary overall monthly CEPCI value for June 2017 stands at 4.9% higher than the corresponding value from June 2016. Meanwhile, the latest Current Business Indicators (CBI; middle) saw the CPI Output Index rise by a small margin in July, while the CPI value of output fell slightly in June. Producer prices for industrial chemicals fell in July.

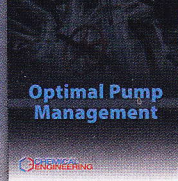
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