

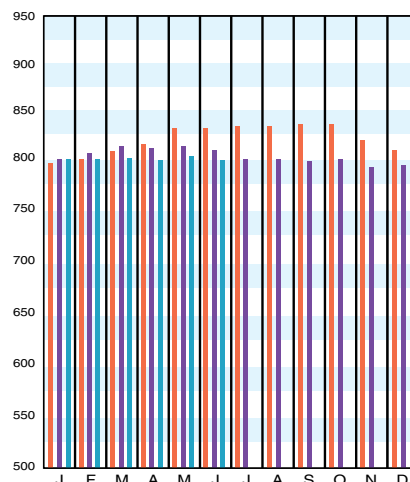
Economic Indicators

2022 2023 2024

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CHEMICAL ENGINEERING PLANT COST INDEX® (CEPCI)

(1957-59 = 100)	June '24 Prelim.	May '24 Final	June '23 Final	Annual Index:
CE Index	798.8	800.2	803.3	2016 = 541.7
Equipment	1,004.0	1,005.6	1,013.1	2017 = 567.5
Heat exchangers & tanks	798.7	801.8	835.5	2018 = 603.1
Process machinery	1,029.6	1,033.2	1,033.9	2019 = 607.5
Pipe, valves & fittings	1,355.5	1,357.1	1,366.2	2020 = 596.2
Process instruments	582.5	580.8	563.1	2021 = 708.8
Pumps & compressors	1,543.1	1,543.2	1,443.1	2022 = 816.0
Electrical equipment	832.3	828.1	799.0	2023 = 797.9
Structural supports & misc.	1,112.9	1,115.6	1,142.6	
Construction labor	375.7	376.9	364.4	
Buildings	801.0	804.1	816.8	
Engineering & supervision	315.2	315.7	313.9	

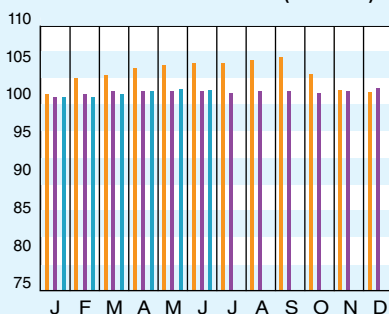


Starting in April 2007, several data series for labor and compressors were converted to accommodate series IDs discontinued by the U.S. Bureau of Labor Statistics (BLS). Starting in March 2018, the data series for chemical industry special machinery was replaced because the series was discontinued by BLS (see *Chem. Eng.*, April 2018, p. 76-77.)

CURRENT BUSINESS INDICATORS

	LATEST		PREVIOUS		YEAR AGO	
CPI output index (2017 = 100)	Jun. '24 = 101.1	May '24 = 100.4	Apr. '24 = 98.9	Jun. '23 = 99.7		
CPI value of output, \$ billions	May '24 = 2,421.2	Apr. '24 = 2,461.8	Mar. '24 = 2,445.6	May '23 = 2,319.6		
CPI operating rate, %	Jun. '24 = 77.9	May '24 = 77.5	Apr. '24 = 76.4	Jun. '23 = 78.3		
Producer prices, industrial chemicals (1982 = 100)	Jun. '24 = 298.7	May '24 = 299.5	Apr. '24 = 303.3	Jun. '23 = 318.1		
Industrial Production in Manufacturing (2017 = 100)*	Jun. '24 = 100.3	May '24 = 99.9	Apr. '24 = 98.9	Jun. '23 = 99.2		
Hourly earnings index, chemical & allied products (1992 = 100)	May '24 = 229.2	Apr. '24 = 226.4	Mar. '24 = 227.0	May '23 = 219.0		
Productivity index, chemicals & allied products (1992 = 100)	Jun. '24 = 93.0	May '24 = 92.5	Apr. '24 = 92.8	Jun. '23 = 93.6		

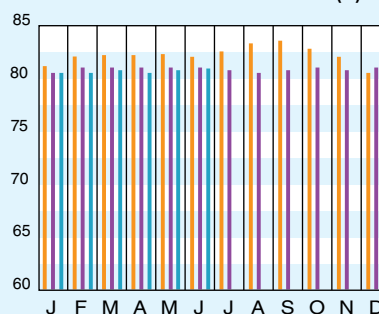
CPI OUTPUT INDEX (2017 = 100)†



CPI OUTPUT VALUE (\$ BILLIONS)



CPI OPERATING RATE (%)

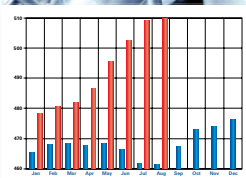


*Due to discontinuance, the Index of Industrial Activity has been replaced by the Industrial Production in Manufacturing index from the U.S. Federal Reserve Board.
 †For the current month's CPI output index values, the base year was changed from 2012 to 2017
 Current business indicators provided by S&P Global Market Intelligence, New York, N.Y.



The Chemical Engineering Plant Cost Index® can now be found on our website at chemengonline.com/economic-indicators

	Sep '06 Prelim.	Aug '06 Final	Sep '05 Final
CE Index	513.9	510.0	491.2
Equipment	606.5	602.3	541.2
Heat Exchangers and Tanks	565.1	560.9	509.2
Process Machinery	555.6	556.2	521.7
Pipe, valves and fittings	726.7	721.7	626.6
Process Instruments	441.4	431.2	379.5
Pumps and Compressions	788.9	788.3	756.3
Electrical equipment	418.9	414.2	374.6
Structural supports	443.7	437.7	373.3
Construction Labor	314.7	312.5	309.1
Buildings	476.9	475.2	444.7
Engineering Supervision	350.7	351.9	346.9



CURRENT TRENDS

The preliminary value for the CE Plant Cost Index (CEPCI; top) for June 2024 (most recent available) decreased slightly compared to the previous month's value. Since the beginning of the year, the value has been hovering around 800. The small decline in the June CEPCI was a result of small decreases in each of the four subindices: Equipment; Construction Labor; Buildings; and Engineering & Supervision. The current CEPCI value now sits at 0.56% lower than the corresponding value from June 2023. Meanwhile, the Current Business Indicators (middle) show a small decline in the CPI output index and a small increase for the CPI operating rate for June 2024. The May CPI value of output was down slightly.