



Transmission of material in this release is embargoed until  
**8:30 a.m. (ET) Thursday, September 12, 2024**

USDL 24-1866

Technical information: (202) 691-7705 • [ppi-info@bls.gov](mailto:ppi-info@bls.gov) • [www.bls.gov/ppi](http://www.bls.gov/ppi)  
 Media contact: (202) 691-5902 • [PressOffice@bls.gov](mailto:PressOffice@bls.gov)

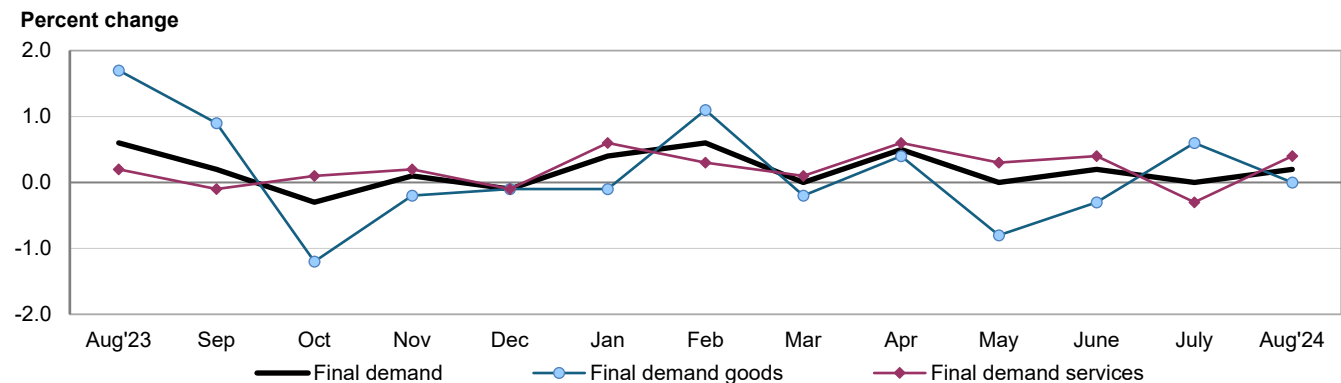
### PRODUCER PRICE INDEXES – AUGUST 2024

The Producer Price Index for final demand increased 0.2 percent in August, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. Final demand prices were unchanged in July and rose 0.2 percent in June. (See table A.) On an unadjusted basis, the index for final demand advanced 1.7 percent for the 12 months ended in August.

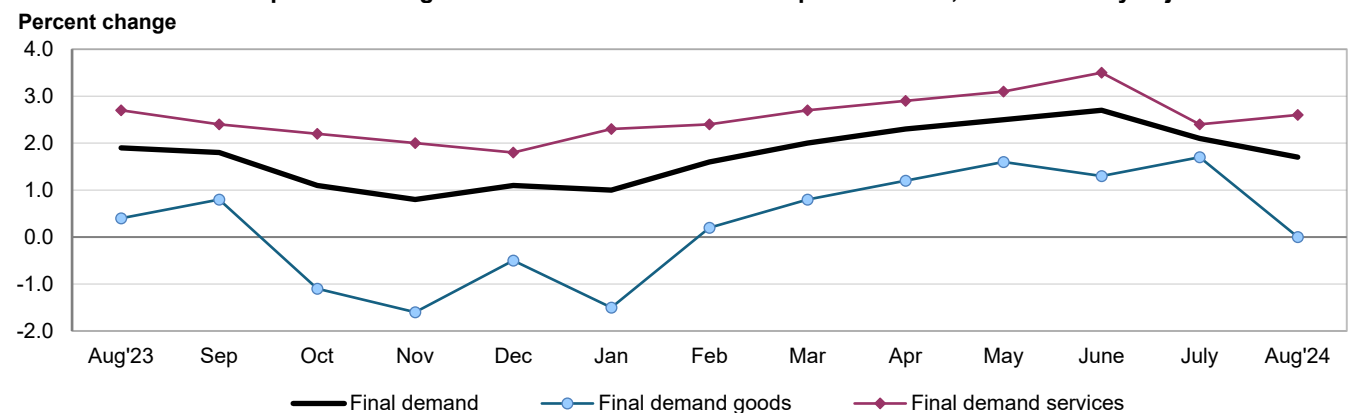
The August rise in the index for final demand can be traced to a 0.4-percent increase in prices for final demand services. The index for final demand goods was unchanged.

Prices for final demand less foods, energy, and trade services advanced 0.3 percent in August, the same as in July. For the 12 months ended in August, the index for final demand less foods, energy, and trade services moved up 3.3 percent.

**Chart 1. One-month percent changes in selected PPI final demand price indexes, seasonally adjusted**



**Chart 2. Twelve-month percent changes in selected PPI final demand price indexes, not seasonally adjusted**



## Final Demand

**Final demand services:** Prices for final demand services rose 0.4 percent in August after declining 0.3 percent in July. Nearly 60 percent of the increase is attributable to a 0.3-percent advance in the index for final demand services less trade, transportation, and warehousing. Margins for final demand trade services moved up 0.6 percent. (Trade indexes measure changes in margins received by wholesalers and retailers.) In contrast, the index for final demand transportation and warehousing services decreased 0.1 percent.

*Product detail:* A 4.8-percent rise in the index for guestroom rental was a major factor in the August advance in prices for final demand services. The indexes for machinery and vehicle wholesaling, automotive fuels and lubricants retailing, residential real estate loans (partial), professional and commercial equipment wholesaling, and furniture retailing also moved higher. Conversely, prices for airline passenger services fell 0.8 percent. The indexes for food and alcohol retailing and for membership dues, admissions, and recreational facility use fees (partial) also decreased. (See table 2.)

**Final demand goods:** Prices for final demand goods were unchanged in August after rising 0.6 percent in July. In August, the indexes for final demand goods less foods and energy and for final demand foods advanced 0.2 percent and 0.1 percent, respectively. In contrast, prices for final demand energy fell 0.9 percent.

*Product detail:* In August, the index for non-electronic cigarettes increased 2.3 percent. Prices for chicken eggs, gasoline, diesel fuel, and drugs and pharmaceuticals also moved up. Conversely, the index for jet fuel decreased 10.5 percent. Prices for meats; electric power; hay, hayseeds, and oilseeds; and nonferrous scrap also declined.

**Table A. Monthly and 12-month percent changes in selected final demand price indexes, seasonally adjusted**

Month	Total final demand	Final demand less foods, energy, and trade	Final demand goods				Final demand services				Change in final demand from 12 months ago (unadj.)	Change in final demand less foods, energy, and trade from 12 mo. ago (unadj.)
			Total	Foods	Energy	Less foods and energy	Total	Trade	Transportation and warehousing	Other		
<b>2023</b>												
Aug...	0.6	0.2	1.7	-0.4	8.9	0.1	0.2	-0.1	0.0	0.3	1.9	2.9
Sept...	0.2	0.3	0.9	0.4	3.2	0.3	-0.1	-1.1	0.4	0.3	1.8	2.9
Oct....	-0.3	0.1	-1.2	0.2	-6.4	0.1	0.1	0.0	0.5	0.1	1.1	2.8
Nov....	0.1	0.1	-0.2	0.7	-2.0	0.1	0.2	0.4	-0.2	0.1	0.8	2.5
Dec....	-0.1	0.3	-0.1	0.0	-0.8	0.1	-0.1	-1.2	-0.2	0.5	1.1	2.7
<b>2024</b>												
Jan. ...	0.4	0.6	-0.1	-0.3	-1.1	0.3	0.6	0.1	-0.2	0.9	1.0	2.7
Feb. ...	0.6	0.4	1.1	1.0	3.9	0.3	0.3	0.3	1.2	0.3	1.6	2.8
Mar. ...	0.0	0.2	-0.2	0.3	-1.2	0.0	0.1	-0.4	0.2	0.3	2.0	2.9
Apr. <sup>1</sup> ...	0.5	0.5	0.4	-0.8	1.8	0.3	0.6	0.5	-0.5	0.7	2.3	3.2
May <sup>1</sup> ..	0.0	0.2	-0.8	-0.1	-4.5	0.2	0.3	0.7	-0.9	0.3	2.5	3.4
June <sup>1</sup> ..	0.2	0.1	-0.3	0.1	-2.0	0.0	0.4	1.3	-0.1	0.1	2.7	3.2
July <sup>1</sup> ...	0.0	0.3	0.6	0.7	1.8	0.2	-0.3	-1.7	1.0	0.2	2.1	3.2
Aug....	0.2	0.3	0.0	0.1	-0.9	0.2	0.4	0.6	-0.1	0.3	1.7	3.3

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for April 2024 through July 2024 have been revised to reflect the availability of late reports and corrections by respondents.

## Intermediate Demand by Commodity Type

Within intermediate demand in August, prices for processed goods fell 0.1 percent, the index for unprocessed goods decreased 3.7 percent, and prices for services declined 0.1 percent. (See tables B and C.)

**Processed goods for intermediate demand:** The index for processed goods for intermediate demand moved down 0.1 percent in August after rising 0.6 percent in July. Leading the decrease, prices for processed energy goods declined 0.6 percent. The index for processed foods and feeds fell 0.3 percent. In contrast, prices for processed materials less foods and energy inched up 0.1 percent. For the 12 months ended in August, the index for processed goods for intermediate demand fell 1.1 percent, the largest decline since a 1.8-percent decrease for the 12 months ended in March.

*Product detail:* A major factor in the August decline in prices for processed goods for intermediate demand was the index for jet fuel, which dropped 10.5 percent. Prices for meats, natural gas to electric utilities, cold rolled steel sheet and strip, and lubricating oil base stocks also fell. Conversely, the index for fabricated steel plate jumped 16.8 percent. Prices for diesel fuel, basic organic chemicals, and paperboard also increased.

**Unprocessed goods for intermediate demand:** The index for unprocessed goods for intermediate demand moved down 3.7 percent in August, the largest decline since falling 4.1 percent in December 2023. More than three-quarters of the broad-based decrease in August is attributable to a 7.5-percent drop in prices for unprocessed energy materials. The indexes for unprocessed foodstuffs and feedstuffs and for unprocessed nonfood materials less energy also moved down, 1.7 percent and 1.1 percent, respectively. For the 12 months ended in August, prices for unprocessed goods for intermediate demand fell 4.3 percent, the largest decline since decreasing 5.0 percent for the 12 months ended in April.

*Product detail:* Over 40 percent of the August decline in the index for unprocessed goods for intermediate demand can be traced to a 29.8-percent drop in prices for natural gas. The indexes for crude petroleum; hay, hayseeds, and oilseeds; nonferrous scrap; slaughter hogs; and slaughter steers and heifers also fell. In contrast, prices for slaughter chickens rose 5.5 percent. The indexes for carbon steel scrap and for coal also advanced.

**Table B. Monthly and 12-month percent changes in selected intermediate demand price indexes for goods by commodity type, seasonally adjusted**

Month	Processed goods for intermediate demand					Unprocessed goods for intermediate demand				
	Total	Foods and feeds	Energy goods	Less foods and energy	Total, change from 12 months ago (unadj.)	Total	Food-stuffs and feed-stuffs	Energy materials	Nonfood materials less energy	Total, change from 12 months ago (unadj.)
<b>2023</b>										
Aug.....	2.0	0.6	11.2	-0.2	-4.4	2.1	-0.1	6.0	-0.2	-26.2
Sept.....	0.5	0.7	2.1	0.0	-3.7	2.9	1.2	6.8	-0.4	-21.5
Oct.....	-1.0	-0.2	-4.3	-0.1	-4.6	-1.6	-2.1	-2.1	0.0	-14.8
Nov.....	-0.7	-0.5	-2.6	-0.3	-4.6	-2.1	-0.4	-5.3	0.7	-14.0
Dec.....	-0.4	0.1	-2.9	0.2	-2.8	-4.1	-3.3	-7.6	0.3	-18.7
<b>2024</b>										
Jan.....	-0.1	-1.7	-1.0	0.3	-3.7	1.6	-1.5	6.4	-1.3	-13.5
Feb.....	1.4	0.3	5.5	0.5	-2.0	-0.3	1.6	-1.1	-1.7	-9.3
Mar.....	-0.6	0.2	-1.0	-0.5	-1.8	-1.4	1.6	-5.4	0.5	-6.3
Apr. <sup>1</sup> .....	0.5	-0.3	1.8	0.3	-0.6	2.1	-0.6	6.0	0.5	-5.0
May <sup>1</sup> .....	-1.3	0.2	-6.9	0.1	-0.5	0.0	2.8	-3.9	1.9	-0.1
June <sup>1</sup> .....	-0.1	0.7	-0.7	0.0	-0.1	0.5	-1.3	3.0	-0.5	1.6
July <sup>1</sup> .....	0.6	1.5	2.4	0.1	0.9	2.1	2.0	3.1	0.8	1.4
Aug.....	-0.1	-0.3	-0.6	0.1	-1.1	-3.7	-1.7	-7.5	-1.1	-4.3

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for April 2024 through July 2024 have been revised to reflect the availability of late reports and corrections by respondents.

**Services for intermediate demand:** The index for services for intermediate demand edged down 0.1 percent in August, the first decrease since falling 0.1 percent in August 2023. Over 60 percent of the August 2024 decline can be traced to margins for trade services for intermediate demand, which dropped 0.3 percent. Prices for services less trade, transportation, and warehousing for intermediate demand inched down 0.1 percent, while the index for transportation and warehousing services for intermediate demand was unchanged. For the 12 months ended in August, prices for services for intermediate demand advanced 3.4 percent.

*Product detail:* Within services for intermediate demand in August, margins for machinery and equipment parts and supplies wholesaling declined 0.8 percent. The indexes for gross rents for office buildings, freight forwarding, cable network advertising time sales, and staffing services also moved lower. Conversely, prices for U.S. postal services increased 6.1 percent. The indexes for automotive fuels and lubricants retailing, gross rents for retail properties, and guestroom rental also advanced.

**Table C. Monthly and 12-month percent changes in selected intermediate demand price indexes for services by commodity type, seasonally adjusted**

Month	Services for intermediate demand				Total, change from 12 months ago (unadj.)
	Total	Trade	Transportation and warehousing	Other	
<b>2023</b>					
Aug.....	-0.1	-0.6	-0.7	0.1	4.2
Sept.....	0.3	-0.4	0.8	0.4	4.0
Oct.....	0.0	1.5	0.4	-0.5	3.5
Nov.....	0.5	1.5	-0.2	0.4	3.2
Dec.....	0.5	-0.3	1.0	0.6	3.7
<b>2024</b>					
Jan.....	0.9	1.1	-0.1	1.0	3.6
Feb.....	0.0	-1.7	1.0	0.3	3.3
Mar.....	0.2	0.1	0.0	0.3	3.8
Apr. <sup>1</sup> ....	0.2	-0.4	0.4	0.4	3.4
May <sup>1</sup> ....	0.3	0.6	0.5	0.2	3.6
June <sup>1</sup> ....	0.2	-0.1	-0.3	0.4	3.8
July <sup>1</sup> ....	0.3	0.7	0.4	0.1	3.4
Aug.....	-0.1	-0.3	0.0	-0.1	3.4

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for April 2024 through July 2024 have been revised to reflect the availability of late reports and corrections by respondents.

### **Intermediate Demand by Production Flow**

**Stage 4 intermediate demand:** Prices for stage 4 intermediate demand inched down 0.1 percent in August after rising 0.5 percent in July. In August, the index for total services inputs to stage 4 intermediate demand declined 0.1 percent, while prices for total goods inputs were unchanged. (See table D.) Decreases in the indexes for gross rents for office buildings; meats; machinery and equipment parts and supplies wholesaling; hay, hayseeds, and oilseeds; and staffing services outweighed advances in prices for U.S. postal services; gross rents for retail properties; fabricated steel plate; and securities brokerage, dealing, investment advice, and related services. For the 12 months ended in August, the index for stage 4 intermediate demand increased 1.9 percent.

**Stage 3 intermediate demand:** The index for stage 3 intermediate demand fell 0.4 percent in August, the largest decline since decreasing 0.5 percent in October 2023. In August, prices for total goods inputs to stage 3 intermediate demand dropped 0.6 percent, and the index for total services inputs moved down 0.3 percent. Declines in prices for jet fuel; cable network advertising time sales; freight forwarding; hay, hayseeds, and oilseeds; slaughter hogs; and gross rents for office buildings outweighed advances in the indexes for slaughter chickens, ungraded chicken eggs, and the U.S. Postal Service. For the 12 months ended in August, prices for stage 3 intermediate demand rose 0.7 percent.

**Stage 2 intermediate demand:** The index for stage 2 intermediate demand decreased 1.3 percent in August, the largest decline since falling 1.4 percent in May 2023. In August, prices for total goods inputs to stage 2 intermediate demand dropped 3.2 percent. In contrast, the index for total services inputs edged up 0.1 percent. Decreases in prices for gas fuels, crude petroleum, oilseeds, freight forwarding, nonferrous scrap, and staffing services outweighed increases in the indexes for automotive fuels and lubricants retailing, paperboard, and guestroom rental. For the 12 months ended in August, prices for stage 2 intermediate demand advanced 0.2 percent.

**Stage 1 intermediate demand:** Prices for stage 1 intermediate demand were unchanged in August after rising 0.6 percent in July. In August, the index for total services inputs to stage 1 intermediate demand inched up 0.1 percent, while prices for total goods inputs were unchanged. Increases in the indexes for guestroom rental, the U.S. Postal Service, diesel fuel, fabricated steel plate, and gross rents for retail properties offset falling prices for gross rents for office buildings, nonferrous scrap, natural gas to electric utilities, passenger car rental, and lubricating oil base stocks. For the 12 months ended in August, the index for stage 1 intermediate demand advanced 0.5 percent.

**Table D. Monthly percent changes in selected intermediate demand price indexes by production flow, seasonally adjusted**

Month	Stage 4 intermediate demand			Stage 3 intermediate demand			Stage 2 intermediate demand			Stage 1 intermediate demand		
	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs
<b>2023</b>												
Aug.....	0.4	0.6	0.3	1.0	3.1	-0.6	0.7	2.2	-0.4	1.3	2.4	0.2
Sept.....	0.3	0.3	0.3	0.5	0.9	0.3	1.2	3.0	-0.1	0.3	0.3	0.2
Oct.....	-0.3	-0.5	-0.2	-0.5	-1.7	0.4	-0.3	-1.1	0.4	-0.4	-0.8	-0.1
Nov.....	0.2	-0.3	0.5	-0.2	-1.1	0.6	-1.0	-2.5	0.2	-0.2	-0.9	0.6
Dec.....	0.2	0.0	0.4	-0.3	-1.6	0.7	-1.1	-3.4	0.5	-0.2	-0.7	0.3
<b>2024</b>												
Jan.....	0.6	-0.1	1.2	0.3	0.0	0.6	1.2	1.7	0.8	0.4	-0.2	1.0
Feb.....	0.1	0.5	-0.2	1.0	2.5	-0.2	0.1	-0.7	0.7	0.4	1.3	-0.5
Mar.....	0.1	-0.3	0.4	-0.1	-0.3	0.0	-0.9	-2.5	0.1	-0.3	-0.9	0.3
Apr. <sup>1</sup> .....	0.4	0.4	0.3	0.2	0.2	0.1	1.3	2.8	0.2	0.3	0.5	0.1
May <sup>1</sup> .....	-0.1	-0.2	0.0	-0.2	-1.1	0.5	-0.2	-1.3	0.6	-0.6	-1.3	0.1
June <sup>1</sup> .....	0.0	-0.1	0.1	-0.2	-0.3	0.0	0.7	1.2	0.3	0.1	-0.2	0.3
July <sup>1</sup> .....	0.5	0.2	0.7	0.7	1.2	0.2	0.6	1.6	-0.2	0.6	0.7	0.5
Aug.....	-0.1	0.0	-0.1	-0.4	-0.6	-0.3	-1.3	-3.2	0.1	0.0	0.0	0.1

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for April 2024 through July 2024 have been revised to reflect the availability of late reports and corrections by respondents.

**The Producer Price Index for September 2024 is scheduled to be released on Friday, October 11, 2024, at 8:30 a.m. (ET).**

# Technical Note

## Brief Explanation of Producer Price Indexes

The Producer Price Index (PPI) of the Bureau of Labor Statistics (BLS) is a family of indexes that measures the average change over time in prices received (price changes) by producers for domestically produced goods, services, and construction. PPIs measure price change from the perspective of the seller. This contrasts with other measures, such as the Consumer Price Index (CPI). CPIs measure price change from the purchaser's perspective.

More than 10,000 PPIs for individual products and groups of products are released each month. PPIs are available for the products of virtually every industry in the mining and manufacturing sectors. Over time, new PPIs have been introduced for products of industries in the services and construction sectors of the U.S. economy. As of January 2023, the PPI covered 69 percent of services as measured by 2017 Census revenue, and 17 percent of construction.

More than 64,000 price quotations per month are organized into three sets of PPIs: (1) Final demand-Intermediate demand (FD-ID) indexes, (2) commodity indexes, and (3) indexes for the net output of industries and their products. The FD-ID structure organizes products by class of buyer and degree of fabrication as well as by stage of production. The commodity structure organizes products by similarity of end use or product type. The entire output of various industries is sampled to derive price indexes for the net output of industries and their products.

### Final Demand–Intermediate Demand Indexes

The PPI FD-ID structure measures price change for goods, services, and construction sold to final demand and to intermediate demand. The FD-ID system replaced the PPI stage-of-processing (SOP) system as PPI's primary aggregation model with the release of data for January 2014. The FD-ID model expands coverage beyond that of the SOP system through the addition of services, construction, exports, and government purchases.

Compared with finished goods under the SOP system, the PPI for final demand goods includes nearly a 50 percent expansion of coverage. This increase can be traced to the addition of government purchases and exports. For overall final demand, expansion to include final demand services represents an even larger increase in coverage. In December 2022, final demand goods were about 30.7 percent of overall final demand, final demand services were roughly 66.6 percent, and final demand construction was about 2.7 percent of final demand. Within intermediate demand, coverage of services for intermediate demand resulted in about a 45 percent increase in coverage of the intermediate demand portion of the economy.

FD-ID indexes are constructed from commodity-based producer output price indexes. Commodities are allocated to aggregate indexes primarily based on the type of buyer. The main source of data used to determine the type of buyer is the "Use of commodities by industries, before redefinition," table

from the Benchmark Input-Output Accounts of the U.S. In many cases, the same commodity is purchased by different types of buyers. As a result, commodities are often included in several FD-ID indexes. For example, regular gasoline is purchased for personal consumption, export, government use, and business use. The PPI program publishes only one commodity index for regular gasoline (wpu057104), reflecting sales to all types of buyers, and this index is used in all aggregations regardless of whether the gasoline is sold for personal consumption, as an export, to government, or to businesses. Proportions based on BEA "Use of Commodities" data are used to allocate the correct portion of the total weight of gasoline to each use category. In cases when buyer type is an important price determining characteristic, indexes are created based on specific buyer type. For example, within the PPI category for loan services, separate indexes for consumer loans and business loans were constructed. For more information relating to the FD-ID structure, see "A new, experimental system of indexes from the PPI program" in the February 2011 *Monthly Labor Review*.

**Final Demand:** The final demand portion of the FD-ID structure measures price change for commodities sold for personal consumption, capital investment, government, and export. The system is composed of six main price indexes: final demand goods; final demand trade services; final demand transportation and warehousing services; final demand services less trade, transportation, and warehousing; final demand construction; and overall final demand.

The final demand goods index measures price change for both unprocessed and processed goods sold to final demand. Fresh fruits sold to consumers and computers sold for capital investment are examples of transactions included in the final demand goods price index. The final demand trade services index measures price change for the retailing and wholesaling of merchandise sold to final demand, generally without transformation. (Trade indexes measure changes in margins received by wholesalers and retailers.) The final demand transportation and warehousing services index tracks price change for transportation of passengers, as well as, transportation of cargo sold to final demand, and also includes prices for warehousing and storage of goods sold to final demand. The final demand services less trade, transportation, and warehousing index measures price change for all services other than trade and transportation sold to final demand. Publishing, banking, lodging, and health care are examples of these services. The final demand construction index tracks price change for new construction, as well as maintenance and repair construction sold to final demand. Construction of office buildings is an example of a commodity that would be included in the final demand construction index. Lastly, the overall final demand index tracks price change for all types of commodities sold to final demand by combining the five final demand component indexes described above.

**Intermediate Demand:** The intermediate demand portion of the FD-ID system tracks price change for goods, services, and construction products sold to businesses as inputs to

production, excluding capital investment. The system includes two parallel treatments of intermediate demand. The first treatment organizes intermediate demand commodities by type. The second organizes intermediate demand commodities into production stages, with the explicit goal of developing a forward-flow model of production and price change.

The intermediate demand by commodity type portion of the system organizes commodities by similarity of product. The system is composed of six main price indexes: unprocessed goods for intermediate demand; processed goods for intermediate demand; intermediate demand trade services; intermediate demand transportation and warehousing services; intermediate demand services less trade, transportation, and warehousing; and intermediate demand construction.

The unprocessed goods for intermediate demand price index measures price change for goods sold to businesses as inputs to production that have undergone no fabrication. Crude petroleum sold to refineries is an example of an unprocessed good sold to intermediate demand. The processed goods for intermediate demand index tracks price change for fabricated goods sold as business inputs. Examples include car parts sold to car manufacturers and gasoline sold to trucking companies. The index for trade services for intermediate demand measures price change for the services of retailing and wholesaling goods purchased by businesses as inputs to production. The intermediate demand transportation and warehousing services index measures price change for business travel, as well as, transportation and warehousing of cargo sold to intermediate demand. The intermediate demand services less trade, transportation, and warehousing index measures price change for services other than trade, transportation, and warehousing sold as inputs to production. Legal and accounting services purchased by businesses are examples of intermediate demand services excluding trade, transportation, and warehousing. Finally, the construction for intermediate demand index measures price change for construction purchased by firms as inputs to production. The index for construction for intermediate demand tracks price change for maintenance and repair construction purchased by firms.

The production flow treatment of intermediate demand is a stage-based system of price indexes. These indexes can be used to study price transmission across stages of production and final demand. This system is constructed in a manner that maximizes forward flow of production between stages, while minimizing back-flow of production. The production flow treatment contains four main indexes: intermediate demand stage 1, intermediate demand stage 2, intermediate demand stage 3, and intermediate demand stage 4.

Indexes for the four stages were developed by first assigning each industry in the economy to one of four stages of production, where industries assigned to the fourth stage primarily produce output consumed as final demand, industries in the third stage primarily produce output consumed by stage 4 industries, industries assigned to the second stage primarily produce output consumed by stage 3 industries, and industries assigned to the first stage produce output primarily consumed by stage 2 industries. The four indexes then track prices for the net inputs consumed by industries in each of the four stages of production. The stage 4

intermediate demand index, for example, tracks price change for inputs consumed, but not produced, by industries included in the fourth stage of production. Hence, the index tracks price change in inputs to industries that primarily produce final demand commodities (stage 4 producers primarily produce commodities sold to final demand).

Examples of heavily weighted goods-producing industries in stage 4 include the manufacture of light trucks and utility vehicles, automobiles, and pharmaceuticals. Retail trade, food service and drinking places, and hospitals are examples of heavily weighted service industries included in stage 4. Stage 4 also includes all new construction industries. Examples of goods consumed by stage 4 industries include motor vehicle parts, commercial electric power, plastic construction products, biological products, and beef and veal. Engineering services, machinery and equipment wholesaling, long distance motor carrying, and legal services constitute examples of services consumed by stage 4 industries.

Examples of highly weighted goods-producing industries included in stage 3 are motor vehicle parts manufacturing, animal (except poultry) slaughtering and processing, and semiconductor manufacturing. Services industries classified in stage 3 include wholesale trade; insurance carriers; architecture, engineering, and related services; and hotels and motels. Examples of goods consumed by stage 3 industries include slaughter steers and heifers, industrial electric power, and hot rolled steel bars, plates, and structural shapes. Services commonly consumed by stage 3 industries include commissions from sales of property and casualty insurance, business loans, temporary help services, and administrative and general management consulting services.

Petroleum refineries; electricity generation, transmission, and distribution; natural gas distribution; cattle ranching and farming; and plastic materials and resin manufacturing are among the goods-based industries assigned to stage 2. Services industries that are heavily weighted in stage 2 include management of companies and enterprises; non-depository credit intermediation; insurance agencies and brokerages; and services to buildings and dwellings. Goods commonly purchased by stage 2 industries include crude oil, natural gas, formula feeds, and primary basic organic chemicals. Services that are heavily weighted in the intermediate demand stage 2 index are legal services, business loans, and cellular phone and other wireless telecommunication.

Goods producing industries in stage 1 include oil and gas extraction, paper mills, and grain farming. Real estate, legal services, and advertising services are examples of highly weighted services industries included in stage 1. Examples of goods consumed by stage 1 industries are commercial and industrial electric power and gasoline. Services commonly consumed by stage 1 industries include solid waste collection, chemicals and allied products wholesaling, and guestroom or unit rental. It should be noted that all inputs purchased by stage 1 industries are by definition produced either within stage 1 or by latter stages of processing, leaving stage 1 less useful for price transmission analysis. For additional information on industry stage assignments, see [www.bls.gov/ppi/fd-id/ppi-intermediate-demand-by-production-flow-industry-stage-assignments.htm](http://www.bls.gov/ppi/fd-id/ppi-intermediate-demand-by-production-flow-industry-stage-assignments.htm).

## Comparing the PPI with CPI

Although some data users utilize the PPI as a potential indicator of the Consumer Price Index (CPI), there are many reasons why the PPI and the CPI may diverge. The scope of the personal consumption portion of the PPI includes all marketable output sold by domestic producers for households. The scope of the CPI includes goods and services provided by business or government, where explicit user charges are paid by consumers. For example, the most heavily weighted item in the CPI, owners' equivalent rent, is excluded from the PPI. The scope of the CPI includes imports. The PPI excludes imports. The CPI only includes components of personal consumption directly paid for by the consumers, while the PPI includes components of personal consumption that may not be paid for by consumers. For example, the PPI includes medical services paid for by third parties. In contrast to CPI, PPI does not completely cover services. PPIs exclude taxes, since they do not represent producer revenue. Conversely, sales and other taxes paid by consumers are part of household expenditure and are included in the CPI. Additional technical differences between PPI and CPI also exist. For more information see "Comparing new final demand producer price indexes with other Government price indexes," *Monthly Labor Review*, January 2014, at [www.bls.gov/opub/mlr/](http://www.bls.gov/opub/mlr/).

## Commodity Indexes

The commodity classification of the PPI organizes goods, services, and construction by similarity of product or end use, disregarding industry of origin. With the release of data for July 2009, PPI expanded its commodity structure to include indexes for services and construction products. Prior to this date, the PPI commodity structure only included products from goods producing sectors. Table 9 of the *PPI Detailed Report* includes data for commodity indexes, organized in a hierarchal structure, including major groupings, subgroups, product classes, sub-product classes, and individual items.

## Industry Net-Output Price Indexes

PPIs for the net output of industries and their products are grouped according to the North American Industry Classification System (NAICS). Prior to the release of January 2004, industry-based PPIs were published according to the Standard Industrial Classification (SIC) system. Industry price indexes are compatible with other economic time series organized by industry, such as data on employment, wages, and productivity. Table 11 of the *PPI Detailed Report* includes data for NAICS industries and industry groups (3-, 4-, 5-, and 6-digit codes), Census product classes (7- and 8-digit codes), products (9-digit codes), more detailed sub-products (11-digit codes), and, for some industries, indexes for other sources of revenue.

Indexes may represent one of three kinds of product categories. Every industry has primary product indexes that show changes in prices received by establishments classified in the industry for products made primarily, but not necessarily exclusively, by that industry. The industry classification of an establishment is determined by which products make up a plurality of its total shipment value. In

addition, most industries have secondary product indexes that show changes in prices received by establishments for products chiefly made in some other industry. Some industries have miscellaneous receipts indexes that track price changes for other sources of revenue received by establishments within the industry that are not derived from sales of their products; for example, resales of purchased materials, or revenues from parking lots owned by a manufacturing plant.

## Data Collection

PPIs are constructed using selling prices reported by establishments of all sizes, selected by probability sampling, with the probability of selection proportionate to size. Individual items and transaction terms also are chosen by probability proportionate to size. BLS strongly encourages cooperating companies to supply actual transaction prices at the time of shipment to minimize the use of list prices. Prices submitted by survey respondents are effective on the Tuesday of the week containing the 13th day of the month. The survey is conducted online via the BLS Internet Data Collection Facility (IDCF). Data provided by survey respondents are supplemented with data from other sources for some areas.

Price data are provided by survey respondents on a voluntary and confidential basis; only sworn BLS employees are allowed access to individual company price reports. BLS publishes price indexes, not actual prices. All PPIs are subject to monthly revisions up to 4 months after original publication to reflect the availability of late reports and corrections by respondents.

BLS periodically updates the PPI sample of survey respondents to better reflect current conditions when the structure, membership, technology, or product mix of an industry shifts significantly and to spread reporting burden among smaller firms. Information on these resampling efforts are noted in the *PPI News Release* and *PPI Detailed Report* in the months they occur.

As part of an ongoing effort to expand coverage to sectors of the economy other than mining and manufacturing, an increasing number of service and construction sector industries have been introduced into the PPI. The following list of industries introduced since the mid-1990s includes the month and year in which an article describing the industry's content appeared in the *PPI Detailed Report*.

### Service and construction sector industries introduced into the Producer Price Index, by SIC or NAICS code at their date of introduction and the *PPI Detailed Report* issue that announces their introduction

Title	Code	<i>PPI Detailed Report</i> Issue
	<b>SIC</b>	
Wireless telecommunications .....	4812	July 1999
Telephone communications, except radio telephone .....	4813	July 1995
Television broadcasting .....	4833	July 2002
Grocery stores .....	5411	July 2000
Meat and fish (seafood) markets .....	5421	July 2000
Fruit and vegetable markets .....	5431	July 2000
Candy, nut, and confectionery stores ...	5441	July 2000



Title	Code	PPI Detailed Report Issue
<b>SIC</b>		
Retail bakeries .....	5461	July 2000
Miscellaneous food stores .....	5499	July 2000
New car dealers .....	5511	July 2000
Gasoline service stations .....	5541	January 2002
Boat dealers .....	5551	January 2002
Recreational vehicle dealers .....	5561	January 2002
Miscellaneous retail .....	59	January 2001
Security brokers, dealers, and investment bankers .....	6211	January 2001
Investment advice .....	6282	January 2003
Life insurance carriers .....	6311	January 1999
Property and casualty insurance .....	6331	July 1998
Insurance agencies and brokerages .....	6412	January 2003
Operators and lessors of nonresidential buildings .....	6512	January 1996
Real estate agents and managers .....	6531	January 1996
Prepackaged software .....	7372	January 1998
Data processing services .....	7374	January 2002
Home health care services .....	8082	January 1997
Legal services .....	8111	January 1997
Engineering design, analysis, and consulting services .....	8711	January 1997
Architectural design, analysis, and consulting services .....	8712	January 1997
Premiums for property and casualty insurance .....	9331	July 1998
<b>NAICS</b>		
New Industrial building construction .....	236211	January 2008
New warehouse building construction .....	236221	July 2005
New school construction .....	236222	July 2006
New office construction .....	236223	January 2007
New health care building construction .....	236224	January 2013
Concrete contractors, nonresidential building work .....	23811X	July 2008
Roofing contractors, nonresidential building work .....	23816X	July 2008
Electrical contractors, nonresidential building work .....	23821X	July 2008
Plumbing / HVAC contractors, nonresidential building work .....	23822X	July 2008
Merchant wholesalers, durable goods .....	423	July 2005
Merchant wholesalers, nondurable goods .....	424	July 2005
Electronics and appliance stores .....	443	January 2004
Building material and garden equipment and supplies dealers .....	444	January 2004
Sporting goods, hobby, book, and music stores .....	451	January 2004
General merchandise stores .....	452	January 2004
Miscellaneous store retailers .....	453	January 2004
Pipeline transportation of natural gas .....	486210	June 2022
Internet service providers .....	518111	July 2005
Internet publishing and web search portals .....	519130	January 2010
Commercial banking .....	522110	January 2005
Savings institutions .....	522120	January 2005
Direct health and medical insurance carriers .....	524114	July 2004

Title	Code	PPI Detailed Report Issue
<b>NAICS</b>		
Construction, mining, and forestry machinery and equipment rental and leasing .....	532412	January 2005
Management consulting services .....	541610	January 2007
Security guards and patrol services .....	561612	July 2005
Offices of dentists .....	621210	January 2011
Blood and organ banks .....	621991	January 2007
Amusement and theme parks .....	713110	July 2006
Golf courses and country clubs .....	713910	July 2006
Fitness and recreational sports centers .....	713940	July 2005
Commercial machinery repair and maintenance .....	811310	July 2007

## Weights

Weights for most commodity groupings of the PPI, as well as, weights for commodity-based aggregate indexes calculated from commodity groupings, such as FD-ID indexes, currently reflect 2017 values of shipments as reported in the *Census of Manufactures* and other sources. From January 2018 to December 2022, PPI weights were derived from 2012 shipment values. Industry indexes now are calculated under the 2022 NAICS structure utilizing 2017 value of shipment weights and 2012 net output ratios. The periodic update of the value weights used to calculate the PPI is done to more accurately reflect changes in production and marketing patterns in the economy.

Net output values of shipments are used as weights for industry indexes. Net output values refer to the value of shipments from establishments within the industry to buyers outside the industry. However, weights for commodity indexes are based on gross shipment values, including values of shipments between establishments within the same industry. As a result, broad commodity grouping indexes, such as the PPI for All Commodities (which is composed of major commodity groupings 01 through 15), are affected by the multiple counting of price change at successive stages of processing, which can lead to exaggerated or misleading signals about inflation. The intermediate demand by commodity type FD-ID indexes partially correct for this defect, but industry indexes, final demand FD-ID indexes, and intermediate demand by production flow FD-ID indexes consistently correct for this at all levels of aggregation. Therefore, industry and FD-ID indexes are more appropriate than broad commodity groupings for analysis of general price trends.

## Price Index Reference Base

Effective with publication of January 1988 data, many important PPI series (including most commodity groups and individual items) were placed on a new reference base, 1982 = 100. From 1971 through 1987, the standard reference base for most PPI series was 1967 = 100. Except for rounding differences, the shift to the new reference base did not alter any previously published percent changes for affected PPI series. (See "Calculating Index Changes," below.) The 1982

reference base is not used for commodity indexes with a base later than December 1981 or for industry net output indexes and their products. The FD-ID indexes typically have a reference base of November 2009 = 100.

For further information on the underlying concepts and methodology of the Producer Price Index, see chapter 14, “Producer Prices,” in the *BLS Handbook of Methods*. This chapter can be downloaded from the BLS Web site at [www.bls.gov/opub/hom/homch14.htm](http://www.bls.gov/opub/hom/homch14.htm).

## Calculating Index Changes

Each PPI measures price changes from a reference period that equals 100.0. An increase of 5.5 percent from the reference period in the Final Demand Goods Price Index, for example, is shown as 105.5. This change also can be expressed in dollars, as follows: prices received by domestic producers of a sample of final demand goods have risen from \$100 in November 2009 to \$105.50. Likewise, a current index of 90.0 would indicate that prices received by producers of final demand goods are 10 percent lower than they were in November 2009.

Movements of price indexes from one month to another are usually expressed as percent changes, rather than as changes in index points. Index point changes are affected by the level of the index in relation to its base period, whereas percent changes are not. The following example shows the computation of index point and percent changes.

### *Index point change*

Final Demand Goods Price Index	107.5
Less previous index	104.0
Equals index point change	3.5

### *Index percent change*

Index point change	3.5
Divided by the previous index	104.0
Equals	0.034
Result multiplied by 100	0.034 x 100
Equals percent change	3.4

## Seasonally Adjusted and Unadjusted Data

Because price data are used for different purposes by different groups, BLS publishes seasonally adjusted and unadjusted changes each month. Seasonally adjusted data are preferred for analyzing general price trends in the economy because these data eliminate the effect of changes that normally occur at about the same time, and in about the same magnitude, every year—such as price movements resulting from normal weather patterns, regular production and marketing cycles, model changeovers, seasonal discounts, and holidays. For these reasons, seasonally adjusted data more clearly reveal underlying trends. Unadjusted data are of primary interest to users who need information that can be related to actual dollar values of transactions. Individuals requiring this information include marketing specialists, purchasing agents, budget and cost analysts, contract specialists, and commodity traders. It is the unadjusted data

that are generally cited when escalating long-term contracts such as purchasing agreements or real estate leases. For more information, see *Price Adjustment Guide for Contracting Parties*, on the Web at: [www.bls.gov/ppi/publications/price-adjustment-guide-for-contracting-parties.htm](http://www.bls.gov/ppi/publications/price-adjustment-guide-for-contracting-parties.htm).

Seasonal adjustment is accomplished using X-13 ARIMA, a software package published by the U.S. Census Bureau. Each year, the seasonal status of most commodity indexes is reevaluated to reflect more recent price behavior. Industry net output indexes are not seasonally adjusted. For time series that exhibit seasonal pricing patterns, new seasonal factors are estimated and applied to the unadjusted data from the prior 5 years. Updated seasonally adjusted indexes replace the most recent 5 years of seasonal data.

Seasonal factors may be applied to series using either a direct or an aggregative method. Generally, commodity indexes are seasonally adjusted using direct seasonal adjustment, which produces a more complete elimination of seasonal movements than does the aggregative method. However, the direct seasonal adjustment process may not yield figures that possess additive consistency. Thus, a seasonally adjusted index for a broad category that is directly adjusted may not be logically consistent with all seasonally adjusted indexes for its components. Seasonal movements for FD-ID indexes are derived indirectly through an aggregative method that combines movements of a wide variety of subproduct class (six-digit) series.

Seasonally adjusted indexes can become problematic when previously stable and predictable price patterns abruptly change. If the new pattern persists, the seasonal adjustment method will eventually reflect it; if the pattern keeps shifting, however, seasonally adjusted data will become chronically troublesome. This problem occurs relatively infrequently for farm and food-related products, but has more often affected manufactured products such as automobiles and steel.

Since January 1988, the PPI has used Intervention Analysis Seasonal Adjustment methods to enhance the calculation of seasonal factors. With this technique, outlier values that may distort the seasonal pattern are removed from the data prior to applying the standard seasonal factor estimation procedure. For example, a possible economic cause for large price movements for petroleum-based products might have been the COVID-19 pandemic. In this case, intervention techniques allowed for better estimates of seasonally adjusted data. On the whole, very few series have required intervention. Out of over 400 seasonally adjusted commodity series, 69 were subject to intervention in 2023.

For more information relating to seasonal adjustment methods, see “PPI and CPI Seasonal Adjustment: an Update” in the July 2010 *Monthly Labor Review*, and “PPI and CPI Seasonal Adjustment During the COVID-19 Pandemic” in the May 2022 *Monthly Labor Review*.

## Producer Price Index Data on the Internet

In 1995, the BLS began posting PPI series, news releases, and technical information to the internet. There were more than 13 million instances of PPI data being downloaded from the BLS website during 2022.

## Retrieving PPI data from the PPI Web site

PPI data can be obtained online ([www.bls.gov/ppi](http://www.bls.gov/ppi)). On this page, under the tab labeled “Featured PPI databases” links provide the following methods of data retrieval:

- **Top Picks** is a form-based application for both Industry Data and Commodity Data that allows the user to quickly obtain PPI time series data by selecting the high-level aggregate and other commonly requested time series, including the All Commodities Index and the FD-ID indexes (for example, Final Demand). Within each list, any one—or all—of the time series shown can be selected. A user can modify the date range and output options after executing the query, using the reformat button above the data output table.
- **One-Screen Data Search and Multi-Screen Data Search** are form-based query applications for both Industry Data and Commodity Data designed for users unfamiliar with the PPI coding structure. These applications guide a user through the PPI classification by listing index titles and do not require knowledge of commodity or industry codes. Data retrieved are based on a query formulated by selecting data characteristics from lists provided. Two options are available to create customized tables, depending on a user’s browser capability. The one-screen option is a JavaScript application that uses a single screen to guide a user through the available time series data. The second option is a multiple-screen, non-Java-based application. Both methods allow a user to browse the PPI coding structure and select multiple series. Users can modify the date range and output options after executing the query using the reformat button above the data output table.
- **Series Report** is a form-based application that allows users to input multiple, formatted PPI time series identifiers (commodity or industry codes) as inputs in extracting data according to a specified set of date ranges and output options. This application provides the most efficient path for users who are familiar with the format of PPI time series identifiers. There are five alphabetic prefixes used to create unique PPI time series identifiers: WP, WD, PC, PD, and ND. Each provides the user access to a different PPI database. Adding either a “u” (not seasonally adjusted) or an “s” (seasonally adjusted) to the end of these prefixes further specifies the type of data needed.

### EXAMPLES

**For commodity and FD-ID indexes**, series identifiers combine a “wpu” prefix (not seasonally adjusted) or a “wps” prefix (seasonally adjusted) with a commodity code.

<u>Commodity code</u>	<u>Provides data for:</u>
wps141101	Passenger cars, seasonally adjusted
wpu141101	Passenger cars, not seasonally adjusted
wpufd4	Final demand, not seasonally adjusted
wpsid63	Services for intermediate demand, seasonally adjusted

**For discontinued commodity indexes**, series identifiers combine a “wdu” prefix (not seasonally adjusted) or a “wds” prefix (seasonally adjusted) with a commodity code.

<u>Commodity code</u>	<u>Provides data for:</u>
wds019	Other farm products, seasonally adjusted
wdu0635	Preparations, ethical (prescription), not seasonally adjusted
wdusi138011	Stainless steel mill products, not seasonally adjusted

**Current price indexes grouped by industry according to NAICS** have series identifiers that begin with the prefix “pcu.” After the prefix, there are 12 digits (the 6-digit industry code is listed twice) followed by up to 7 alphanumeric characters identifying product detail. Dashes are used as placeholders for higher-level industry group codes.

<u>Industry-product code, current NAICS series</u>	<u>Provides data for:</u>
pcu325---325---	Chemical manufacturing
pcu336110336110	Automobile and light duty motor vehicle manufacturing
pcu621111621111411	Offices of physicians, one- and two-physician practices and single-specialty group practices, general/family practice

**Discontinued industry-product codes based on SIC** combine a “pdu” prefix and “#” between the fourth and fifth characters of the product code. Series identifiers for the discontinued dataset use underscores as placeholders to complete a reference to an SIC industry group code of fewer than four digits. (All PPI industry-based indexes organized by SIC were discontinued with the introduction of NAICS in 2004.)

<u>Industry-product code, discontinued SIC series</u>	<u>Provides data for:</u>
pdu28_#	Chemicals and allied products
pdu331_#	Blast furnaces, steel works, and rolling and finishing mills
pdu3711#111	Passenger cars

**Price indexes for discontinued series grouped by industry according to NAICS** have identifiers that begin with the prefix “ndu”. After the prefix, there are 12 numeric digits (the 6-digit industry code is listed twice), and up to 7 additional alphanumeric characters that identify product detail. Dashes are used as placeholders for higher-level group codes.

*Industry-product code,  
discontinued NAICS series*  
ndu212231212231  
ndu2122312122312  
ndu212231212231214

*Provides data for*  
Lead and zinc ore mining  
Lead, zinc concentrates  
Lead concentrates

- **Text Files** are best suited for users requiring access to either a large volume of time series data or other PPI-related documentation, such as seasonal factor tables and relative importance tables. The text files can be accessed at [download.bls.gov/](http://download.bls.gov/) or directly from links on the “PPI Databases” page or the PPI homepage. Data and documentation available for download include the following:

Industry Data	<u>Directory:</u> <a href="http://pub.time.series/pc">/pub/time.series/pc</a>
Industry Data - Discontinued (NAICS basis)	<a href="http://pub.time.series/nd">/pub/time.series/nd</a>
(SIC basis)	<a href="http://pub.time.series/pd">/pub/time.series/pd</a>
Commodity Data (incl. FD-ID)	<a href="http://pub.time.series/wp">/pub/time.series/wp</a>
Commodity Data – Discontinued	<a href="http://pub.time.series/wd">/pub/time.series/wd</a>
Special requests	<a href="http://pub.special.requests/ppi">/pub/special.requests/ppi</a>

### Additional information

The PPI homepage ([www.bls.gov/ppi](http://www.bls.gov/ppi)) contains additional information regarding PPI data and methodology. The “PPI Publications” section of the homepage provides PPI news releases, both current and archived, as well as general PPI information. The “PPI Tables” section provides relative importance and seasonal factor tables. The remaining sections offer special notices and publications pertaining to PPI methodology and applications.

For questions or comments regarding PPI data classification, methodology, or data availability on the Internet, call or e-mail the Section of Index Analysis and Public Information at (202) 691-7705 or [ppi-info@bls.gov](mailto:ppi-info@bls.gov). If you are deaf, hard of hearing, or have a speech disability, please dial 7-1-1 to access telecommunications relay services.

**Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted [August 2024]**

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Aug. 2023 to Aug. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Mar. to Apr.	Apr. to May <sup>P</sup>	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>
<b>Final Demand</b>									
Final demand.....	FD	4	100.000	1.7	0.5	0.0	0.2	0.0	0.2
Final demand goods.....	FD	41	30.162	0.0	0.4	-0.8	-0.3	0.6	0.0
Final demand foods.....	FD	411	5.633	2.3	-0.8	-0.1	0.1	0.7	0.1
Finished consumer foods <sup>3</sup> .....	FD	4111	4.307	4.2	-0.7	-0.5	0.4	0.6	0.6
Finished consumer foods, crude.....	FD	41113	0.351	19.4	-4.4	-7.5	4.7	-2.6	12.0
Finished consumer foods, processed.....	FD	41112	3.956	2.9	-0.4	0.2	0.0	0.9	-0.4
Government purchased foods.....	FD	4112	0.410	3.9	-0.7	0.1	0.6	1.9	-0.8
Foods for export.....	FD	4113	0.916	-7.5	-0.9	1.5	-1.3	0.1	-2.0
Final demand energy.....	FD	412	5.517	-8.4	1.8	-4.5	-2.0	1.8	-0.9
Finished consumer energy goods <sup>3</sup> .....	FD	4121	4.292	-7.6	1.9	-3.9	-2.1	1.3	-0.6
Government purchased energy.....	FD	4122	0.834	-12.0	1.3	-7.8	-1.7	3.6	-2.1
Energy for export.....	FD	4123	0.391	-9.7	1.7	-4.2	-1.7	3.9	-2.3
Final demand goods less foods and energy.....	FD	413	19.012	2.1	0.3	0.2	0.0	0.2	0.2
Finished goods less foods and energy <sup>3</sup> .....	FD	4131	10.933	2.3	0.1	0.2	0.1	0.1	0.3
Finished consumer goods less foods and energy.....	FD	41311	5.811	2.1	0.1	0.3	0.0	0.1	0.4
Nondurable consumer goods less foods and energy.....	FD	413111	3.522	2.8	0.2	0.5	0.1	0.1	0.6
Durable consumer goods.....	FD	413112	2.289	1.1	0.1	0.0	0.0	0.1	0.2
Private capital equipment.....	FD	41312	5.122	2.5	0.1	0.1	0.1	0.1	0.2
Private capital equipment for manufacturing industries.....	FD	413121	1.254	3.6	0.1	0.3	0.1	0.2	0.4
Private capital equipment for nonmanufacturing industries.....	FD	413122	3.868	2.2	0.1	0.1	0.1	0.1	0.2
Government purchased goods, excluding foods and energy.....	FD	4132	1.971	2.6	0.3	0.0	0.0	0.3	0.1
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.146	1.7	0.4	-0.1	0.0	0.4	0.1
Government purchased capital equipment.....	FD	41322	0.825	3.9	0.2	0.1	0.1	0.1	0.1
Goods for export, excluding foods and energy.....	FD	4133	6.108	1.7	0.5	0.3	0.0	0.4	-0.1
Final demand services.....	FD	42	67.184	2.6	0.6	0.3	0.4	-0.3	0.4
Final demand trade services <sup>4</sup> .....	FD	423	19.195	-0.5	0.5	0.7	1.3	-1.7	0.6
Trade of finished goods <sup>3</sup> .....	FD	4231	16.558	-1.0	0.3	0.9	1.3	-1.8	0.5
Trade of personal consumption goods.....	FD	42311	13.605	-1.2	-0.4	1.7	0.8	-1.5	-0.2
Trade of private capital equipment.....	FD	42312	2.953	-0.1	3.8	-2.3	3.3	-3.5	3.7
Trade of government purchased goods.....	FD	4232	0.745	1.9	1.9	-0.7	1.8	-1.6	1.1
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.474	1.5	0.0	1.0	0.3	0.3	-0.9
Trade of government purchased capital equipment.....	FD	42322	0.271	2.5	4.9	-3.5	4.5	-4.8	4.5
Trade of exports.....	FD	4233	1.892	2.6	1.6	-0.7	1.1	-0.7	1.1
Final demand transportation and warehousing services.....	FD	422	4.931	1.0	-0.5	-0.9	-0.1	1.0	-0.1
Transportation of passengers for final demand.....	FD	4221	1.271	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Transportation of private passengers.....	FD	42211	0.857	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Transportation of government passengers.....	FD	42212	0.103	-2.7	-3.5	-3.9	0.4	0.1	-0.8
Transportation of passengers for export.....	FD	42213	0.311	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Transportation and warehousing of goods for final demand.....	FD	4222	3.660	2.3	0.6	0.1	-0.2	1.3	0.1
Transportation and warehousing of finished goods <sup>3</sup> .....	FD	42221	2.368	2.2	0.6	0.1	-0.2	1.3	0.1
Transportation and warehousing of personal consumption goods.....	FD	422211	1.908	2.3	0.6	0.1	-0.2	1.3	0.2
Transportation and warehousing of private capital equipment.....	FD	422212	0.460	1.8	0.6	0.1	-0.3	1.4	-0.1
Transportation and warehousing of government purchased goods.....	FD	42222	0.220	2.4	0.7	0.0	-0.4	1.0	0.3
Transportation and warehousing of exports.....	FD	42223	1.072	2.4	0.6	0.2	-0.2	1.1	-0.1
Final demand services less trade, transportation, and warehousing.....	FD	421	43.059	4.2	0.7	0.3	0.1	0.2	0.3
Finished services less trade, transportation, and warehousing <sup>3</sup> .....	FD	4211	37.528	4.1	0.7	0.3	0.1	0.2	0.4
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	33.067	4.2	0.7	0.3	0.1	0.2	0.4
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	4.461	2.7	1.0	0.5	0.0	0.4	0.3
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.810	4.0	0.8	0.3	0.2	0.2	0.1
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.647	4.1	0.8	0.3	0.3	0.2	0.1
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.163	2.2	1.0	0.8	-0.3	0.4	0.1
Services for export less trade, transportation, and warehousing.....	FD	4213	2.721	5.8	1.0	0.3	0.6	0.0	0.3
Final demand construction.....	FD	43	2.654	1.3	0.1	0.0	0.4	0.7	0.0
Construction for private capital investment.....	FD	431	1.844	1.0	0.0	0.0	0.4	0.6	0.0
Construction for government.....	FD	432	0.810	1.8	0.4	-0.1	0.2	1.0	0.1
<b>Special Groupings of Final Demand</b>									
Final demand less exports.....	FD	49101	86.589	1.8	0.5	0.0	0.2	-0.1	0.3
Final demand less government.....	FD	49102	92.097	1.8	0.5	0.1	0.2	-0.1	0.3

See footnotes at end of table.

**Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**  
[August 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Aug. 2023 to Aug. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Mar. to Apr.	Apr. to May <sup>P</sup>	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>5</sup> .....	FD	49103	88.421	2.4	0.5	0.3	0.3	-0.2	0.3
Final demand less foods and energy <sup>5</sup> .....	FD	49104	88.850	2.4	0.5	0.3	0.3	-0.2	0.3
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>5</sup> .....	FD	49105	93.938	1.6	0.6	0.0	0.2	-0.1	0.2
Final demand less foods <sup>5</sup> .....	FD	49106	94.367	1.7	0.6	0.0	0.2	-0.1	0.2
Final demand less energy.....	FD	49107	94.483	2.4	0.4	0.3	0.3	-0.1	0.3
Final demand less trade services.....	FD	49108	80.805	2.3	0.5	-0.2	-0.1	0.4	0.2
Final demand less distributive services <sup>6</sup> .....	FD	49109	77.145	2.3	0.5	-0.2	0.0	0.3	0.2
Final demand goods less energy.....	FD	49111	24.645	2.2	0.0	0.2	0.1	0.3	0.2
Final demand goods less foods.....	FD	49112	24.529	-0.5	0.6	-0.9	-0.4	0.6	-0.1
Final demand services less trade services.....	FD	49113	47.990	3.8	0.6	0.2	0.1	0.2	0.3
Final demand distributive services <sup>6</sup> .....	FD	49114	22.855	-0.1	0.5	0.6	1.0	-1.3	0.5
Final demand goods plus final demand distributive services <sup>6</sup> .....	FD	49115	53.017	0.0	0.4	-0.2	0.3	-0.2	0.2
Final demand less foods, energy, and trade services <sup>5</sup> .....	FD	49116	69.655	3.3	0.5	0.2	0.1	0.3	0.3
Private and government purchased capital equipment.....	FD	49117	5.947	2.7	0.1	0.1	0.1	0.1	0.2
Private and government purchased capital investment services.....	FD	49118	8.308	1.6	2.1	-0.7	1.3	-1.2	1.6
Total private and government purchased capital investment.....	FD	49119	14.255	1.9	1.1	-0.3	0.7	-0.4	0.9
Total finished <sup>3</sup> .....	FD	49201	78.687	1.8	0.5	0.1	0.2	-0.1	0.3
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>3, 5</sup> .....	FD	49202	69.663	2.3	0.5	0.4	0.4	-0.3	0.4
Total finished less foods and energy <sup>3, 5</sup> .....	FD	49203	70.088	2.3	0.5	0.4	0.4	-0.3	0.4
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>3, 5</sup> .....	FD	49204	73.955	1.7	0.5	0.1	0.2	-0.2	0.3
Total finished less foods <sup>3, 5</sup> .....	FD	49205	74.380	1.7	0.5	0.1	0.2	-0.2	0.3
Total finished less energy <sup>3</sup> .....	FD	49206	74.395	2.5	0.4	0.3	0.4	-0.2	0.4
Finished goods <sup>3</sup> .....	FD	49207	19.532	0.2	0.3	-0.9	-0.3	0.5	0.2
Finished goods less energy <sup>3</sup> .....	FD	49208	15.240	2.9	-0.1	0.0	0.2	0.3	0.4
Finished goods, excluding foods <sup>3, 5</sup> .....	FD	49209	15.225	-0.8	0.6	-1.0	-0.6	0.4	0.1
Finished services <sup>3</sup> .....	FD	49210	57.311	2.4	0.5	0.4	0.4	-0.4	0.4
Private capital investment services.....	FD	49211	7.874	1.6	2.1	-0.6	1.2	-1.1	1.6
Finished distributive services <sup>3, 6</sup> .....	FD	49212	18.926	-0.6	0.4	0.8	1.1	-1.5	0.4
Finished services less trade services <sup>3</sup> .....	FD	49213	40.753	3.8	0.6	0.2	0.1	0.2	0.3
Finished services less distributive services <sup>3, 6</sup> .....	FD	49214	38.385	3.9	0.6	0.2	0.1	0.2	0.3
Total private capital investment (goods, services, and construction).....	FD	49215	14.840	1.8	1.1	-0.3	0.7	-0.5	0.9
Finished goods plus finished distributive services <sup>3, 6</sup> .....	FD	49216	38.458	-0.2	0.4	-0.1	0.3	-0.5	0.3
Total exports.....	FD	49301	13.411	1.6	0.6	0.0	0.1	0.3	0.0
Goods for export.....	FD	49302	7.415	-0.1	0.4	0.2	-0.3	0.5	-0.4
Services for export.....	FD	49303	5.996	3.7	0.9	-0.3	0.6	0.0	0.4
Total government purchases.....	FD	49401	7.903	1.2	0.7	-0.9	0.1	0.6	-0.1
Government purchased goods.....	FD	49402	3.215	-1.4	0.4	-2.1	-0.3	1.3	-0.6
Government purchased services.....	FD	49403	3.878	3.3	0.9	0.0	0.5	-0.1	0.3
Total government purchased capital investment (goods, services, construction).....	FD	49404	2.069	2.8	1.0	-0.4	0.7	-0.2	0.7
Government purchases, defense.....	FD	49405	2.356	0.4	0.6	-1.1	0.1	0.4	-0.5
Government purchases, non-defense.....	FD	49406	5.547	1.5	0.7	-0.8	0.1	0.7	0.1
Personal consumption.....	FD	49501	63.847	1.8	0.3	0.2	0.1	0.0	0.2
Personal consumption goods (finished consumer goods).....	FD	49502	14.410	-0.5	0.4	-1.2	-0.5	0.6	0.2
Personal consumption goods less energy.....	FD	49503	10.118	3.0	-0.2	0.0	0.2	0.3	0.5
Personal consumption goods less foods.....	FD	49504	10.103	-2.4	0.9	-1.6	-0.9	0.6	0.0
Personal consumption nondurable goods less foods.....	FD	49508	7.814	-3.4	1.1	-2.0	-1.1	0.8	-0.1
Personal consumption services.....	FD	49505	49.437	2.5	0.3	0.6	0.3	-0.2	0.2
Personal consumption less trade services.....	FD	49506	50.242	2.6	0.5	-0.2	-0.1	0.3	0.3
Personal consumption less distributive services <sup>6</sup> .....	FD	49507	48.334	2.6	0.5	-0.2	-0.1	0.3	0.3
Personal consumption less foods and energy.....	FD	49510	55.248	2.5	0.3	0.6	0.3	-0.2	0.2
Personal consumption less foods, energy, and trade services <sup>4</sup> .....	FD	49511	41.643	3.7	0.5	0.2	0.1	0.2	0.3
Personal consumption less foods, energy, and distributive services <sup>6</sup> .....	FD	49512	39.735	3.8	0.5	0.2	0.1	0.1	0.3
Personal consumption goods plus personal consumption distributive services <sup>6</sup> .....	FD	49509	29.923	-0.6	0.1	0.1	0.1	-0.3	0.0
<b>Intermediate Demand by Commodity Type</b>									
<b>Processed goods</b>									
Processed goods for intermediate demand.....	ID6	1	100.000	-1.1	0.5	-1.3	-0.1	0.6	-0.1
Materials and components for manufacturing.....	ID6	11	43.169	0.8	0.3	0.1	0.1	0.3	-0.1
Materials for manufacturing.....	ID6	111	26.499	0.2	0.3	0.1	0.1	0.4	-0.3
Materials for food manufacturing.....	ID6	1111	4.375	4.6	0.1	0.1	0.8	1.6	-0.1
Materials for nondurable manufacturing.....	ID6	1112	11.774	2.2	0.9	-0.5	0.0	1.4	0.3
Materials for durable manufacturing.....	ID6	1113	10.350	-3.8	-0.2	0.7	-0.2	-1.3	-1.1
Components for manufacturing.....	ID6	112	16.670	1.8	0.1	0.1	0.1	0.0	0.3

See footnotes at end of table.

**Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**  
[August 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Aug. 2023 to Aug. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Mar. to Apr.	Apr. to May <sup>P</sup>	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>
Components for nondurable manufacturing.....	ID6	1121	0.804	1.6	0.5	0.3	0.0	-0.1	0.5
Components for durable manufacturing.....	ID6	1122	15.866	1.8	0.1	0.1	0.1	0.0	0.3
Materials and components for construction.....	ID6	12	10.782	0.9	0.3	0.0	-0.2	-0.2	0.2
Materials for construction.....	ID6	121	4.753	0.8	0.4	-0.4	-0.1	-0.4	-0.2
Components for construction.....	ID6	122	6.029	1.1	0.2	0.2	-0.2	0.0	0.6
Processed fuels and lubricants for intermediate demand.....	ID6	13	18.656	-8.2	1.8	-6.9	-0.7	2.4	-0.6
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.711	-4.3	1.6	-4.3	0.6	0.9	-0.4
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	13.945	-9.4	1.9	-7.8	-1.1	2.9	-0.6
Containers for intermediate demand.....	ID6	14	3.090	0.9	0.4	0.5	0.0	0.5	0.6
Supplies for intermediate demand.....	ID6	15	24.303	0.4	0.2	0.2	0.1	0.3	0.1
Supplies to manufacturing industries.....	ID6	151	3.234	1.9	0.4	0.4	0.1	0.0	0.2
Supplies to nonmanufacturing industries.....	ID6	152	21.069	0.2	0.2	0.2	0.1	0.3	0.1
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	2.208	-9.8	-1.3	0.2	1.0	1.5	-0.6
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	18.861	1.4	0.3	0.1	0.0	0.2	0.1
<b>Unprocessed goods</b>									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	-4.3	2.1	0.0	0.5	2.1	-3.7
Unprocessed foodstuffs and feedstuffs.....	ID6	21	37.665	-2.0	-0.6	2.8	-1.3	2.0	-1.7
Unprocessed nonfood materials.....	ID6	22	62.334	-5.8	3.8	-1.6	1.6	2.2	-5.0
Unprocessed nonfood materials except fuel.....	ID6	221	51.132	-2.2	4.8	-3.2	-0.4	2.4	-2.7
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	48.525	-2.6	5.0	-3.4	-0.4	2.4	-2.9
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	2.607	7.4	0.4	0.0	0.0	0.9	0.9
Unprocessed fuel.....	ID6	222	11.202	-24.5	-3.0	10.0	15.1	1.2	-18.5
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.016	-0.2	-1.1	2.5	0.8	3.0	-2.4
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	10.186	-27.1	-3.3	11.1	17.2	0.9	-20.5
<b>Services</b>									
Services for intermediate demand.....	ID6	3	100.000	3.4	0.2	0.3	0.2	0.3	-0.1
Trade services for intermediate demand <sup>4</sup> .....	ID6	33	18.284	2.1	-0.4	0.6	-0.1	0.7	-0.3
Trade services for manufacturing industries.....	ID6	331	9.046	2.2	-0.4	0.3	-0.7	1.3	-0.5
Trade services for nonmanufacturing industries.....	ID6	332	9.238	2.0	-0.4	0.9	0.5	0.1	-0.2
Transportation and warehousing services for intermediate demand.....	ID6	32	14.025	4.2	0.4	0.5	-0.3	0.4	0.0
Transportation of passengers for intermediate demand.....	ID6	321	1.039	-2.7	-3.5	-3.9	0.4	0.1	-0.8
Transportation of passengers for manufacturing industries.....	ID6	3211	0.124	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.915	-2.7	-3.5	-3.9	0.4	0.1	-0.8
Transportation and warehousing of goods for intermediate demand.....	ID6	322	12.986	4.7	0.8	0.9	-0.3	0.5	0.1
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.724	1.7	0.8	0.0	-0.2	0.8	-0.1
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	10.262	5.6	0.8	1.1	-0.4	0.4	0.1
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	67.691	3.6	0.4	0.2	0.4	0.1	-0.1
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.126	4.2	0.5	0.2	0.4	0.0	0.0
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	65.565	3.6	0.4	0.2	0.4	0.1	-0.1
<b>Construction</b>									
Construction for intermediate demand.....	ID6	4	100.000	4.3	2.9	0.0	0.1	0.0	0.1
<b>Special Groupings of Intermediate Demand by Commodity Type</b>									
Processed materials less foods and feeds.....	ID6	9111	91.107	-1.3	0.6	-1.4	-0.2	0.5	0.0
Processed foods and feeds.....	ID6	9112	8.893	0.7	-0.3	0.2	0.7	1.5	-0.3
Processed energy goods.....	ID6	9113	18.656	-8.2	1.8	-6.9	-0.7	2.4	-0.6
Processed materials less energy.....	ID6	9118	81.344	0.7	0.2	0.1	0.1	0.2	0.0
Processed materials less foods and energy.....	ID6	9115	72.451	0.7	0.3	0.1	0.0	0.1	0.1
Intermediate distributive services <sup>7</sup> .....	ID6	9116	31.270	3.2	0.1	0.7	-0.2	0.6	-0.1
Processed goods plus intermediate distributive services.....	ID6	9117	-	0.2	0.4	-0.7	-0.1	0.6	-0.1
Unprocessed materials less agricultural products.....	ID6	9211	57.180	-4.1	4.6	-2.0	1.7	2.8	-5.3
Unprocessed energy materials <sup>8</sup> .....	ID6	9212	37.534	-9.0	6.0	-3.9	3.0	3.1	-7.5
Unprocessed materials less energy.....	ID6	9213	62.466	-1.3	-0.2	2.4	-1.0	1.5	-1.4
Unprocessed nonfood materials less energy <sup>9</sup> .....	ID6	9216	24.801	-0.1	0.5	1.9	-0.5	0.8	-1.1
<b>Intermediate Demand by Production Flow</b>									
<b>Stage 4 Intermediate Demand</b>									
Stage 4 intermediate demand.....	ID5	4	100.000	1.9	0.4	-0.1	0.0	0.5	-0.1
Inputs to stage 4 goods producers.....	ID5	41	29.667	0.7	0.2	0.3	-0.3	0.5	-0.2
Goods.....	ID5	411	21.624	-0.3	0.1	0.4	-0.1	0.1	-0.1

See footnotes at end of table.



**Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**  
 [August 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Aug. 2023 to Aug. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Mar. to Apr.	Apr. to May <sup>P</sup>	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>
Foods.....	ID5	4111	2.954	-4.8	0.0	0.9	-0.2	0.6	-0.8
Energy.....	ID5	4112	0.170	-5.1	2.6	6.2	0.7	-3.4	2.1
Goods excluding foods and energy.....	ID5	4113	18.500	0.5	0.1	0.3	0.0	0.0	0.0
Services.....	ID5	412	8.043	3.2	0.3	0.1	-1.0	1.6	-0.4
Trade services.....	ID5	4123	6.035	3.1	0.2	0.1	-1.4	2.2	-0.6
Transportation and warehousing services.....	ID5	4122	4.092	2.0	0.1	-0.5	0.0	0.7	-0.1
Transportation of passengers.....	ID5	41221	0.076	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Transportation and warehousing of goods.....	ID5	41222	0.416	2.8	0.8	0.1	-0.1	0.8	0.0
Services less trade, transportation, and warehousing.....	ID5	4121	1.516	3.9	0.8	0.3	0.5	-0.3	0.1
Inputs to stage 4 services producers.....	ID5	42	55.647	3.1	0.5	-0.2	0.3	0.6	-0.1
Goods.....	ID5	421	13.690	0.6	0.7	-0.9	0.0	0.3	-0.1
Foods.....	ID5	4211	2.275	1.6	-0.2	0.4	-0.5	1.6	-1.0
Energy.....	ID5	4212	4.008	-1.6	1.3	-3.4	0.5	0.1	-0.1
Goods excluding foods and energy.....	ID5	4213	7.407	1.6	0.5	0.2	-0.1	0.1	0.2
Services.....	ID5	422	41.904	4.0	0.4	0.0	0.3	0.6	-0.1
Trade services.....	ID5	4223	4.118	2.6	0.2	0.6	-0.4	1.2	-0.5
Transportation and warehousing services.....	ID5	4222	3.751	4.4	0.3	-0.1	-0.7	0.4	0.6
Transportation of passengers.....	ID5	42221	0.484	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Transportation and warehousing of goods.....	ID5	42222	3.267	5.5	0.9	0.4	-0.9	0.4	0.8
Services less trade, transportation, and warehousing.....	ID5	4221	34.035	4.2	0.4	0.0	0.5	0.6	-0.1
Construction.....	ID5	423	0.053	4.3	2.9	0.0	0.1	0.0	0.1
Inputs to stage 4 construction producers.....	ID5	43	14.686	0.0	0.3	-0.5	-0.3	0.2	0.2
Goods.....	ID5	431	10.699	-0.5	0.5	-0.7	-0.5	0.1	0.3
Energy.....	ID5	4312	0.763	-14.8	3.2	-8.2	-3.9	3.2	0.6
Goods excluding foods and energy.....	ID5	4313	9.936	1.0	0.2	0.0	-0.2	-0.2	0.2
Services.....	ID5	432	3.987	1.2	-0.1	0.0	0.1	0.5	-0.1
Trade services.....	ID5	4323	1.737	-0.4	-1.1	-0.2	0.1	0.6	-0.3
Transportation and warehousing services.....	ID5	4322	0.661	1.9	0.6	0.0	-0.2	1.3	-0.1
Transportation of passengers.....	ID5	43221	0.015	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Transportation and warehousing of goods.....	ID5	43222	0.646	2.0	0.7	0.1	-0.2	1.3	-0.1
Services less trade, transportation, and warehousing.....	ID5	4321	1.589	2.5	0.6	0.3	0.3	-0.1	0.1
<b>Stage 3 Intermediate Demand</b>									
Stage 3 intermediate demand.....	ID5	3	100.000	0.7	0.2	-0.2	-0.2	0.7	-0.4
Inputs to stage 3 goods producers.....	ID5	31	43.622	0.7	-0.3	0.6	-0.1	0.6	-0.3
Goods.....	ID5	311	33.726	0.5	-0.2	0.7	0.0	0.6	-0.3
Foods.....	ID5	3111	10.039	2.4	-1.1	2.1	0.7	2.4	-0.1
Energy.....	ID5	3112	1.161	-6.3	0.0	-1.0	-0.6	-0.5	-0.2
Goods excluding foods and energy.....	ID5	3113	22.526	0.0	0.2	0.2	-0.4	-0.1	-0.5
Services.....	ID5	312	9.896	1.3	-0.6	-0.1	-0.2	0.7	-0.2
Trade services.....	ID5	3123	5.529	0.7	-1.4	-0.1	-0.3	0.7	-0.3
Transportation and warehousing services.....	ID5	3122	2.903	1.8	0.4	-0.1	-0.2	1.2	-0.1
Transportation of passengers.....	ID5	31221	0.148	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Transportation and warehousing of goods.....	ID5	31222	2.755	2.0	0.7	0.1	-0.3	1.2	-0.1
Services less trade, transportation, and warehousing.....	ID5	3121	1.464	2.5	0.5	0.3	0.3	-0.1	0.0
Inputs to stage 3 services producers.....	ID5	32	55.201	0.7	0.5	-0.9	-0.3	0.7	-0.5
Goods.....	ID5	321	9.933	-9.9	1.5	-7.2	-1.4	3.4	-1.4
Foods.....	ID5	3211	0.089	-2.3	-0.6	0.2	-0.1	0.9	-0.7
Energy.....	ID5	3212	5.844	-16.5	2.1	-11.9	-2.3	6.0	-2.3
Goods excluding foods and energy.....	ID5	3213	4.000	1.5	0.5	0.2	-0.2	-0.1	-0.1
Services.....	ID5	322	44.663	3.3	0.3	0.6	0.0	0.1	-0.4
Trade services.....	ID5	3223	2.808	-0.6	-0.9	1.3	1.2	-0.6	-1.0
Transportation and warehousing services.....	ID5	3222	10.562	6.8	0.7	1.6	-0.3	0.3	0.1
Transportation of passengers.....	ID5	32221	0.021	-0.1	-0.2	-0.2	-0.1	0.0	0.0
Transportation and warehousing of goods.....	ID5	32222	10.541	6.8	0.7	1.6	-0.3	0.3	0.1
Services less trade, transportation, and warehousing.....	ID5	3221	31.293	2.4	0.2	0.2	0.0	0.2	-0.5
Construction.....	ID5	323	0.605	4.3	2.9	0.0	0.1	0.0	0.1
Inputs to stage 3 construction producers.....	ID5	33	1.176	0.8	0.6	-0.4	0.2	0.0	0.1
Goods.....	ID5	331	0.571	0.3	1.0	-0.3	-0.2	-0.5	-0.2
Goods excluding foods and energy.....	ID5	3313	0.571	0.3	1.0	-0.3	-0.2	-0.5	-0.2
Services.....	ID5	332	0.605	1.3	0.2	-0.5	0.6	0.4	0.4
Trade services.....	ID5	3323	0.558	1.2	0.1	-0.5	0.7	0.5	0.5
Transportation and warehousing services.....	ID5	3322	0.016	1.9	1.0	-0.1	-0.1	0.4	-0.1
Transportation and warehousing of goods.....	ID5	33222	0.016	1.9	1.0	-0.1	-0.1	0.4	-0.1
Services less trade, transportation, and warehousing.....	ID5	3321	0.031	1.8	0.1	-0.4	0.3	-0.2	0.1
<b>Stage 2 Intermediate Demand</b>									

See footnotes at end of table.



**Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**  
[August 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Aug. 2023 to Aug. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Mar. to Apr.	Apr. to May <sup>P</sup>	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>
Stage 2 intermediate demand.....	ID5	2	100.000	0.2	1.3	-0.2	0.7	0.6	-1.3
Inputs to stage 2 goods producers.....	ID5	21	50.583	-2.8	2.4	-0.9	1.0	1.2	-2.7
Goods.....	ID5	211	35.955	-5.1	3.2	-1.4	1.4	1.8	-3.7
Foods.....	ID5	2111	4.053	-14.5	-0.6	1.6	-0.4	0.1	-2.3
Energy.....	ID5	2112	16.236	-9.0	6.0	-4.0	2.8	2.9	-7.5
Goods excluding foods and energy.....	ID5	2113	15.666	1.9	1.2	0.6	0.3	1.0	0.0
Services.....	ID5	212	14.340	2.9	0.4	0.3	0.3	-0.3	-0.2
Trade services.....	ID5	2123	5.608	4.3	0.3	0.8	0.6	-0.4	-0.2
Transportation and warehousing services.....	ID5	2122	4.804	1.5	0.8	0.0	-0.1	-0.2	-0.4
Transportation of passengers.....	ID5	21221	0.178	-2.6	-3.4	-3.8	0.4	0.1	-0.8
Transportation and warehousing of goods.....	ID5	21222	4.626	1.6	1.0	0.2	-0.1	-0.2	-0.4
Services less trade, transportation, and warehousing.....	ID5	2121	3.928	2.7	0.1	0.1	0.2	-0.1	-0.1
Construction.....	ID5	213	0.288	4.3	2.9	0.0	0.1	0.0	0.1
Inputs to stage 2 services producers.....	ID5	22	49.417	3.3	0.2	0.5	0.3	0.0	0.2
Goods.....	ID5	221	5.237	-0.2	0.3	-0.4	0.0	0.6	0.2
Foods.....	ID5	2211	0.050	-0.8	-1.0	0.2	0.7	0.7	0.1
Energy.....	ID5	2212	0.321	-12.4	1.4	-9.7	-0.8	4.3	-1.1
Goods excluding foods and energy.....	ID5	2213	4.866	0.8	0.3	0.3	0.1	0.3	0.3
Services.....	ID5	222	43.217	3.8	0.2	0.6	0.3	-0.1	0.2
Trade services.....	ID5	2223	2.365	6.5	-3.0	4.3	1.5	-0.9	3.2
Transportation and warehousing services.....	ID5	2222	2.944	8.6	0.7	3.3	-0.2	-0.1	-2.2
Transportation of passengers.....	ID5	22221	0.414	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Transportation and warehousing of goods.....	ID5	22222	2.530	10.5	1.4	4.5	-0.2	-0.1	-2.4
Services less trade, transportation, and warehousing.....	ID5	2221	37.908	3.2	0.3	0.2	0.3	-0.1	0.2
Construction.....	ID5	223	0.963	4.3	2.9	0.0	0.1	0.0	0.1
<b>Stage 1 Intermediate Demand</b>									
Stage 1 intermediate demand.....	ID5	1	100.000	0.5	0.3	-0.6	0.1	0.6	0.0
Inputs to stage 1 goods producers.....	ID5	11	32.332	-1.5	0.1	0.1	-0.1	0.4	-0.3
Goods.....	ID5	111	23.262	-3.0	0.2	0.1	-0.1	0.3	-0.4
Foods.....	ID5	1111	2.768	-13.5	-1.1	2.5	-0.5	-1.3	-1.7
Energy.....	ID5	1112	3.428	-5.2	1.0	-2.1	0.6	0.6	-0.5
Goods excluding foods and energy.....	ID5	1113	17.066	-0.8	0.3	0.2	-0.2	0.5	-0.3
Services.....	ID5	112	9.069	2.4	-0.4	0.2	-0.2	0.7	0.0
Trade services.....	ID5	1123	5.496	1.6	-1.3	0.3	-0.3	0.9	-0.2
Transportation and warehousing services.....	ID5	1122	0.607	-1.1	0.2	-1.0	0.0	-0.2	-0.2
Transportation of passengers.....	ID5	11221	0.104	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Transportation and warehousing of goods.....	ID5	11222	0.503	-0.8	1.0	-0.4	-0.1	-0.2	-0.1
Services less trade, transportation, and warehousing.....	ID5	1121	2.966	4.7	1.2	0.1	0.1	0.4	0.5
Construction.....	ID5	113	0.001	4.3	2.9	0.0	0.1	0.0	0.1
Inputs to stage 1 services producers.....	ID5	12	54.779	1.8	0.4	-0.8	0.2	0.7	0.2
Goods.....	ID5	121	16.052	-1.9	0.8	-3.1	-0.3	1.2	0.5
Foods.....	ID5	1211	0.064	31.5	1.1	-6.1	7.5	5.1	16.6
Energy.....	ID5	1212	4.999	-9.4	2.1	-9.6	-0.9	3.7	0.3
Goods excluding foods and energy.....	ID5	1213	10.989	1.8	0.2	0.2	0.0	0.1	0.4
Services.....	ID5	122	38.724	3.4	0.3	0.2	0.4	0.5	0.1
Trade services.....	ID5	1223	3.825	0.6	-0.7	0.9	0.3	0.5	-0.6
Transportation and warehousing services.....	ID5	1222	4.432	2.8	-0.8	-0.9	0.0	0.5	0.9
Transportation of passengers.....	ID5	12221	1.355	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Transportation and warehousing of goods.....	ID5	12222	3.077	5.2	0.5	0.4	-0.2	0.6	1.7
Services less trade, transportation, and warehousing.....	ID5	1221	30.467	3.9	0.5	0.2	0.5	0.5	0.1
Construction.....	ID5	123	0.003	4.3	2.9	0.0	0.1	0.0	0.1
Inputs to stage 1 construction producers.....	ID5	13	12.891	0.2	0.3	-1.1	-0.2	0.6	0.2
Goods.....	ID5	131	9.196	-0.2	0.4	-1.5	-0.3	0.6	0.2
Energy.....	ID5	1312	0.752	-18.2	2.9	-17.8	-2.3	8.7	1.0
Goods excluding foods and energy.....	ID5	1313	8.444	1.7	0.2	0.1	-0.2	0.0	0.2
Services.....	ID5	132	3.695	1.3	0.1	-0.2	0.2	0.7	0.2
Trade services.....	ID5	1323	2.816	1.1	-0.1	-0.3	0.3	0.5	0.2
Transportation and warehousing services.....	ID5	1322	0.783	1.6	0.6	0.1	-0.3	1.5	-0.1
Transportation and warehousing of goods.....	ID5	13222	0.783	1.6	0.6	0.1	-0.3	1.5	-0.1
Services less trade, transportation, and warehousing.....	ID5	1321	0.096	4.4	0.5	0.3	0.8	-0.2	0.7
<b>Special Groupings of Intermediate Demand by Production Flow</b>									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	46.013	-0.1	0.4	-0.2	-0.1	0.2	0.0
Total services inputs to stage 4 intermediate demand.....	ID5	9412	53.934	3.7	0.3	0.0	0.1	0.7	-0.1
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.053	4.3	2.9	0.0	0.1	0.0	0.1
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.229	-2.0	-0.1	0.7	-0.3	1.1	-0.9

See footnotes at end of table.

**Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**  
[August 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Aug. 2023 to Aug. 2024 <sup>p</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Mar. to Apr.	Apr. to May <sup>p</sup>	May to June <sup>p</sup>	June to July <sup>p</sup>	July to Aug. <sup>p</sup>
Total energy goods inputs to stage 4 intermediate demand.....	ID5	9415	4.941	-4.1	1.7	-3.9	-0.2	0.4	0.1
Total goods less foods and energy inputs to stage 4 intermediate demand. ....	ID5	9416	35.843	0.9	0.3	0.2	-0.1	0.0	0.1
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	44.230	-2.0	0.2	-1.1	-0.3	1.2	-0.6
Total services inputs to stage 3 intermediate demand.....	ID5	9312	55.164	2.9	0.1	0.5	0.0	0.2	-0.3
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.605	4.3	2.9	0.0	0.1	0.0	0.1
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	10.128	2.4	-1.0	2.1	0.7	2.4	-0.1
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	7.005	-14.9	1.8	-10.2	-2.0	4.9	-2.0
Total goods less foods and energy inputs to stage 3 intermediate demand. ....	ID5	9316	27.097	0.2	0.3	0.2	-0.3	-0.1	-0.4
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	41.192	-4.4	2.8	-1.3	1.2	1.6	-3.2
Total services inputs to stage 2 intermediate demand.....	ID5	9212	57.557	3.5	0.2	0.6	0.3	-0.2	0.1
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	1.251	4.3	2.9	0.0	0.1	0.0	0.1
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	4.103	-14.4	-0.6	1.6	-0.3	0.1	-2.3
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	16.557	-9.0	5.9	-4.1	2.8	3.0	-7.3
Total goods less foods and energy inputs to stage 2 intermediate demand. ....	ID5	9216	20.532	1.6	1.0	0.6	0.2	0.8	0.0
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	48.510	-2.1	0.5	-1.3	-0.2	0.7	0.0
Total services inputs to stage 1 intermediate demand.....	ID5	9112	51.488	3.1	0.1	0.1	0.3	0.5	0.1
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.004	4.3	2.9	0.0	0.1	0.0	0.1
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	2.832	-12.5	-1.0	2.3	-0.3	-1.1	-1.1
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	9.179	-8.7	1.7	-7.7	-0.4	2.9	0.1
Total goods less foods and energy inputs to stage 1 intermediate demand. ....	ID5	9116	36.499	0.6	0.2	0.2	-0.1	0.3	0.1

<sup>1</sup> Comprehensive relative importance figures are initially computed after the publication of December indexes and are recalculated after final December indexes are available. Individual items and subtotals may not add exactly to totals because of rounding differences.

<sup>2</sup> All indexes are subject to revision for 4 months after their originally scheduled publication to incorporate late reports and corrections by survey respondents. In addition, seasonally adjusted indexes are subject to change for up to 5 years due to the recalculation of seasonal factors published each January.

<sup>3</sup> PPI defines Total finished as including only the personal consumption and private capital investment portions of final demand.

<sup>4</sup> Trade indexes measure changes in margins received by wholesalers and retailers.

<sup>5</sup> The PPI definition of foods does not include food and beverages for immediate consumption. PPI defines food and beverages for immediate consumption as the service of preparing meals, snacks, and beverages to customer order for immediate on-premises and off-premises consumption.

<sup>6</sup> Distributive services include transportation, warehousing, and trade of goods.

<sup>7</sup> Includes intermediate trade, transportation, and warehousing services.

<sup>8</sup> Includes crude petroleum.

<sup>9</sup> Excludes crude petroleum.

<sup>p</sup> Preliminary

"/" Data not available.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted**  
[August 2024]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		Aug. 2023 to Aug. 2024 <sup>P</sup>	Mar. to Apr.	Apr. to May <sup>P</sup>	May to June <sup>P</sup>	June to July <sup>P</sup>
<b>Final Demand</b>								
Final demand.....	FD	4	1.7	0.5	0.0	0.2	0.0	0.2
Final demand goods.....	FD	41	0.0	0.4	-0.8	-0.3	0.6	0.0
Final demand foods.....	FD	411	2.3	-0.8	-0.1	0.1	0.7	0.1
Fresh fruits and melons <sup>2</sup> .....	01	11	-3.2	7.0	-2.1	-6.3	10.3	-2.9
Fresh and dry vegetables <sup>2</sup> .....	01	13	-4.9	-18.7	3.1	-4.4	-5.4	2.5
Grains.....	01	2	-26.2	-4.0	8.1	-2.1	-6.3	-1.1
Eggs for fresh use <sup>2</sup> .....	01	7107	155.0	11.2	-34.8	55.9	-8.9	55.1
Oilseeds.....	01	8301	-24.2	-0.9	4.7	-3.2	-2.0	-6.6
Bakery products <sup>2</sup> .....	02	11	2.2	-0.4	0.0	0.1	0.1	0.1
Milled rice <sup>2</sup> .....	02	13	-5.7	0.2	0.2	0.4	-0.2	-0.2
Pasta products <sup>2</sup> .....	02	1402	-1.2	0.0	0.0	0.0	0.0	0.0
Beef and veal.....	02	2101	1.5	-5.9	-1.6	2.0	7.7	-7.7
Pork.....	02	2104	12.2	-0.5	2.1	-3.1	1.8	-2.1
Processed young chickens.....	02	2203	10.8	2.0	-3.1	2.0	-0.9	1.6
Processed turkeys <sup>2</sup> .....	02	2206	-8.8	-0.8	1.2	-2.2	-0.3	-0.3
Finfish and shellfish.....	02	23	-2.6	1.4	-0.6	-5.1	0.0	0.7
Dairy products <sup>2</sup> .....	02	3	7.6	-0.1	2.0	1.6	1.3	0.4
Processed fruits and vegetables <sup>2</sup> .....	02	4	3.5	0.3	0.4	0.2	1.0	-0.5
Confectionery end products <sup>2</sup> .....	02	55	4.0	0.5	0.1	-0.1	0.5	1.7
Soft drinks <sup>2</sup> .....	02	62	3.9	-0.2	0.3	-0.3	-0.2	1.3
Roasted coffee <sup>2</sup> .....	02	6301	6.3	-0.7	0.6	0.8	3.2	2.5
Shortening and cooking oils <sup>2</sup> .....	02	78	-9.5	0.1	-2.4	-0.3	0.4	-0.6
Frozen specialty food <sup>2</sup> .....	02	85	0.2	-0.2	0.3	-0.2	-0.4	0.0
Final demand energy.....	FD	412	-8.4	1.8	-4.5	-2.0	1.8	-0.9
Liquefied petroleum gas <sup>2</sup> .....	05	32	-5.6	6.3	-3.2	-0.9	0.6	-6.6
Residential electric power.....	05	41	1.3	0.5	0.1	-0.3	-0.7	-1.1
Residential natural gas.....	05	51	-0.6	-3.1	0.3	1.8	0.8	-1.8
Gasoline.....	05	71	-16.3	4.5	-7.3	-5.2	2.8	0.6
Home heating oil and distillates.....	05	7302	-20.5	1.2	-6.1	-3.7	8.6	-2.9
No. 2 diesel fuel.....	05	7303	-21.7	2.8	-23.7	-3.3	12.4	1.9
Final demand goods less foods and energy.....	FD	413	2.1	0.3	0.2	0.0	0.2	0.2
Alcoholic beverages.....	02	61	0.9	0.1	-0.2	0.4	0.3	-0.1
Pet food <sup>2</sup> .....	02	9402	0.0	0.0	0.0	0.0	-0.2	0.1
Women's, girls', and infants' apparel <sup>2</sup> .....	03	8106	1.6	0.0	0.0	0.3	0.0	0.0
Men's and boys' apparel <sup>2</sup> .....	03	8107	0.3	-0.3	-0.1	0.0	0.0	0.0
Textile housefurnishings <sup>2</sup> .....	03	82	1.5	0.2	0.6	0.0	-0.1	0.0
Footwear <sup>2</sup> .....	04	3	1.8	0.8	0.0	0.0	0.1	-0.1
Industrial chemicals.....	06	1	1.6	1.3	-0.8	0.3	2.5	0.5
Pharmaceutical preparations.....	06	38	1.7	0.2	0.2	0.1	0.0	0.5
Soaps and detergents <sup>2</sup> .....	06	71	2.0	0.2	0.1	0.0	0.0	0.1
Cleaning and polishing products <sup>2</sup> .....	06	72	0.9	0.1	0.0	0.0	0.1	0.2
Cosmetics and other toiletries <sup>2</sup> .....	06	75	1.3	0.0	0.1	0.0	0.0	0.4
Tires <sup>2</sup> .....	07	1201	-0.9	0.0	-0.5	-0.3	0.2	0.0
Consumer, institutional, and commercial products, n.e.c. <sup>2</sup> .....	07	2B	0.4	0.2	-0.5	0.3	0.2	0.2
Sanitary paper products <sup>2</sup> .....	09	1501	-2.5	0.2	0.2	-0.1	0.4	0.0
Iron and steel scrap.....	10	12	-1.9	1.6	2.8	0.1	7.9	2.1
Agricultural machinery and equipment <sup>2</sup> .....	11	1	0.3	0.2	-0.1	0.0	-0.5	-0.3
Construction machinery and equipment <sup>2</sup> .....	11	2	2.3	0.2	0.1	0.1	0.2	0.0
Metal cutting machine tools <sup>2</sup> .....	11	37	0.4	0.0	0.2	0.0	0.0	0.0
Metal forming machine tools.....	11	38	9.9	0.6	-1.5	0.5	0.7	0.2
Tools, dies, jigs, fixtures, and industrial molds <sup>2</sup> .....	11	39	4.7	0.2	0.2	0.0	0.4	0.0
Pumps, compressors, and equipment <sup>2</sup> .....	11	41	3.9	0.2	0.4	-0.1	0.4	0.3
Industrial material handling equipment <sup>2</sup> .....	11	44	3.9	1.7	0.1	0.1	0.0	0.0
Electronic computers and computer equipment <sup>2</sup> .....	11	5	-2.3	0.4	-0.8	-0.1	-1.7	-0.7
Textile machinery and equipment <sup>2</sup> .....	11	62	0.0	0.0	0.0	0.0	0.0	0.0
Paper industries machinery <sup>2</sup> .....	11	64	1.9	0.1	0.0	0.0	0.0	0.0
Printing trades machinery and equipment <sup>2</sup> .....	11	65	1.5	-0.1	0.2	-0.1	0.3	0.0
Transformers and power regulators <sup>2</sup> .....	11	74	2.6	-1.0	0.0	0.6	0.1	0.0
Communication and related equipment.....	11	76	4.2	-0.2	0.2	0.2	0.2	0.1
Electronic components and accessories.....	11	78	-0.8	0.3	-0.1	-0.7	-1.0	-0.4
X-ray and electromedical equipment <sup>2</sup> .....	11	7905	1.0	0.0	0.0	0.0	0.3	0.0
Oil field and gas field machinery <sup>2</sup> .....	11	91	4.3	0.0	0.0	0.4	0.0	0.0
Mining machinery and equipment <sup>2</sup> .....	11	92	6.8	0.6	0.2	0.5	0.7	0.0
Internal combustion engines <sup>2</sup> .....	11	94	3.1	0.4	0.1	0.0	0.4	0.1

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [August 2024]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		Aug. 2023 to Aug. 2024 <sup>P</sup>	Mar. to Apr.	Apr. to May <sup>P</sup>	May to June <sup>P</sup>	June to July <sup>P</sup>
Household furniture <sup>2</sup> .....	12	1	-0.4	0.4	0.5	0.2	0.1	0.0
Commercial furniture <sup>2</sup> .....	12	2	2.5	-0.2	0.3	0.2	0.0	0.0
Floor coverings <sup>2</sup> .....	12	3	0.5	-0.6	-0.4	0.9	-0.1	0.0
Household appliances <sup>2</sup> .....	12	4	1.0	-0.1	0.0	-0.5	0.0	1.6
Home electronic equipment <sup>2</sup> .....	12	5	1.6	0.0	-0.4	0.0	0.0	0.0
Lawn and garden equipment excl. garden tractors <sup>2</sup> .....	12	66	1.8	0.0	0.1	0.0	-0.2	0.0
Passenger cars.....	14	1101	-1.1	0.2	-0.3	0.5	-0.2	0.0
Light motor trucks.....	14	1105	1.3	-0.1	-0.2	-0.2	0.2	0.4
Heavy motor trucks <sup>2</sup> .....	14	1106	1.1	0.0	0.1	0.0	0.0	0.0
Motor vehicles parts <sup>2</sup> .....	14	12	1.0	0.1	0.0	0.1	0.2	0.1
Truck trailers <sup>2</sup> .....	14	14	-0.6	-0.4	0.0	-0.1	0.4	-0.2
Travel trailers and campers <sup>2</sup> .....	14	16	-0.3	0.0	-0.1	0.1	-0.2	0.0
Aircraft.....	14	21	4.0	0.1	0.1	0.1	0.2	0.3
Ships <sup>2</sup> .....	14	31	1.5	0.0	0.2	0.3	0.1	0.0
Railroad equipment <sup>2</sup> .....	14	4	0.1	0.0	0.2	0.0	-1.1	0.5
Toys, games, and children's vehicles <sup>2</sup> .....	15	11	0.6	0.0	0.0	0.0	0.0	0.4
Sporting and athletic goods <sup>2</sup> .....	15	12	6.9	0.0	0.1	-0.1	0.0	0.0
Cigarettes <sup>2</sup> .....	15	21	12.6	0.0	3.3	0.0	0.0	2.3
Mobile homes.....	15	5	0.3	-0.2	-0.1	-0.4	0.2	0.8
Medical, surgical & personal aid devices.....	15	6	2.3	0.2	0.2	0.1	0.0	-0.1
Jewelry, platinum and karat gold <sup>2</sup> .....	15	9402	9.1	2.3	1.0	-1.4	1.0	0.3
Costume jewelry and novelties <sup>2</sup> .....	15	9404	1.5	0.0	-1.1	2.0	0.0	0.0
Final demand services.....	FD	42	2.6	0.6	0.3	0.4	-0.3	0.4
Final demand trade services <sup>3</sup> .....	FD	423	-0.5	0.5	0.7	1.3	-1.7	0.6
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	4.4	1.1	0.3	-3.4	4.7	-0.8
Machinery and vehicle wholesaling <sup>2</sup> .....	57	1103	2.2	6.0	-3.6	5.4	-6.4	4.9
Professional and commercial equipment wholesaling <sup>2</sup> .....	57	1104	4.7	1.0	-4.1	1.2	1.8	4.1
Furnishings wholesaling <sup>2</sup> .....	57	2	3.1	0.1	-0.7	0.9	0.1	0.5
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	5.2	-0.2	2.0	-0.4	2.0	0.4
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.1	-0.8	-0.9	-0.5	1.7	0.2
Apparel wholesaling <sup>2</sup> .....	57	7	-4.2	-5.6	0.5	0.8	0.0	0.0
Food and alcohol wholesaling <sup>2</sup> .....	57	8	6.8	1.6	-0.2	1.1	-1.3	-0.4
Food and alcohol retailing.....	58	1	-1.4	0.9	1.7	1.0	-2.4	-2.6
Health, beauty, and optical goods retailing <sup>2</sup> .....	58	2	2.7	0.2	1.5	0.7	-0.2	-1.3
Apparel, jewelry, footwear, and accessories retailing.....	58	3	-2.9	-1.5	-0.1	0.6	-3.4	-0.9
Computer hardware, software, and supplies retailing <sup>2</sup> .....	58	4	20.0	15.7	3.0	16.4	4.4	9.7
TV, video, and photographic equipment and supplies retailing.....	58	5	-3.6	-2.2	6.0	-8.8	3.0	-7.7
Automobiles retailing (partial).....	58	6101	-36.8	-2.3	5.8	-5.9	-5.0	-3.1
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	-2.5	-2.4	0.6	2.9	0.4	-1.6
RVs, trailers, and campers retailing <sup>2</sup> .....	58	8	14.6	-8.7	26.2	-16.5	17.4	1.6
Sporting goods, including boats, retailing.....	58	9	1.8	4.1	-1.4	2.2	-6.5	1.6
Lawn, garden, and farm equipment and supplies retailing <sup>2</sup> .....	58	A	2.8	0.2	0.7	0.4	-0.2	1.8
Furniture retailing <sup>2</sup> .....	58	B	-4.3	-2.9	-1.6	0.9	-0.4	5.3
Flooring and floor coverings retailing <sup>2</sup> .....	58	C	4.8	0.0	1.7	-1.4	2.6	-0.3
Hardware, building materials, and supplies retailing.....	58	D	3.1	1.6	-2.2	0.9	0.4	2.3
Major household appliances retailing.....	58	E	-9.1	-1.7	3.6	2.1	-0.4	-5.9
Fuels and lubricants retailing.....	58	F	21.3	-10.3	13.0	5.3	-4.7	14.1
Cleaning supplies and paper products retailing <sup>2</sup> .....	58	G	0.4	-0.5	1.1	0.1	1.0	-1.4
Book retailing <sup>2</sup> .....	58	H	0.7	-1.4	-0.3	3.2	2.1	-3.8
Final demand transportation and warehousing services.....	FD	422	1.0	-0.5	-0.9	-0.1	1.0	-0.1
Rail transportation of freight and mail <sup>2</sup> .....	30	11	3.4	0.9	0.2	0.0	0.6	-0.1
Truck transportation of freight <sup>2</sup> .....	30	12	1.8	0.6	0.1	-0.3	1.6	-0.1
Air transportation of freight <sup>2</sup> .....	30	14	1.1	1.6	-0.4	0.6	-0.9	-0.3
Courier, messenger, and U.S. postal services.....	30	16	6.0	0.3	0.4	0.0	0.4	2.1
Rail transportation of passengers.....	30	21	0.0	0.0	0.0	-0.1	0.0	0.1
Airline passenger services.....	30	22	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Final demand services less trade, transportation, and warehousing.....	FD	421	4.2	0.7	0.3	0.1	0.2	0.3
Sales of books.....	33	11	8.0	0.1	0.7	0.1	1.0	0.6
Sales and subscriptions of periodicals and newspapers.....	33	12	4.2	0.1	0.2	1.8	0.1	0.7
Application software publishing <sup>2</sup> .....	34	2	6.8	0.9	1.5	0.1	-1.8	1.7
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-2.2	0.4	-0.4	0.0	0.0	-1.7
Residential wired telecommunication services <sup>2</sup> .....	37	11	4.6	1.9	0.6	-0.2	-0.1	0.1
Wireless telecommunication services.....	37	2	0.9	0.1	0.7	0.1	0.1	-0.7
Cable and satellite subscriber services.....	37	3	0.6	1.4	0.7	0.5	-1.4	-1.1
Internet access services <sup>2</sup> .....	37	4	4.1	0.1	0.1	-0.1	1.3	1.5

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [August 2024]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		Aug. 2023 to Aug. 2024 <sup>P</sup>	Mar. to Apr.	Apr. to May <sup>P</sup>	May to June <sup>P</sup>	June to July <sup>P</sup>
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	4.1	3.0	-0.5	-0.3	0.6	0.5
Consumer loans (partial).....	39	12	7.6	2.7	-0.7	-9.1	-0.9	5.9
Deposit services (partial) <sup>2</sup> .....	39	2	22.3	-0.2	0.4	4.7	0.3	-0.2
Other credit intermediation, incl. trust services (partial) <sup>2</sup> .....	39	3	-6.1	-3.4	0.8	0.0	0.1	-1.2
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> ...	40	1	8.4	-0.1	-0.2	1.5	1.8	0.4
Portfolio management <sup>2</sup> .....	40	2	9.9	4.2	-1.5	1.2	2.0	0.0
Life insurance <sup>2</sup> .....	41	1101	-1.1	-0.1	0.3	0.0	0.0	0.4
Disability insurance, including accidental death <sup>2</sup> .....	41	1102	-0.5	0.0	0.0	0.0	0.0	0.0
Health and medical insurance.....	41	1103	4.7	0.1	0.2	0.2	0.1	0.5
Property and casualty insurance <sup>2</sup> .....	41	1104	6.4	0.8	1.1	0.2	0.2	0.2
Annuities <sup>2</sup> .....	41	2	2.2	2.2	-0.2	0.0	0.0	0.0
Residential property sales and leases, brokerage fees and commissions..	43	21	3.2	1.0	0.5	0.5	0.3	0.1
Passenger car rental.....	44	1	-0.3	-0.6	-0.9	4.5	0.6	-3.7
Legal services.....	45	1	8.1	1.6	0.3	0.1	0.5	0.5
Tax preparation and planning.....	45	2102	6.0	0.5	3.0	-3.5	-0.2	1.6
Architectural and engineering services.....	45	3	2.5	0.7	0.2	0.3	-0.1	0.2
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	4.7	0.9	0.6	2.9	-4.0	0.1
Arrangement of flights (partial).....	47	1	-8.2	-0.3	0.0	-1.5	3.4	-0.7
Arrangement of vehicle rentals and lodging <sup>2</sup> .....	47	2	12.9	2.1	0.0	0.0	3.6	0.0
Arrangement of cruises and tours <sup>2</sup> .....	47	3	-1.9	0.3	0.9	-0.9	0.1	0.3
Physician care.....	51	1101	1.4	0.1	0.2	0.2	-0.2	0.0
Medical laboratory and diagnostic imaging care <sup>2</sup> .....	51	1102	0.1	0.1	0.0	0.0	0.0	-0.3
Home health and hospice care.....	51	1103	1.7	0.0	0.1	0.2	0.4	0.1
Hospital outpatient care <sup>2</sup> .....	51	1104	3.2	-0.2	0.3	0.1	0.1	0.2
Dental care.....	51	1105	4.4	1.9	0.6	0.2	0.0	0.0
Hospital inpatient care.....	51	2101	5.2	0.1	0.6	0.4	0.2	0.0
Nursing home care.....	51	2102	2.7	-0.6	0.2	0.0	1.4	-0.1
Traveler accommodation services.....	53	11	2.4	3.9	3.4	-0.7	-3.4	4.4
Food and beverages for immediate consumption services (partial) <sup>2</sup> .....	54	1	3.1	0.2	-0.6	0.5	0.2	-0.4
Motor vehicle repair and maintenance (partial) <sup>2</sup> .....	55	2	2.5	1.1	0.4	0.2	0.4	0.3
Membership dues and admissions and recreation facility use fees (partial) <sup>2</sup> .....	56	1	1.2	-0.4	-2.3	-3.1	2.1	-2.6
Recreational activity instruction fees (partial) <sup>2</sup> .....	56	2	7.2	0.0	0.0	6.6	0.0	0.0
Gaming receipts (partial) <sup>2</sup> .....	56	3	1.6	-2.9	1.7	-1.1	-1.8	1.4
Mining services <sup>2</sup> .....	60	1	3.9	1.3	0.0	-1.0	0.4	1.5
Final demand construction.....	FD	43	1.3	0.1	0.0	0.4	0.7	0.0
New warehouse building construction <sup>2</sup> .....	80	1101	0.3	0.3	0.0	0.0	0.2	-0.1
New school building construction <sup>2</sup> .....	80	1102	1.7	0.3	-0.2	0.1	1.3	0.0
New office building construction <sup>2</sup> .....	80	1103	2.0	-0.4	0.0	1.1	1.3	-0.3
New industrial building construction <sup>2</sup> .....	80	1104	0.1	-0.1	0.0	0.1	-0.2	0.0
New health care building construction <sup>2</sup> .....	80	1105	0.9	0.1	0.0	0.0	0.3	0.9
<b>Intermediate Demand by Commodity Type</b>								
Processed goods for intermediate demand.....	ID6	1	-1.1	0.5	-1.3	-0.1	0.6	-0.1
Processed foods and feeds.....	ID6	9112	0.7	-0.3	0.2	0.7	1.5	-0.3
Meats.....	02	21	4.2	-2.2	-0.4	0.1	4.4	-4.2
Processed poultry.....	02	22	2.1	1.1	0.7	-2.4	-0.9	0.9
Dairy products <sup>2</sup> .....	02	3	7.6	-0.1	2.0	1.6	1.3	0.4
Processed fruits and vegetables <sup>2</sup> .....	02	4	3.5	0.3	0.4	0.2	1.0	-0.5
Refined sugar and byproducts <sup>2</sup> .....	02	53	14.4	-0.1	0.4	-0.3	0.1	-0.3
Fats and oils <sup>2</sup> .....	02	7	-10.1	0.4	-2.0	0.2	2.3	-2.8
Prepared animal feeds.....	02	9	-7.9	-0.8	0.3	0.7	0.7	-0.8
Processed materials less foods and feeds.....	ID6	9111	-1.3	0.6	-1.4	-0.2	0.5	0.0
Synthetic fibers <sup>2</sup> .....	03	1	4.0	-1.9	3.4	-2.2	-1.1	0.3
Processed yarns and threads <sup>2</sup> .....	03	2	-0.3	1.5	-0.4	-0.1	-0.4	0.0
Finished fabrics <sup>2</sup> .....	03	4	0.5	0.3	-0.3	0.3	0.0	0.1
Liquefied petroleum gas <sup>2</sup> .....	05	32	-5.6	6.3	-3.2	-0.9	0.6	-6.6
Commercial electric power.....	05	42	2.4	1.2	-0.8	0.7	-1.4	-0.1
Industrial electric power.....	05	43	1.0	1.3	-2.5	1.4	-0.7	0.0
Commercial natural gas.....	05	52	-3.2	-3.1	-4.0	2.4	-0.2	-4.3
Industrial natural gas.....	05	53	-9.3	-3.4	-3.6	1.4	3.1	-6.7
Natural gas to electric utilities.....	05	54	-1.0	-2.0	-3.4	4.0	1.9	-3.6
Gasoline.....	05	71	-16.3	4.5	-7.3	-5.2	2.8	0.6
Jet fuel <sup>2</sup> .....	05	7203	-23.0	0.3	-6.2	-3.5	5.8	-10.5
No. 2 diesel fuel.....	05	7303	-21.7	2.8	-23.7	-3.3	12.4	1.9
Residual fuels <sup>2</sup> .....	05	74	7.7	1.1	9.0	-1.7	1.0	-0.4

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [August 2024]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		Aug. 2023 to Aug. 2024 <sup>P</sup>	Mar. to Apr.	Apr. to May <sup>P</sup>	May to June <sup>P</sup>	June to July <sup>P</sup>
Finished lubricants <sup>2</sup> .....	05	76	-1.1	0.0	0.0	-0.1	-0.1	0.1
Lubricating oil base stocks <sup>2</sup> .....	05	78	1.0	3.2	4.4	2.4	1.6	-6.8
Asphalt.....	05	8102	0.1	-4.6	3.9	-3.0	-3.0	-3.3
Basic inorganic chemicals <sup>2</sup> .....	06	13	-4.5	-0.1	0.9	0.2	-1.3	-0.4
Basic organic chemicals.....	06	14	3.0	1.6	-1.1	0.3	3.4	0.7
Prepared paint <sup>2</sup> .....	06	21	-0.3	-0.2	0.1	0.1	0.1	0.2
Paint materials <sup>2</sup> .....	06	22	-7.8	-0.2	-1.7	-1.5	0.0	0.3
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	5.2	0.2	0.0	-0.2	0.1	-0.2
Biological products, including diagnostics.....	06	37	2.7	1.8	-0.1	0.0	-0.1	1.0
Fats and oils, inedible <sup>2</sup> .....	06	4	-5.0	-0.3	-1.6	0.6	1.5	-0.5
Nitrogenates.....	06	5201	1.6	-1.2	-0.9	-1.5	3.1	1.8
Phosphates.....	06	5202	11.2	-1.8	-6.4	4.7	1.7	-0.4
Other agricultural chemicals <sup>2</sup> .....	06	53	-3.8	0.1	0.2	0.5	0.0	0.0
Plastic resins and materials.....	06	6	1.6	1.2	-0.5	-0.6	1.4	-0.1
Industrial gases <sup>2</sup> .....	06	7903	3.7	1.2	0.4	0.7	0.0	0.1
Adhesives and sealants <sup>2</sup> .....	06	7904	2.0	0.3	0.1	-0.2	0.1	1.5
Synthetic rubber <sup>2</sup> .....	07	1102	13.4	6.0	1.6	1.3	-0.5	-0.4
Tires <sup>2</sup> .....	07	1201	-0.9	0.0	-0.5	-0.3	0.2	0.0
Plastic construction products <sup>2</sup> .....	07	21	0.3	0.6	-0.3	-0.2	0.1	0.2
Unsupported plastic film, sheet, other shapes <sup>2</sup> .....	07	22	1.0	0.6	0.5	-0.2	0.2	0.6
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	0.8	0.0	0.0	0.0	-0.4	1.0
Plastic packaging products <sup>2</sup> .....	07	2A	-0.4	0.6	-0.3	0.1	-0.5	-0.4
Softwood lumber.....	08	11	-6.1	5.7	-5.0	3.3	-1.0	2.9
Hardwood lumber <sup>2</sup> .....	08	12	6.0	1.7	0.8	0.3	0.4	0.2
Millwork.....	08	2	1.0	0.3	-0.6	0.2	-0.4	0.4
Plywood <sup>2</sup> .....	08	3	-4.0	1.2	-1.9	-1.4	-2.2	-1.2
Paper <sup>2</sup> .....	09	13	1.9	0.4	0.6	-0.1	0.1	0.4
Paperboard <sup>2</sup> .....	09	14	2.4	0.5	0.3	0.3	0.5	1.6
Paper boxes and containers <sup>2</sup> .....	09	1503	1.4	0.6	0.8	-0.2	0.4	1.2
Building paper and board <sup>2</sup> .....	09	2	-27.0	17.6	-12.9	-4.6	-13.2	-1.5
Commercial printing <sup>2</sup> .....	09	47	1.8	-0.2	0.1	0.0	0.3	0.2
Foundry and forge shop products <sup>2</sup> .....	10	15	0.1	-0.3	-1.0	0.8	-0.9	-0.1
Steel mill products <sup>2</sup> .....	10	17	-14.3	-2.7	0.3	-1.8	-3.2	-2.6
Primary nonferrous metals <sup>2</sup> .....	10	22	10.3	3.8	5.0	0.7	-0.2	-2.2
Secondary nonferrous metals <sup>2</sup> .....	10	24	7.9	2.6	4.2	0.3	0.6	-0.3
Aluminum mill shapes <sup>2</sup> .....	10	2501	2.7	0.6	4.4	2.3	0.6	-2.2
Copper and brass mill shapes <sup>2</sup> .....	10	2502	10.0	4.4	4.5	2.1	-1.5	-1.9
Nonferrous wire and cable <sup>2</sup> .....	10	26	4.1	3.4	6.1	-0.4	-1.8	-3.0
Nonferrous foundry shop products.....	10	28	4.6	-0.3	1.0	0.8	0.3	-0.1
Metal containers <sup>2</sup> .....	10	3	-0.6	-0.1	0.2	0.2	0.7	-0.3
Hardware <sup>2</sup> .....	10	4	-0.6	-0.1	0.1	0.0	0.0	0.1
Plumbing fixtures and brass fittings.....	10	5	1.8	0.1	0.1	0.1	0.5	0.7
Heating equipment <sup>2</sup> .....	10	6	3.0	0.5	0.3	0.1	0.0	0.1
Fabricated structural metal products.....	10	7	0.0	-0.3	0.0	-0.7	0.3	1.0
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	7.3	1.0	-0.7	0.0	0.0	0.2
Lighting fixtures <sup>2</sup> .....	10	83	2.3	-0.1	0.6	0.1	0.0	0.2
Fabricated ferrous wire products.....	10	88	2.6	-0.4	-0.4	3.3	-0.2	-0.5
Other miscellaneous metal products <sup>2</sup> .....	10	89	2.8	0.2	0.7	0.5	0.1	0.3
Fluid power equipment <sup>2</sup> .....	11	43	6.9	1.5	0.4	0.0	0.0	2.9
Mechanical power transmission equipment <sup>2</sup> .....	11	45	4.4	-0.1	0.2	0.4	0.8	0.1
Air conditioning and refrigeration equipment.....	11	48	3.6	0.9	0.7	-0.7	0.3	1.9
Metal valves, except fluid power.....	11	4902	1.0	0.1	0.0	0.1	-0.5	-0.1
Ball and roller bearings <sup>2</sup> .....	11	4905	3.3	0.0	-0.2	0.0	0.1	0.0
Wiring devices <sup>2</sup> .....	11	71	-0.7	-0.2	0.3	0.0	-0.1	-0.2
Motors, generators, motor generator sets <sup>2</sup> .....	11	73	1.6	0.0	0.0	0.0	0.0	0.0
Switchgear, switchboard, and industrial controls equip. <sup>2</sup> .....	11	75	7.3	0.2	0.6	1.9	0.4	0.0
Electronic components and accessories.....	11	78	-0.8	0.3	-0.1	-0.7	-1.0	-0.4
Internal combustion engines <sup>2</sup> .....	11	94	3.1	0.4	0.1	0.0	0.4	0.1
Machine shop products <sup>2</sup> .....	11	95	1.9	-0.1	0.1	0.0	0.2	0.7
Flat glass <sup>2</sup> .....	13	11	2.4	-0.1	0.3	-0.5	0.5	0.3
Cement.....	13	22	5.6	-0.3	0.7	0.2	-0.2	0.2
Concrete products.....	13	3	4.1	-0.7	0.2	0.0	0.4	-0.2
Asphalt felts and coatings <sup>2</sup> .....	13	6	0.6	-1.8	2.3	-0.4	0.3	-1.0
Paving mixtures and blocks.....	13	94	3.6	0.0	-1.1	-0.2	0.5	-0.3
Motor vehicle parts <sup>2</sup> .....	14	12	1.0	0.1	0.0	0.1	0.2	0.1
Aircraft engines and engine parts.....	14	23	3.9	0.1	0.3	0.2	0.3	0.1

See footnotes at end of table.



**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [August 2024]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		Aug. 2023 to Aug. 2024 <sup>P</sup>	Mar. to Apr.	Apr. to May <sup>P</sup>	May to June <sup>P</sup>	June to July <sup>P</sup>
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	3.0	1.1	0.1	0.3	0.4	0.3
Medical, surgical, and personal aid devices.....	15	6	2.3	0.2	0.2	0.1	0.0	-0.1
Unprocessed goods for intermediate demand.....	ID6	2	-4.3	2.1	0.0	0.5	2.1	-3.7
Unprocessed foodstuffs and feedstuffs.....	ID6	21	-2.0	-0.6	2.8	-1.3	2.0	-1.7
Wheat <sup>2</sup> .....	01	21	-27.1	-2.1	18.3	-9.8	-11.0	-5.0
Corn.....	01	2202	-26.3	-4.8	6.8	-0.2	-5.5	0.0
Slaughter cattle.....	01	31	6.9	-2.5	5.6	-1.3	3.9	-3.0
Slaughter hogs.....	01	32	-13.3	22.4	-10.8	-14.9	1.6	-6.6
Slaughter chickens.....	01	4102	14.0	-5.3	-2.6	2.7	8.9	5.5
Slaughter turkeys.....	01	42	-28.9	-12.9	8.1	-9.1	8.2	-16.9
Raw milk.....	01	6	16.9	-2.3	9.9	5.0	2.3	-0.8
Hay and hayseeds <sup>2</sup> .....	01	81	-27.9	5.2	28.1	-17.3	4.2	-27.7
Oilseeds.....	01	8301	-24.2	-0.9	4.7	-3.2	-2.0	-6.6
Raw cane sugar and byproducts <sup>2</sup> .....	02	5201	0.4	0.0	0.1	-0.9	-0.1	-1.6
Unprocessed nonfood materials.....	ID6	22	-5.8	3.8	-1.6	1.6	2.2	-5.0
Raw cotton <sup>2</sup> .....	01	51	-23.5	-11.5	-15.6	-1.3	-6.4	0.2
Hides and skins.....	04	1	-17.8	1.9	1.6	1.2	-5.3	-3.9
Coal <sup>2</sup> .....	05	1	6.2	-0.7	1.1	-2.1	3.4	1.3
Natural gas <sup>2</sup> .....	05	31	-39.0	-4.9	17.4	27.5	-0.1	-29.8
Crude petroleum <sup>2</sup> .....	05	61	-4.0	8.5	-7.3	-0.3	3.7	-4.2
Logs, bolts, timber, pulpwood, and woodchips <sup>2</sup> .....	08	5	-2.8	-1.7	-0.1	0.1	0.4	0.6
Recyclable paper <sup>2</sup> .....	09	12	73.9	-0.6	2.0	0.7	0.1	-3.4
Iron ores <sup>2</sup> .....	10	11	0.8	0.7	0.3	-0.7	2.1	0.0
Iron and steel scrap.....	10	12	-1.9	1.6	2.8	0.1	7.9	2.1
Nonferrous metal ores <sup>2</sup> .....	10	21	9.6	3.1	2.2	-2.9	2.2	-1.9
Copper base scrap <sup>2</sup> .....	10	2301	6.1	6.1	7.6	-4.7	2.2	-8.3
Aluminum base scrap.....	10	2302	18.8	2.0	17.8	7.7	-1.7	-8.6
Construction sand, gravel, and crushed stone.....	13	21	7.8	0.5	0.0	0.1	1.0	1.0
Services for intermediate demand.....	ID6	3	3.4	0.2	0.3	0.2	0.3	-0.1
Trade services for intermediate demand <sup>3</sup> .....	ID6	33	2.1	-0.4	0.6	-0.1	0.7	-0.3
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	4.4	1.1	0.3	-3.4	4.7	-0.8
Building materials, paint, and hardware wholesaling.....	57	3	-0.6	0.3	-1.0	0.9	1.9	0.0
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-3.0	-6.2	-2.0	-2.8	0.4	-0.6
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	5.2	-0.2	2.0	-0.4	2.0	0.4
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.1	-0.8	-0.9	-0.5	1.7	0.2
Food wholesaling <sup>2</sup> .....	57	8101	7.0	1.8	-0.1	1.3	-1.6	-0.5
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	-2.5	-2.4	0.6	2.9	0.4	-1.6
Hardware, building material, and supplies retailing.....	58	D	3.1	1.6	-2.2	0.9	0.4	2.3
Transportation and warehousing services for intermediate demand.....	ID6	32	4.2	0.4	0.5	-0.3	0.4	0.0
Rail transportation of freight and mail <sup>2</sup> .....	30	11	3.4	0.9	0.2	0.0	0.6	-0.1
Truck transportation of freight <sup>2</sup> .....	30	12	1.8	0.6	0.1	-0.3	1.6	-0.1
Water transportation of freight <sup>2</sup> .....	30	13	-2.9	0.6	-0.6	-0.6	0.5	0.1
Air transportation of freight <sup>2</sup> .....	30	14	1.1	1.6	-0.4	0.6	-0.9	-0.3
U.S. Postal Service <sup>2</sup> .....	30	1601	9.4	0.0	0.0	0.0	0.0	6.1
Courier and messenger services, except air mail.....	30	1602	4.3	0.4	0.6	0.5	0.3	0.5
Air mail and package delivery services, excluding by USPS.....	30	1603	4.0	0.5	0.6	-0.7	1.2	-0.9
Pipeline transportation <sup>2</sup> .....	30	17	0.0	0.4	0.1	0.0	0.7	-0.1
Transportation of passengers (partial).....	30	2	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Services related to water transportation <sup>2</sup> .....	31	1	6.0	0.3	0.3	-0.1	0.3	0.8
Arrangement of freight and cargo <sup>2</sup> .....	31	31	35.3	3.7	9.5	-0.8	-0.6	0.2
Warehousing, storage, and related services <sup>2</sup> .....	32	1	2.4	1.7	-0.7	-2.7	0.6	-1.3
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	3.6	0.4	0.2	0.4	0.1	-0.1
Network compensation from broadcast TV, cable TV, radio <sup>2</sup> .....	35	-	0.7	0.0	0.0	0.5	0.0	0.0
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	-2.6	0.4	-0.5	0.0	0.0	-2.0
Advertising space sales in directories and mail lists <sup>2</sup> .....	36	12	0.1	0.0	0.0	0.0	0.0	0.0
Television advertising time sales.....	36	2	-1.6	1.7	-0.2	-1.4	0.1	-4.5
Radio advertising time sales.....	36	3	-10.1	0.6	4.4	-2.6	-8.4	1.6
Internet advertising sales <sup>2</sup> .....	36	6	14.7	7.9	0.0	0.0	0.8	0.0
Business wired telecommunication services <sup>2</sup> .....	37	12	4.9	1.5	1.1	-0.1	0.7	0.2
Wireless telecommunication services.....	37	2	0.9	0.1	0.7	0.1	0.1	-0.7
Cable and satellite subscriber services.....	37	3	0.6	1.4	0.7	0.5	-1.4	-1.1
Bundled wired telecommunication access services <sup>2</sup> .....	37	5	4.1	3.0	-0.5	-0.3	0.6	0.5
Data processing and related services <sup>2</sup> .....	38	1	1.4	0.4	0.4	-0.5	0.2	-0.1
Business loans (partial).....	39	11	-1.5	0.0	-0.6	0.3	-2.1	0.0

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [August 2024]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		Aug. 2023 to Aug. 2024 <sup>P</sup>	Mar. to Apr.	Apr. to May <sup>P</sup>	May to June <sup>P</sup>	June to July <sup>P</sup>
Deposit services (partial) <sup>2</sup> .....	39	2	22.3	-0.2	0.4	4.7	0.3	-0.2
Other credit intermediation, incl. trust services (partial) <sup>2</sup> .....	39	3	-6.1	-3.4	0.8	0.0	0.1	-1.2
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	8.4	-0.1	-0.2	1.5	1.8	0.4
Portfolio management <sup>2</sup> .....	40	2	9.9	4.2	-1.5	1.2	2.0	0.0
Investment banking <sup>2</sup> .....	40	3	14.4	-0.4	1.5	1.2	0.2	1.7
Life insurance <sup>2</sup> .....	41	1101	-1.1	-0.1	0.3	0.0	0.0	0.4
Health and medical insurance.....	41	1103	4.7	0.1	0.2	0.2	0.1	0.5
Property and casualty insurance <sup>2</sup> .....	41	1104	6.4	0.8	1.1	0.2	0.2	0.2
Annuities <sup>2</sup> .....	41	2	2.2	2.2	-0.2	0.0	0.0	0.0
Commissions from sales of insurance <sup>2</sup> .....	42	1	2.6	0.0	0.0	0.0	0.7	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	1.9	0.3	-0.8	1.6	1.6	-0.2
Nonresidential property sales and leases <sup>2</sup> .....	43	12	-1.7	0.3	-0.2	-0.4	1.7	0.7
Residential property management fees <sup>2</sup> .....	43	22	3.9	0.4	0.0	0.8	0.1	-0.2
Passenger car rental.....	44	1	-0.3	-0.6	-0.9	4.5	0.6	-3.7
Truck, utility trailer, and RV rental and leasing <sup>2</sup> .....	44	2	1.7	1.3	-0.1	-0.1	0.2	0.5
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	0.9	-0.2	-0.7	0.6	-0.3	0.2
Legal services.....	45	1	8.1	1.6	0.3	0.1	0.5	0.5
Accounting services (partial).....	45	2	2.5	-0.9	0.9	-1.7	0.2	0.8
Architectural and engineering services.....	45	3	2.5	0.7	0.2	0.3	-0.1	0.2
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	4.7	0.9	0.6	2.9	-4.0	0.1
Advertising and related services (partial) <sup>2</sup> .....	45	5	0.7	0.0	0.6	-0.3	0.0	0.1
Permanent placement services <sup>2</sup> .....	46	1	-2.9	-5.2	1.2	0.2	0.5	-0.5
Executive search services <sup>2</sup> .....	46	2	2.0	1.4	-1.6	2.7	-2.2	0.3
Staffing services.....	46	3	-0.2	-0.6	0.1	-0.4	0.7	-0.7
Security guard services <sup>2</sup> .....	48	1	6.8	0.2	-0.1	0.4	0.1	-0.1
Janitorial services <sup>2</sup> .....	49	1	2.9	1.1	1.6	0.1	0.2	0.0
Waste collection.....	50	1	4.2	1.0	2.5	0.4	-0.1	-0.7
Traveler accommodation services.....	53	11	2.4	3.9	3.4	-0.7	-3.4	4.4
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.1	1.3	1.2	1.0	-0.1	1.2
Aircraft repair and maintenance.....	55	4	9.4	0.7	0.7	0.2	0.1	0.0
Metal treatment services <sup>2</sup> .....	59	1	2.3	0.3	-0.2	0.1	-0.1	0.0
Construction for intermediate demand.....	ID6	4	4.3	2.9	0.0	0.1	0.0	0.1
Maintenance and repair of non-residential buildings (partial) <sup>2</sup> .....	80	2	4.3	2.9	0.0	0.1	0.0	0.1
<b>Intermediate Demand by Production Flow</b>								
Stage 4 intermediate demand.....	ID5	4	1.9	0.4	-0.1	0.0	0.5	-0.1
Stage 4 intermediate demand goods.....	ID5	9411	-0.1	0.4	-0.2	-0.1	0.2	0.0
Grains.....	01	2	-26.2	-4.0	8.1	-2.1	-6.3	-1.1
Meats.....	02	21	4.2	-2.2	-0.4	0.1	4.4	-4.2
Unprocessed and packaged fish.....	02	23	-2.6	1.4	-0.6	-5.1	0.0	0.7
Dairy products <sup>2</sup> .....	02	3	7.6	-0.1	2.0	1.6	1.3	0.4
Commercial electric power.....	05	42	2.4	1.2	-0.8	0.7	-1.4	-0.1
Industrial electric power.....	05	43	1.0	1.3	-2.5	1.4	-0.7	0.0
Gasoline.....	05	71	-16.3	4.5	-7.3	-5.2	2.8	0.6
No. 2 diesel fuel.....	05	7303	-21.7	2.8	-23.7	-3.3	12.4	1.9
Basic organic chemicals.....	06	14	3.0	1.6	-1.1	0.3	3.4	0.7
Prepared paint <sup>2</sup> .....	06	21	-0.3	-0.2	0.1	0.1	0.1	0.2
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	5.2	0.2	0.0	-0.2	0.1	-0.2
Biological products, including diagnostics.....	06	37	2.7	1.8	-0.1	0.0	-0.1	1.0
Pharmaceutical preparations.....	06	38	1.7	0.2	0.2	0.1	0.0	0.5
Plastic construction products <sup>2</sup> .....	07	21	0.3	0.6	-0.3	-0.2	0.1	0.2
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	1.0	0.6	0.5	-0.2	0.2	0.6
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	0.8	0.0	0.0	0.0	-0.4	1.0
Plastic packaging products <sup>2</sup> .....	07	2A	-0.4	0.6	-0.3	0.1	-0.5	-0.4
Lumber.....	08	1	-1.3	4.0	-2.6	2.0	-0.4	1.8
Millwork.....	08	2	1.0	0.3	-0.6	0.2	-0.4	0.4
Paper boxes and containers <sup>2</sup> .....	09	1503	1.4	0.6	0.8	-0.2	0.4	1.2
Commercial printing <sup>2</sup> .....	09	47	1.8	-0.2	0.1	0.0	0.3	0.2
Steel mill products <sup>2</sup> .....	10	17	-14.3	-2.7	0.3	-1.8	-3.2	-2.6
Nonferrous wire and cable <sup>2</sup> .....	10	26	4.1	3.4	6.1	-0.4	-1.8	-3.0
Fabricated structural metal products.....	10	7	0.0	-0.3	0.0	-0.7	0.3	1.0
Other miscellaneous metal products <sup>2</sup> .....	10	89	2.8	0.2	0.7	0.5	0.1	0.3
Air conditioning and refrigeration equipment.....	11	48	3.6	0.9	0.7	-0.7	0.3	1.9
Wiring devices <sup>2</sup> .....	11	71	-0.7	-0.2	0.3	0.0	-0.1	-0.2

See footnotes at end of table.



**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [August 2024]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		Aug. 2023 to Aug. 2024 <sup>P</sup>	Mar. to Apr.	Apr. to May <sup>P</sup>	May to June <sup>P</sup>	June to July <sup>P</sup>
Electronic components and accessories.....	11	78	-0.8	0.3	-0.1	-0.7	-1.0	-0.4
Miscellaneous electrical machinery and equipment <sup>2</sup> .....	11	79	0.9	0.0	0.0	0.1	0.2	0.1
Internal combustion engines <sup>2</sup> .....	11	94	3.1	0.4	0.1	0.0	0.4	0.1
Machine shop products <sup>2</sup> .....	11	95	1.9	-0.1	0.1	0.0	0.2	0.7
Concrete ingredients and related products.....	13	2	7.2	0.3	0.2	0.1	0.6	0.8
Concrete products.....	13	3	4.1	-0.7	0.2	0.0	0.4	-0.2
Prepared asphalt, tar roofing and siding products <sup>2</sup> .....	13	61	1.1	-2.1	2.7	-0.7	0.4	-1.2
Paving mixtures and blocks.....	13	94	3.6	0.0	-1.1	-0.2	0.5	-0.3
Motor vehicle parts <sup>2</sup> .....	14	12	1.0	0.1	0.0	0.1	0.2	0.1
Aircraft engines and engine parts.....	14	23	3.9	0.1	0.3	0.2	0.3	0.1
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	3.0	1.1	0.1	0.3	0.4	0.3
Medical, surgical and personal aid devices.....	15	6	2.3	0.2	0.2	0.1	0.0	-0.1
Stage 4 intermediate demand services.....	ID5	9412	3.7	0.3	0.0	0.1	0.7	-0.1
Truck transportation of freight <sup>2</sup> .....	30	12	1.8	0.6	0.1	-0.3	1.6	-0.1
Courier, messenger, and U.S. postal services.....	30	16	6.0	0.3	0.4	0.0	0.4	2.1
Airline passenger services.....	30	22	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Warehousing, storage, and related services <sup>2</sup> .....	32	1	2.4	1.7	-0.7	-2.7	0.6	-1.3
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	-2.6	0.4	-0.5	0.0	0.0	-2.0
Data processing and related services <sup>2</sup> .....	38	1	1.4	0.4	0.4	-0.5	0.2	-0.1
Business loans (partial).....	39	11	-1.5	0.0	-0.6	0.3	-2.1	0.0
Deposit services (partial) <sup>2</sup> .....	39	2	22.3	-0.2	0.4	4.7	0.3	-0.2
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	8.4	-0.1	-0.2	1.5	1.8	0.4
Portfolio management <sup>2</sup> .....	40	2	9.9	4.2	-1.5	1.2	2.0	0.0
Investment banking <sup>2</sup> .....	40	3	14.4	-0.4	1.5	1.2	0.2	1.7
Insurance.....	41	11	4.2	0.4	0.6	0.0	0.0	0.4
Annuities <sup>2</sup> .....	41	2	2.2	2.2	-0.2	0.0	0.0	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	1.9	0.3	-0.8	1.6	1.6	-0.2
Nonresidential property sales and leases <sup>2</sup> .....	43	12	-1.7	0.3	-0.2	-0.4	1.7	0.7
Nonresidential property management fees <sup>2</sup> .....	43	13	2.6	0.9	-0.1	2.5	-2.7	0.6
Residential property management fees <sup>2</sup> .....	43	22	3.9	0.4	0.0	0.8	0.1	-0.2
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	0.9	-0.2	-0.7	0.6	-0.3	0.2
Legal services.....	45	1	8.1	1.6	0.3	0.1	0.5	0.5
Advertising agency services <sup>2</sup> .....	45	51	0.7	0.0	0.6	-0.3	0.0	0.1
Accounting services (partial).....	45	2	2.5	-0.9	0.9	-1.7	0.2	0.8
Architectural and engineering services.....	45	3	2.5	0.7	0.2	0.3	-0.1	0.2
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	4.7	0.9	0.6	2.9	-4.0	0.1
Staffing services.....	46	3	-0.2	-0.6	0.1	-0.4	0.7	-0.7
Janitorial services <sup>2</sup> .....	49	1	2.9	1.1	1.6	0.1	0.2	0.0
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.1	1.3	1.2	1.0	-0.1	1.2
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	4.4	1.1	0.3	-3.4	4.7	-0.8
Building materials, paint, and hardware wholesaling.....	57	3	-0.6	0.3	-1.0	0.9	1.9	0.0
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-3.0	-6.2	-2.0	-2.8	0.4	-0.6
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	5.2	-0.2	2.0	-0.4	2.0	0.4
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.1	-0.8	-0.9	-0.5	1.7	0.2
Food and alcohol wholesaling <sup>2</sup> .....	57	8	6.8	1.6	-0.2	1.1	-1.3	-0.4
Hardware and building materials and supplies retailing.....	58	D	3.1	1.6	-2.2	0.9	0.4	2.3
Metal treatment services <sup>2</sup> .....	59	1	2.3	0.3	-0.2	0.1	-0.1	0.0
Stage 3 intermediate demand.....	ID5	3	0.7	0.2	-0.2	-0.2	0.7	-0.4
Stage 3 intermediate demand goods.....	ID5	9311	-2.0	0.2	-1.1	-0.3	1.2	-0.6
Slaughter cattle.....	01	31	6.9	-2.5	5.6	-1.3	3.9	-3.0
Slaughter hogs.....	01	32	-13.3	22.4	-10.8	-14.9	1.6	-6.6
Slaughter poultry.....	01	4	7.4	-6.1	-1.3	1.2	8.6	3.0
Raw milk.....	01	6	16.9	-2.3	9.9	5.0	2.3	-0.8
Commercial electric power.....	05	42	2.4	1.2	-0.8	0.7	-1.4	-0.1
Industrial electric power.....	05	43	1.0	1.3	-2.5	1.4	-0.7	0.0
Gasoline.....	05	71	-16.3	4.5	-7.3	-5.2	2.8	0.6
Jet fuel <sup>2</sup> .....	05	7203	-23.0	0.3	-6.2	-3.5	5.8	-10.5
No. 2 diesel fuel.....	05	7303	-21.7	2.8	-23.7	-3.3	12.4	1.9
Finished lubricants <sup>2</sup> .....	05	76	-1.1	0.0	0.0	-0.1	-0.1	0.1
Lubricating oil base stocks <sup>2</sup> .....	05	78	1.0	3.2	4.4	2.4	1.6	-6.8
Asphalt.....	05	8102	0.1	-4.6	3.9	-3.0	-3.0	-3.3
Basic inorganic chemicals <sup>2</sup> .....	06	13	-4.5	-0.1	0.9	0.2	-1.3	-0.4
Basic organic chemicals.....	06	14	3.0	1.6	-1.1	0.3	3.4	0.7
Paints and allied products <sup>2</sup> .....	06	2	-1.9	-0.2	-0.2	-0.2	0.1	0.2

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [August 2024]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		Aug. 2023 to Aug. 2024 <sup>P</sup>	Mar. to Apr.	Apr. to May <sup>P</sup>	May to June <sup>P</sup>	June to July <sup>P</sup>
Agricultural chemicals and chemical products.....	06	5	1.2	-0.2	-1.3	0.7	1.2	0.5
Plastic resins and materials.....	06	6	1.6	1.2	-0.5	-0.6	1.4	-0.1
Synthetic rubber <sup>2</sup> .....	07	1102	13.4	6.0	1.6	1.3	-0.5	-0.4
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	1.0	0.6	0.5	-0.2	0.2	0.6
Paper <sup>2</sup> .....	09	13	1.9	0.4	0.6	-0.1	0.1	0.4
Paperboard <sup>2</sup> .....	09	14	2.4	0.5	0.3	0.3	0.5	1.6
Converted paper and paperboard products <sup>2</sup> .....	09	15	0.5	0.5	0.5	-0.1	0.3	0.7
Commercial printing <sup>2</sup> .....	09	47	1.8	-0.2	0.1	0.0	0.3	0.2
Foundry and forge shop products <sup>2</sup> .....	10	15	0.1	-0.3	-1.0	0.8	-0.9	-0.1
Steel mill products <sup>2</sup> .....	10	17	-14.3	-2.7	0.3	-1.8	-3.2	-2.6
Nonferrous mill shapes <sup>2</sup> .....	10	25	5.1	1.8	3.8	1.9	0.0	-1.6
Nonferrous foundry shop products.....	10	28	4.6	-0.3	1.0	0.8	0.3	-0.1
Metal containers <sup>2</sup> .....	10	3	-0.6	-0.1	0.2	0.2	0.7	-0.3
Structural, architectural, and pre-engineered metal products.....	10	74	-4.9	-0.4	0.3	-1.3	0.2	0.4
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	7.3	1.0	-0.7	0.0	0.0	0.2
Other miscellaneous metal products <sup>2</sup> .....	10	89	2.8	0.2	0.7	0.5	0.1	0.3
General purpose machinery and equipment.....	11	4	3.8	0.4	0.3	0.1	-0.1	1.0
Electrical machinery and equipment.....	11	7	1.9	0.0	0.1	0.1	-0.1	-0.1
Construction sand, gravel, and crushed stone.....	13	21	7.8	0.5	0.0	0.1	1.0	1.0
Cement.....	13	22	5.6	-0.3	0.7	0.2	-0.2	0.2
Motor vehicle parts <sup>2</sup> .....	14	12	1.0	0.1	0.0	0.1	0.2	0.1
Aircraft and aircraft equipment.....	14	2	3.8	0.3	0.1	0.1	0.3	0.2
Stage 3 intermediate demand services.....	ID5	9312	2.9	0.1	0.5	0.0	0.2	-0.3
Rail transportation of freight and mail <sup>2</sup> .....	30	11	3.4	0.9	0.2	0.0	0.6	-0.1
Courier, messenger, and U.S. postal services.....	30	16	6.0	0.3	0.4	0.0	0.4	2.1
Arrangement of freight and cargo <sup>2</sup> .....	31	31	35.3	3.7	9.5	-0.8	-0.6	0.2
Freight forwarding <sup>2</sup> .....	31	3201	-10.9	0.0	0.7	0.0	0.0	-9.0
Warehousing, storage, and related services <sup>2</sup> .....	32	1	2.4	1.7	-0.7	-2.7	0.6	-1.3
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-2.2	0.4	-0.4	0.0	0.0	-1.7
Wired telephone services <sup>2</sup> .....	37	1	4.7	1.5	0.9	-0.1	0.3	0.1
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	4.1	3.0	-0.5	-0.3	0.6	0.5
Data processing and related services <sup>2</sup> .....	38	1	1.4	0.4	0.4	-0.5	0.2	-0.1
Business loans (partial).....	39	11	-1.5	0.0	-0.6	0.3	-2.1	0.0
Deposit services (partial) <sup>2</sup> .....	39	2	22.3	-0.2	0.4	4.7	0.3	-0.2
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	8.4	-0.1	-0.2	1.5	1.8	0.4
Insurance.....	41	11	4.2	0.4	0.6	0.0	0.0	0.4
Nonresidential real estate rents <sup>2</sup> .....	43	11	1.9	0.3	-0.8	1.6	1.6	-0.2
Legal services.....	45	1	8.1	1.6	0.3	0.1	0.5	0.5
Accounting services (partial).....	45	2	2.5	-0.9	0.9	-1.7	0.2	0.8
Architectural and engineering services.....	45	3	2.5	0.7	0.2	0.3	-0.1	0.2
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	4.7	0.9	0.6	2.9	-4.0	0.1
Advertising agency services <sup>2</sup> .....	45	51	0.7	0.0	0.6	-0.3	0.0	0.1
Staffing services.....	46	3	-0.2	-0.6	0.1	-0.4	0.7	-0.7
Aircraft repair maintenance.....	55	4	9.4	0.7	0.7	0.2	0.1	0.0
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	4.4	1.1	0.3	-3.4	4.7	-0.8
Building materials, paint, and hardware wholesaling.....	57	3	-0.6	0.3	-1.0	0.9	1.9	0.0
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-3.0	-6.2	-2.0	-2.8	0.4	-0.6
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	5.2	-0.2	2.0	-0.4	2.0	0.4
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.1	-0.8	-0.9	-0.5	1.7	0.2
Food wholesaling <sup>2</sup> .....	57	8101	7.0	1.8	-0.1	1.3	-1.6	-0.5
Metal treatment services <sup>2</sup> .....	59	1	2.3	0.3	-0.2	0.1	-0.1	0.0
Stage 2 intermediate demand.....	ID5	2	0.2	1.3	-0.2	0.7	0.6	-1.3
Stage 2 intermediate demand goods.....	ID5	9211	-4.4	2.8	-1.3	1.2	1.6	-3.2
Corn.....	01	2202	-26.3	-4.8	6.8	-0.2	-5.5	0.0
Oilseeds.....	01	83	-24.2	-0.9	4.7	-3.2	-2.0	-6.6
Prepared animal feeds.....	02	9	-7.9	-0.8	0.3	0.7	0.7	-0.8
Coal <sup>2</sup> .....	05	1	6.2	-0.7	1.1	-2.1	3.4	1.3
Natural gas <sup>2</sup> .....	05	31	-39.0	-4.9	17.4	27.5	-0.1	-29.8
Liquefied petroleum gas <sup>2</sup> .....	05	32	-5.6	6.3	-3.2	-0.9	0.6	-6.6
Crude petroleum <sup>2</sup> .....	05	61	-4.0	8.5	-7.3	-0.3	3.7	-4.2
No. 2 diesel fuel.....	05	7303	-21.7	2.8	-23.7	-3.3	12.4	1.9
Industrial chemicals.....	06	1	1.6	1.3	-0.8	0.3	2.5	0.5
Plastic resins and materials.....	06	6	1.6	1.2	-0.5	-0.6	1.4	-0.1
Plastic products <sup>2</sup> .....	07	2	0.6	0.5	-0.3	-0.1	0.0	0.3
Logs, bolts, timber, pulpwood, and wood chips <sup>2</sup> .....	08	5	-2.8	-1.7	-0.1	0.1	0.4	0.6

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [August 2024]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		Aug. 2023 to Aug. 2024 <sup>P</sup>	Mar. to Apr.	Apr. to May <sup>P</sup>	May to June <sup>P</sup>	June to July <sup>P</sup>
Paper <sup>2</sup> .....	09	13	1.9	0.4	0.6	-0.1	0.1	0.4
Paperboard, excluding corrugated paperboard <sup>2</sup> .....	09	1411	2.5	0.6	0.3	0.3	0.6	1.9
Commercial printing <sup>2</sup> .....	09	47	1.8	-0.2	0.1	0.0	0.3	0.2
Iron and steel scrap.....	10	12	-1.9	1.6	2.8	0.1	7.9	2.1
Steel mill products <sup>2</sup> .....	10	17	-14.3	-2.7	0.3	-1.8	-3.2	-2.6
Nonferrous mill shapes <sup>2</sup> .....	10	25	5.1	1.8	3.8	1.9	0.0	-1.6
Electrical machinery and equipment.....	11	7	1.9	0.0	0.1	0.1	-0.1	-0.1
Electronic components and accessories.....	11	78	-0.8	0.3	-0.1	-0.7	-1.0	-0.4
Stage 2 intermediate demand services.....	ID5	9212	3.5	0.2	0.6	0.3	-0.2	0.1
Rail transportation of freight and mail <sup>2</sup> .....	30	11	3.4	0.9	0.2	0.0	0.6	-0.1
Truck transportation of freight <sup>2</sup> .....	30	12	1.8	0.6	0.1	-0.3	1.6	-0.1
U.S. Postal Service <sup>2</sup> .....	30	1601	9.4	0.0	0.0	0.0	0.0	6.1
Courier and messenger services, except air.....	30	1602	4.3	0.4	0.6	0.5	0.3	0.5
Air mail and package delivery services, excluding by USPS.....	30	1603	4.0	0.5	0.6	-0.7	1.2	-0.9
Pipeline transportation <sup>2</sup> .....	30	17	0.0	0.4	0.1	0.0	0.7	-0.1
Airline passenger services.....	30	22	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Arrangement of freight and cargo <sup>2</sup> .....	31	31	35.3	3.7	9.5	-0.8	-0.6	0.2
Television advertising time sales.....	36	21	-1.6	1.7	-0.2	-1.4	0.1	-4.5
Wireless telecommunication services.....	37	2	0.9	0.1	0.7	0.1	0.1	-0.7
Data processing and related services <sup>2</sup> .....	38	1	1.4	0.4	0.4	-0.5	0.2	-0.1
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	8.4	-0.1	-0.2	1.5	1.8	0.4
Portfolio management <sup>2</sup> .....	40	2	9.9	4.2	-1.5	1.2	2.0	0.0
Investment banking <sup>2</sup> .....	40	31	14.4	-0.4	1.5	1.2	0.2	1.7
Insurance.....	41	11	4.2	0.4	0.6	0.0	0.0	0.4
Commissions from sales of insurance <sup>2</sup> .....	42	11	2.6	0.0	0.0	0.0	0.7	0.0
Legal services.....	45	1	8.1	1.6	0.3	0.1	0.5	0.5
Accounting services (partial).....	45	2	2.5	-0.9	0.9	-1.7	0.2	0.8
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	4.7	0.9	0.6	2.9	-4.0	0.1
Advertising agency services <sup>2</sup> .....	45	51	0.7	0.0	0.6	-0.3	0.0	0.1
Staffing services.....	46	3	-0.2	-0.6	0.1	-0.4	0.7	-0.7
Security guard services <sup>2</sup> .....	48	1	6.8	0.2	-0.1	0.4	0.1	-0.1
Janitorial services <sup>2</sup> .....	49	1	2.9	1.1	1.6	0.1	0.2	0.0
Traveler accommodation services.....	53	1	2.4	3.9	3.4	-0.7	-3.4	4.4
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.1	1.3	1.2	1.0	-0.1	1.2
Hardware and building materials and supplies retailing.....	58	D	3.1	1.6	-2.2	0.9	0.4	2.3
Stage 1 intermediate demand.....	ID5	1	0.5	0.3	-0.6	0.1	0.6	0.0
Stage 1 intermediate demand goods.....	ID5	9111	-2.1	0.5	-1.3	-0.2	0.7	0.0
Prepared animal feeds.....	02	9	-7.9	-0.8	0.3	0.7	0.7	-0.8
Commercial electric power.....	05	42	2.4	1.2	-0.8	0.7	-1.4	-0.1
Industrial electric power.....	05	43	1.0	1.3	-2.5	1.4	-0.7	0.0
Commercial natural gas.....	05	52	-3.2	-3.1	-4.0	2.4	-0.2	-4.3
Industrial natural gas.....	05	53	-9.3	-3.4	-3.6	1.4	3.1	-6.7
Gasoline.....	05	71	-16.3	4.5	-7.3	-5.2	2.8	0.6
No. 2 diesel fuel.....	05	7303	-21.7	2.8	-23.7	-3.3	12.4	1.9
Industrial chemicals.....	06	1	1.6	1.3	-0.8	0.3	2.5	0.5
Prepared paint <sup>2</sup> .....	06	21	-0.3	-0.2	0.1	0.1	0.1	0.2
Plastic construction products <sup>2</sup> .....	07	21	0.3	0.6	-0.3	-0.2	0.1	0.2
Recyclable paper <sup>2</sup> .....	09	12	73.9	-0.6	2.0	0.7	0.1	-3.4
Paper <sup>2</sup> .....	09	13	1.9	0.4	0.6	-0.1	0.1	0.4
Converted paper and paperboard products <sup>2</sup> .....	09	15	0.5	0.5	0.5	-0.1	0.3	0.7
Iron and steel scrap.....	10	12	-1.9	1.6	2.8	0.1	7.9	2.1
Steel mill products <sup>2</sup> .....	10	17	-14.3	-2.7	0.3	-1.8	-3.2	-2.6
Primary nonferrous metals <sup>2</sup> .....	10	22	10.3	3.8	5.0	0.7	-0.2	-2.2
Nonferrous scrap.....	10	23	6.4	3.6	8.7	1.0	0.2	-6.7
Nonferrous wire and cable <sup>2</sup> .....	10	26	4.1	3.4	6.1	-0.4	-1.8	-3.0
Fabricated structural metal products.....	10	7	0.0	-0.3	0.0	-0.7	0.3	1.0
General purpose machinery and equipment.....	11	4	3.8	0.4	0.3	0.1	-0.1	1.0
Construction sand, gravel, and crushed stone.....	13	21	7.8	0.5	0.0	0.1	1.0	1.0
Stage 1 intermediate demand services.....	ID5	9112	3.1	0.1	0.1	0.3	0.5	0.1
Truck transportation of freight <sup>2</sup> .....	30	12	1.8	0.6	0.1	-0.3	1.6	-0.1
Airline passenger services.....	30	22	-2.7	-3.6	-3.9	0.4	0.1	-0.8
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-2.2	0.4	-0.4	0.0	0.0	-1.7
Business wired telecommunication services <sup>2</sup> .....	37	12	4.9	1.5	1.1	-0.1	0.7	0.2
Wireless telecommunication services.....	37	2	0.9	0.1	0.7	0.1	0.1	-0.7

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [August 2024]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		Aug. 2023 to Aug. 2024 <sup>p</sup>	Mar. to Apr.	Apr. to May <sup>p</sup>	May to June <sup>p</sup>	June to July <sup>p</sup>
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	4.1	3.0	-0.5	-0.3	0.6	0.5
Business loans (partial).....	39	11	-1.5	0.0	-0.6	0.3	-2.1	0.0
Deposit services (partial) <sup>2</sup> .....	39	2	22.3	-0.2	0.4	4.7	0.3	-0.2
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	8.4	-0.1	-0.2	1.5	1.8	0.4
Portfolio management <sup>2</sup> .....	40	2	9.9	4.2	-1.5	1.2	2.0	0.0
Investment banking <sup>2</sup> .....	40	3	14.4	-0.4	1.5	1.2	0.2	1.7
Insurance.....	41	11	4.2	0.4	0.6	0.0	0.0	0.4
Nonresidential real estate rents <sup>2</sup> .....	43	11	1.9	0.3	-0.8	1.6	1.6	-0.2
Architectural and engineering services.....	45	3	2.5	0.7	0.2	0.3	-0.1	0.2
Management consulting services <sup>2</sup> .....	45	41	4.7	0.9	0.6	2.9	-4.0	0.1
Waste collection.....	50	1	4.2	1.0	2.5	0.4	-0.1	-0.7
Traveler accommodation services.....	53	11	2.4	3.9	3.4	-0.7	-3.4	4.4
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	8.1	1.3	1.2	1.0	-0.1	1.2
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	4.4	1.1	0.3	-3.4	4.7	-0.8
Building materials, paint, and hardware wholesaling.....	57	3	-0.6	0.3	-1.0	0.9	1.9	0.0
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-3.0	-6.2	-2.0	-2.8	0.4	-0.6
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	5.2	-0.2	2.0	-0.4	2.0	0.4
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.1	-0.8	-0.9	-0.5	1.7	0.2
Hardware and building materials and supplies retailing.....	58	D	3.1	1.6	-2.2	0.9	0.4	2.3
Mining services <sup>2</sup> .....	60	1	3.9	1.3	0.0	-1.0	0.4	1.5

<sup>1</sup> All indexes are subject to revision for 4 months after their originally scheduled publication to incorporate late reports and corrections by survey respondents. In addition, seasonally adjusted indexes are subject to change for up to 5 years due to the recalculation of seasonal factors published each January.

<sup>2</sup> Seasonal tests did not indicate the presence of seasonality. Data shown is not seasonally adjusted.

<sup>3</sup> Trade indexes measure changes in margins received by wholesalers and retailers.

p Preliminary

"-" Data not available.

NOTE: The term "(partial)" denotes incomplete coverage of the index category.

**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted**  
 [August 2024, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Apr. 2024	May 2024 <sup>P</sup>	June 2024 <sup>P</sup>	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>
<b>Final Demand</b>								
Final demand.....		FD	4	144.255	144.246	144.529	144.506	144.854
Final demand goods.....		FD	41	144.568	143.474	143.004	143.838	143.792
Final demand foods.....		FD	411	151.135	150.930	151.113	152.104	152.300
Finished consumer foods <sup>2</sup> .....	00/82	FD	4111	271.067	269.753	270.744	272.495	274.257
Finished consumer foods, crude.....	00/82	FD	411113	271.190	250.862	262.741	256.038	286.787
Finished consumer foods, processed.....	00/82	FD	411112	269.879	270.383	270.339	272.883	271.892
Government purchased foods.....		FD	4112	156.687	156.783	157.654	160.643	159.291
Foods for export.....		FD	4113	140.153	142.279	140.446	140.615	137.796
Final demand energy.....		FD	412	144.648	138.163	135.409	137.854	136.581
Finished consumer energy goods <sup>2</sup> .....	00/82	FD	4121	227.070	218.298	213.778	216.557	215.294
Government purchased energy.....		FD	4122	154.399	142.283	139.921	144.958	141.896
Energy for export.....		FD	4123	133.484	127.829	125.616	130.513	127.536
Final demand goods less foods and energy.....		FD	413	142.824	143.164	143.222	143.510	143.778
Finished goods less foods and energy <sup>2</sup> .....	00/82	FD	4131	251.830	252.400	252.597	252.864	253.704
Finished consumer goods less foods and energy.....	00/82	FD	41311	278.931	279.807	279.936	280.163	281.399
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	362.977	364.844	365.088	365.424	367.520
Durable consumer goods.....	00/82	FD	413112	192.960	192.969	192.995	193.119	193.573
Private capital equipment.....	00/82	FD	41312	217.025	217.301	217.550	217.839	218.295
Private capital equipment for manufacturing industries.....	00/82	FD	413121	234.513	235.265	235.587	236.043	236.938
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	211.801	211.936	212.163	212.403	212.729
Government purchased goods, excluding foods and energy.....		FD	4132	139.428	139.415	139.453	139.827	139.988
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	147.285	147.139	147.090	147.627	147.848
Government purchased capital equipment.....		FD	41322	127.439	127.584	127.726	127.897	127.985
Goods for export, excluding foods and energy.....		FD	4133	138.227	138.697	138.665	139.151	139.079
Final demand services.....		FD	42	143.015	143.493	144.106	143.654	144.188
Final demand trade services <sup>3</sup> .....		FD	423	151.126	152.198	154.137	151.487	152.359
Trade of finished goods <sup>2</sup> .....		FD	4231	148.757	150.161	152.072	149.277	150.014
Trade of personal consumption goods.....		FD	42311	147.932	150.427	151.679	149.450	149.158
Trade of private capital equipment.....		FD	42312	150.721	147.277	152.147	146.828	152.205
Trade of government purchased goods.....		FD	4232	167.141	165.910	168.948	166.209	168.026
Trade of government purchased goods, excluding capital equipment.....		FD	42321	170.655	172.391	172.890	173.418	171.897
Trade of government purchased capital equipment.....		FD	42322	160.286	154.635	161.561	153.811	160.754
Trade of exports.....		FD	4233	167.375	166.178	167.948	166.719	168.516
Final demand transportation and warehousing services.....		FD	422	150.523	149.153	149.051	150.476	150.271
Transportation of passengers for final demand.....		FD	4221	137.821	132.448	132.980	133.084	131.992
Transportation of private passengers.....		FD	42211	137.818	132.456	132.987	133.091	132.008
Transportation of government passengers.....		FD	42212	137.577	132.263	132.788	132.891	131.811
Transportation of passengers for export.....		FD	42213	137.843	132.423	132.962	133.067	131.963
Transportation and warehousing of goods for final demand.....		FD	4222	154.651	154.851	154.502	156.436	156.578
Transportation and warehousing of finished goods <sup>2</sup> .....		FD	42221	152.359	152.512	152.159	154.166	154.384
Transportation and warehousing of personal consumption goods.....		FD	422211	152.995	153.155	152.809	154.786	155.101
Transportation and warehousing of private capital equipment.....		FD	422212	149.782	149.902	149.523	151.654	151.473
Transportation and warehousing of government purchased goods.....		FD	42222	154.148	154.144	153.544	155.144	155.681
Transportation and warehousing of exports.....		FD	42223	161.203	161.558	161.270	163.117	163.002
Final demand services less trade, transportation, and warehousing.....		FD	421	138.329	138.758	138.910	139.147	139.619
Finished services less trade, transportation, and warehousing <sup>2</sup> .....		FD	4211	138.449	138.878	138.965	139.215	139.713
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	137.971	138.371	138.476	138.694	139.193
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	143.332	143.994	143.935	144.443	144.938
Government purchased services less trade, transportation, and warehousing.....		FD	4212	129.010	129.437	129.727	130.028	130.187
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	129.767	130.160	130.496	130.786	130.947
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	111.992	112.875	112.493	112.935	113.050
Services for export less trade, transportation, and warehousing.....		FD	4213	148.128	148.550	149.502	149.458	149.927
Final demand construction.....		FD	43	175.033	174.983	175.612	176.916	176.998
Construction for private capital investment.....		FD	431	178.874	178.887	179.620	180.729	180.800
Construction for government.....		FD	432	167.961	167.776	168.184	169.913	170.022
<b>Final Demand Special Groupings</b>								
Final demand less exports.....	04/10	FD	49101	141.974	141.962	142.255	142.172	142.573
Final demand less government.....	04/10	FD	49102	142.205	142.304	142.591	142.494	142.877
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>1</sup> .....	04/10	FD	49103	142.271	142.692	143.191	142.927	143.393
Final demand less foods and energy <sup>4</sup> .....	04/10	FD	49104	142.058	142.488	142.976	142.729	143.189
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>4</sup> .....	04/10	FD	49105	141.985	141.952	142.236	142.150	142.501

See footnotes at end of table.

**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**

[August 2024, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Apr. 2024	May 2024 <sup>P</sup>	June 2024 <sup>P</sup>	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>
Final demand less foods <sup>4</sup> .....	04/10	FD	49106	141.731	141.732	142.018	141.938	142.289
Final demand less energy.....	04/10	FD	49107	142.317	142.711	143.181	143.004	143.448
Final demand less trade services.....	01/10	FD	49108	140.951	140.705	140.626	141.174	141.403
Final demand less distributive services <sup>5</sup> .....	01/10	FD	49109	140.531	140.267	140.199	140.688	140.922
Final demand goods less energy.....	01/10	FD	49111	143.116	143.334	143.418	143.856	144.106
Final demand goods less foods.....	04/10	FD	49112	140.068	138.812	138.215	138.998	138.902
Final demand services less trade services.....	04/10	FD	49113	138.259	138.516	138.643	138.988	139.393
Final demand distributive services <sup>5</sup> .....	04/10	FD	49114	148.617	149.533	151.081	149.190	149.932
Final demand goods plus final demand distributive services <sup>5</sup> .....	04/10	FD	49115	144.156	143.910	144.278	143.976	144.256
Final demand less foods, energy, and trade services <sup>4</sup> .....	08/13	FD	49116	131.654	131.907	132.023	132.359	132.695
Private and government purchased capital equipment.....	08/13	FD	49117	131.061	131.226	131.375	131.550	131.800
Private and government purchased capital investment services.....	08/13	FD	49118	135.594	134.653	136.399	134.793	137.003
Total private and government purchased capital investment.....	08/13	FD	49119	136.406	135.991	136.991	136.411	137.613
Total finished <sup>2</sup> .....	01/10	FD	49201	142.925	143.040	143.345	143.169	143.625
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>2, 4</sup> .....	12/10	FD	49202	141.646	142.194	142.692	142.316	142.830
Total finished less foods and energy <sup>2, 4</sup> .....	01/10	FD	49203	142.523	143.064	143.567	143.193	143.702
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>2, 4</sup> .....	12/10	FD	49204	140.986	141.154	141.440	141.198	141.628
Total finished less foods <sup>2, 4</sup> .....	01/10	FD	49205	142.423	142.585	142.877	142.636	143.063
Total finished less energy <sup>2</sup> .....	01/10	FD	49206	143.060	143.530	144.036	143.737	144.273
Finished goods <sup>2</sup> .....	00/82	FD	49207	258.970	256.663	255.769	257.031	257.532
Finished goods less energy <sup>2</sup> .....	00/82	FD	49208	256.133	256.193	256.603	257.271	258.357
Finished goods, excluding foods <sup>2, 4</sup> .....	00/82	FD	49209	255.115	252.553	251.163	252.292	252.460
Finished services <sup>2</sup> .....	01/10	FD	49210	141.100	141.693	142.264	141.752	142.277
Private capital investment services.....	04/10	FD	49211	145.720	144.817	146.579	145.001	147.277
Finished distributive services <sup>2, 5</sup> .....	04/10	FD	49212	146.126	147.350	148.950	146.790	147.449
Finished services less trade services <sup>2</sup> .....	04/10	FD	49213	138.044	138.335	138.407	138.744	139.189
Finished services less distributive services <sup>2, 5</sup> .....	04/10	FD	49214	137.530	137.829	137.924	138.170	138.629
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	144.418	144.004	145.066	144.407	145.723
Finished goods plus finished distributive services <sup>2</sup> .....	04/10	FD	49216	145.207	145.130	145.636	144.967	145.428
Total exports.....	04/10	FD	49301	141.658	141.667	141.856	142.223	142.185
Goods for export.....	00/82	FD	49302	231.727	232.249	231.633	232.807	231.871
Services for export.....	04/10	FD	49303	155.335	154.934	155.893	155.829	156.499
Total government purchases.....	04/10	FD	49401	139.690	138.448	138.636	139.457	139.341
Government purchased goods.....	00/82	FD	49402	235.917	230.867	230.092	233.119	231.764
Government purchased services.....	04/10	FD	49403	137.068	137.063	137.753	137.631	138.041
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	134.961	134.379	135.349	135.082	135.983
Government purchases, defense.....	05/15	FD	49405	126.335	124.991	125.148	125.618	125.031
Government purchases, non-defense.....	05/15	FD	49406	134.000	132.897	133.084	133.997	134.107
Personal consumption.....	01/10	FD	49501	142.501	142.737	142.874	142.803	143.067
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	276.736	273.298	271.907	273.592	274.113
Personal consumption goods less energy.....	00/82	FD	49503	276.102	276.021	276.528	277.424	278.894
Personal consumption goods less foods.....	00/82	FD	49504	277.201	272.883	270.483	272.127	272.114
Personal consumption nondurable goods less foods.....	00/82	FD	49508	314.053	307.802	304.314	306.638	306.414
Personal consumption services.....	04/10	FD	49505	139.860	140.682	141.070	140.722	140.980
Personal consumption less trade services.....	04/10	FD	49506	140.544	140.217	140.077	140.541	140.942
Personal consumption less distributive services <sup>5</sup> .....	04/10	FD	49507	140.331	139.986	139.853	140.265	140.670
Personal consumption less foods and energy.....	04/14	FD	49510	131.002	131.735	132.066	131.786	132.064
Personal consumption less foods, energy, and trade services <sup>3</sup> .....	04/14	FD	49511	129.334	129.593	129.676	129.931	130.373
Personal consumption less foods, energy, and distributive services <sup>5</sup> .....	04/14	FD	49512	129.395	129.660	129.761	129.949	130.400
Personal consumption goods plus personal consumption distributive services <sup>5</sup> .....	08/13	FD	49509	133.243	133.433	133.580	133.201	133.226
<b>Intermediate Demand by Commodity Type</b>								
<b>Processed goods</b>								
Processed goods for intermediate demand.....	00/82	ID6	1	257.804	254.480	254.260	255.839	255.659
Materials and components for manufacturing.....	00/82	ID6	11	233.150	233.344	233.523	234.147	234.006
Materials for manufacturing.....		ID6	111	143.692	143.779	143.860	144.451	144.035
Materials for food manufacturing.....	00/82	ID6	1111	252.474	252.803	254.873	258.902	258.544
Materials for nondurable manufacturing.....	00/82	ID6	1112	262.524	261.253	261.340	265.076	265.969
Materials for durable manufacturing.....	00/82	ID6	1113	275.854	277.663	276.995	273.529	270.564
Components for manufacturing.....	00/82	ID6	112	190.073	190.300	190.507	190.580	191.160
Components for nondurable manufacturing.....		ID6	1121	146.935	147.407	147.394	147.304	148.044
Components for durable manufacturing.....		ID6	1122	134.186	134.333	134.487	134.546	134.941
Materials and components for construction.....	00/82	ID6	12	354.887	354.773	354.186	353.633	354.480
Materials for construction.....		ID6	121	170.755	170.133	169.951	169.261	168.906
Components for construction.....		ID6	122	178.734	179.157	178.776	178.855	179.923
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	253.383	235.782	234.158	239.727	238.393
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	255.713	244.825	246.412	248.653	247.542

See footnotes at end of table.



**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**

[August 2024, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Apr. 2024	May 2024 <sup>P</sup>	June 2024 <sup>P</sup>	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	252.944	233.197	230.580	237.196	235.791
Containers for intermediate demand.....	00/82	ID6	14	305.121	306.540	306.628	308.202	310.042
Supplies for intermediate demand.....	00/82	ID6	15	250.274	250.740	250.998	251.709	251.871
Supplies to manufacturing industries.....	00/82	ID6	151	248.527	249.453	249.818	249.844	250.230
Supplies to nonmanufacturing industries.....	00/82	ID6	152	248.559	248.949	249.189	250.001	250.127
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	210.831	211.344	213.499	216.627	215.365
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	255.461	255.838	255.831	256.349	256.656
<b>Unprocessed goods</b>								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	245.485	245.578	246.749	251.922	242.559
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	214.446	220.457	217.647	221.894	218.194
Unprocessed nonfood materials.....	00/82	ID6	22	257.382	253.150	257.151	262.771	249.702
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	340.884	329.904	328.587	336.337	327.220
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	314.926	304.264	302.980	310.363	301.358
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	371.862	371.872	371.993	375.317	378.770
Unprocessed fuel.....	00/82	ID6	222	87.208	95.937	110.444	111.727	91.076
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	211.761	217.020	218.770	225.272	219.805
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	82.676	91.849	107.609	108.621	86.366
<b>Services</b>								
Services for intermediate demand.....		ID6	3	150.204	150.642	150.993	151.401	151.259
Trade services for intermediate demand <sup>5</sup> .....		ID6	33	174.467	175.465	175.279	176.514	175.944
Trade services for manufacturing industries.....	12/12	ID6	331	159.753	160.199	159.058	161.102	160.302
Trade services for nonmanufacturing industries.....	12/12	ID6	332	154.915	156.247	157.009	157.233	156.993
Transportation and warehousing services for intermediate demand.....		ID6	32	159.542	160.414	159.974	160.678	160.721
Transportation of passengers for intermediate demand.....		ID6	321	137.640	132.328	132.852	132.955	131.876
Transportation of passengers for manufacturing industries.....		ID6	3211	137.819	132.403	132.941	133.045	131.943
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	137.680	132.379	132.902	133.005	131.928
Transportation and warehousing of goods for intermediate demand.....		ID6	322	161.921	163.373	162.841	163.604	163.751
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	130.999	131.032	130.799	131.818	131.651
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	145.677	147.314	146.779	147.348	147.564
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	141.849	142.083	142.691	142.864	142.781
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	133.506	133.816	134.306	134.283	134.256
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	142.114	142.346	142.957	143.137	143.052
<b>Construction</b>								
Construction for intermediate demand.....		ID6	4	151.679	151.698	151.832	151.899	152.095
<b>Intermediate Demand by Commodity Type Special Groupings</b>								
Processed materials less foods and feeds.....	00/82	ID6	9111	259.639	255.925	255.505	256.872	256.745
Processed foods and feeds.....	00/82	ID6	9112	240.107	240.608	242.374	246.014	245.316
Processed energy goods.....	00/82	ID6	9113	254.559	236.876	235.264	240.849	239.510
Processed materials less energy.....	00/82	ID6	9118	255.521	255.809	255.939	256.514	256.621
Processed materials less foods and energy.....	00/82	ID6	9115	257.014	257.274	257.196	257.374	257.585
Intermediate distributive services <sup>6</sup> .....	04/10	ID6	9116	166.533	167.713	167.380	168.392	168.142
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	147.261	146.261	146.084	146.984	146.844
Unprocessed materials less agricultural products.....	00/82	ID6	9211	266.332	261.032	265.577	272.918	258.548
Unprocessed energy materials <sup>7</sup> .....	00/82	ID6	9212	198.567	190.792	196.588	202.616	187.429
Unprocessed materials less energy.....	00/82	ID6	9213	267.896	274.458	271.816	275.857	271.921
Unprocessed nonfood materials less energy <sup>8</sup> .....	00/82	ID6	9216	427.365	435.470	433.289	436.720	432.134
<b>Intermediate Demand by Production Flow</b>								
<b>Stage 4 Intermediate Demand</b>								
Stage 4 intermediate demand.....		ID5	4	151.255	151.117	151.125	151.848	151.742
Inputs to stage 4 goods producers.....		ID5	41	146.192	146.667	146.218	146.941	146.674
Goods.....		ID5	411	138.277	138.837	138.760	138.877	138.744
Foods.....		ID5	4111	139.062	140.366	140.095	140.947	139.877
Energy.....		ID5	4112	133.472	141.714	142.710	137.875	140.780
Goods excluding foods and energy.....		ID5	4113	138.310	138.686	138.628	138.676	138.660
Services.....		ID5	412	172.540	172.729	171.050	173.776	173.067
Trade services.....		ID5	4123	184.772	184.978	182.345	186.294	185.244
Transportation and warehousing services.....		ID5	4122	137.230	136.502	136.505	137.436	137.263
Transportation of passengers.....		ID5	41221	137.842	132.423	132.961	133.066	131.963
Transportation and warehousing of goods.....		ID5	41222	146.197	146.340	146.239	147.392	147.391
Services less trade, transportation, and warehousing.....		ID5	4121	134.430	134.839	135.516	135.063	135.225
Inputs to stage 4 services producers.....		ID5	42	150.346	150.049	150.427	151.255	151.144

See footnotes at end of table.

**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**

[August 2024, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Apr. 2024	May 2024 <sup>P</sup>	June 2024 <sup>P</sup>	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>
Goods.....		ID5	421	148.324	147.013	147.056	147.565	147.417
Foods.....		ID5	4211	148.742	149.293	148.589	151.007	149.524
Energy.....		ID5	4212	145.611	140.641	141.389	141.490	141.333
Goods excluding foods and energy.....		ID5	4213	148.905	149.169	149.060	149.205	149.479
Services.....		ID5	422	150.792	150.833	151.323	152.256	152.157
Trade services.....		ID5	4223	164.810	165.782	165.171	167.125	166.225
Transportation and warehousing services.....		ID5	4222	156.384	156.162	155.072	155.653	156.644
Transportation of passengers.....		ID5	42221	137.301	131.934	132.466	132.570	131.478
Transportation and warehousing of goods.....		ID5	42222	160.278	160.926	159.557	160.221	161.569
Services less trade, transportation, and warehousing.....		ID5	4221	147.631	147.599	148.368	149.222	149.096
Construction.....		ID5	423	151.679	151.698	151.832	151.899	152.095
Inputs to stage 4 construction producers.....		ID5	43	163.785	162.938	162.438	162.714	162.991
Goods.....		ID5	431	168.567	167.367	166.593	166.702	167.155
Energy.....		ID5	4312	155.238	142.513	137.008	141.404	142.233
Goods excluding foods and energy.....		ID5	4313	173.770	173.701	173.372	173.057	173.483
Services.....		ID5	432	151.520	151.557	151.743	152.437	152.271
Trade services.....		ID5	4323	167.835	167.458	167.571	168.607	168.047
Transportation and warehousing services.....		ID5	4322	146.660	146.665	146.370	148.289	148.086
Transportation of passengers.....		ID5	43221	143.682	138.043	138.603	138.712	137.564
Transportation and warehousing of goods.....		ID5	43222	147.511	147.651	147.334	149.307	149.125
Services less trade, transportation, and warehousing.....		ID5	4321	133.998	134.389	134.812	134.732	134.917
<b>Stage 3 Intermediate Demand</b>								
Stage 3 intermediate demand.....		ID5	3	147.624	147.277	147.034	148.017	147.387
Inputs to stage 3 goods producers.....		ID5	31	153.996	154.854	154.771	155.764	155.306
Goods.....		ID5	311	149.079	150.167	150.134	151.071	150.577
Foods.....		ID5	3111	159.834	163.212	164.413	168.305	168.211
Energy.....		ID5	3112	134.202	132.882	132.027	131.428	131.187
Goods excluding foods and energy.....		ID5	3113	149.539	149.818	149.274	149.093	148.405
Services.....		ID5	312	162.589	162.504	162.223	163.364	163.073
Trade services.....		ID5	3123	168.173	167.995	167.549	168.669	168.225
Transportation and warehousing services.....		ID5	3122	149.816	149.612	149.274	151.026	150.858
Transportation of passengers.....		ID5	31221	146.762	140.994	141.567	141.679	140.505
Transportation and warehousing of goods.....		ID5	31222	149.774	149.876	149.489	151.329	151.216
Services less trade, transportation, and warehousing.....		ID5	3121	137.564	137.986	138.353	138.235	138.234
Inputs to stage 3 services producers.....		ID5	32	141.716	140.508	140.140	141.128	140.363
Goods.....		ID5	321	129.384	120.045	118.365	122.362	120.668
Foods.....		ID5	3211	153.189	153.434	153.212	154.575	153.437
Energy.....		ID5	3212	130.385	114.815	112.192	118.919	116.178
Goods excluding foods and energy.....		ID5	3213	137.726	137.995	137.725	137.520	137.431
Services.....		ID5	322	144.741	145.660	145.628	145.839	145.305
Trade services.....		ID5	3223	194.725	197.218	199.594	198.367	196.391
Transportation and warehousing services.....		ID5	3222	168.697	171.447	170.988	171.525	171.681
Transportation of passengers.....		ID5	32221	104.496	104.256	104.157	104.182	104.198
Transportation and warehousing of goods.....		ID5	32222	169.230	171.995	171.534	172.074	172.231
Services less trade, transportation, and warehousing.....		ID5	3221	135.669	135.996	135.938	136.145	135.506
Construction.....		ID5	323	151.679	151.698	151.832	151.899	152.095
Inputs to stage 3 construction producers.....		ID5	33	142.027	141.468	141.752	141.701	141.876
Goods.....		ID5	331	136.390	136.028	135.708	134.987	134.710
Goods excluding foods and energy.....		ID5	3313	173.794	173.332	172.925	172.006	171.653
Services.....		ID5	332	167.572	166.704	167.749	168.486	169.219
Trade services.....		ID5	3323	172.203	171.274	172.414	173.238	174.049
Transportation and warehousing services.....		ID5	3322	116.629	116.559	116.489	116.920	116.836
Transportation and warehousing of goods.....		ID5	33222	123.107	123.032	122.959	123.414	123.325
Services less trade, transportation, and warehousing.....		ID5	3321	128.489	128.003	128.391	128.126	128.265
<b>Stage 2 Intermediate Demand</b>								
Stage 2 intermediate demand.....		ID5	2	136.184	135.891	136.798	137.588	135.816
Inputs to stage 2 goods producers.....		ID5	21	122.556	121.433	122.704	124.160	120.802
Goods.....		ID5	211	116.595	114.931	116.502	118.585	114.190
Foods.....		ID5	2111	137.055	139.272	138.775	138.870	135.690
Energy.....		ID5	2112	88.436	84.922	87.332	89.897	83.196
Goods excluding foods and energy.....		ID5	2113	141.959	142.862	143.257	144.673	144.621
Services.....		ID5	212	154.144	154.675	155.113	154.685	154.313
Trade services.....		ID5	2123	173.921	175.329	176.391	175.646	175.234
Transportation and warehousing services.....		ID5	2122	171.344	171.356	171.243	170.851	170.219
Transportation of passengers.....		ID5	21221	138.150	132.959	133.467	133.568	132.516
Transportation and warehousing of goods.....		ID5	21222	173.281	173.545	173.402	172.984	172.372
Services less trade, transportation, and warehousing.....		ID5	2121	140.163	140.288	140.628	140.458	140.326
Construction.....		ID5	213	151.679	151.698	151.832	151.899	152.095

See footnotes at end of table.



**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**

[August 2024, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Apr. 2024	May 2024 <sup>P</sup>	June 2024 <sup>P</sup>	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>
Inputs to stage 2 services producers.....		ID5	22	148.321	149.064	149.488	149.432	149.676
Goods.....		ID5	221	143.890	143.339	143.348	144.159	144.499
Foods.....		ID5	2211	109.941	110.119	110.936	111.689	111.849
Energy.....		ID5	2212	156.374	141.204	140.020	146.081	144.412
Goods excluding foods and energy.....		ID5	2213	143.830	144.231	144.306	144.776	145.250
Services.....		ID5	222	148.360	149.277	149.757	149.591	149.825
Trade services.....		ID5	2223	181.509	189.311	192.118	190.428	196.600
Transportation and warehousing services.....		ID5	2222	150.659	155.620	155.386	155.281	151.830
Transportation of passengers.....		ID5	22221	138.257	132.861	133.396	133.500	132.402
Transportation and warehousing of goods.....		ID5	22222	153.533	160.417	160.041	159.897	156.001
Services less trade, transportation, and warehousing.....		ID5	2221	147.527	147.829	148.256	148.156	148.387
Construction.....		ID5	223	151.679	151.698	151.832	151.899	152.095
<b>Stage 1 Intermediate Demand</b>								
Stage 1 intermediate demand.....		ID5	1	146.508	145.688	145.769	146.656	146.728
Inputs to stage 1 goods producers.....		ID5	11	141.582	141.754	141.585	142.200	141.758
Goods.....		ID5	111	138.081	138.222	138.092	138.549	137.929
Foods.....		ID5	1111	130.462	133.745	133.111	131.434	129.258
Energy.....		ID5	1112	124.375	121.733	122.495	123.281	122.689
Goods excluding foods and energy.....		ID5	1113	146.221	146.503	146.248	147.002	146.622
Services.....		ID5	112	155.267	155.531	155.246	156.327	156.388
Trade services.....		ID5	1123	167.089	167.668	167.083	168.666	168.315
Transportation and warehousing services.....		ID5	1122	159.624	157.966	157.975	157.697	157.326
Transportation of passengers.....		ID5	11221	137.816	132.397	132.936	133.040	131.937
Transportation and warehousing of goods.....		ID5	11222	163.212	162.508	162.385	162.018	161.828
Services less trade, transportation, and warehousing.....		ID5	1121	114.339	114.454	114.534	115.026	115.640
Construction.....		ID5	113	151.679	151.698	151.832	151.899	152.095
Inputs to stage 1 services producers.....		ID5	12	148.181	146.976	147.294	148.336	148.656
Goods.....		ID5	121	148.261	143.638	143.264	144.996	145.682
Foods.....		ID5	1211	140.344	131.755	141.585	148.830	173.493
Energy.....		ID5	1212	159.785	144.367	143.052	148.335	148.786
Goods excluding foods and energy.....		ID5	1213	151.013	151.257	151.227	151.375	152.042
Services.....		ID5	122	147.464	147.703	148.310	149.057	149.222
Trade services.....		ID5	1223	173.945	175.570	176.133	177.094	175.971
Transportation and warehousing services.....		ID5	1222	146.701	145.324	145.303	145.969	147.324
Transportation of passengers.....		ID5	12221	137.734	132.318	132.857	132.961	131.859
Transportation and warehousing of goods.....		ID5	12222	167.109	167.712	167.395	168.427	171.218
Services less trade, transportation, and warehousing.....		ID5	1221	143.254	143.584	144.278	145.006	145.128
Construction.....		ID5	123	151.679	151.698	151.832	151.899	152.095
Inputs to stage 1 construction producers.....		ID5	13	164.115	162.233	161.917	162.917	163.285
Goods.....		ID5	131	166.450	163.909	163.342	164.323	164.727
Energy.....		ID5	1312	142.346	117.037	114.399	124.379	125.636
Goods excluding foods and energy.....		ID5	1313	172.073	172.240	171.901	171.841	172.152
Services.....		ID5	132	159.433	159.153	159.452	160.506	160.786
Trade services.....		ID5	1323	169.000	168.559	169.063	169.837	170.243
Transportation and warehousing services.....		ID5	1322	120.965	121.048	120.717	122.533	122.380
Transportation and warehousing of goods.....		ID5	13222	125.122	125.208	124.866	126.745	126.587
Services less trade, transportation, and warehousing.....		ID5	1321	141.656	142.070	143.207	142.891	143.908
<b>Intermediate Demand by Production Flow Special Groupings</b>								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	144.325	143.970	143.788	144.016	143.999
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	153.782	153.842	154.022	155.175	154.990
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	150.422	150.442	150.574	150.641	150.835
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	140.083	141.042	140.595	142.086	140.866
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	134.641	129.361	129.142	129.708	129.803
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	147.505	147.750	147.618	147.599	147.747
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	136.873	135.351	134.916	136.530	135.771
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	146.793	147.525	147.463	147.829	147.350
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	150.422	150.442	150.574	150.641	150.835
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	142.211	145.193	146.251	149.695	149.604
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	128.455	115.298	112.988	118.499	116.181
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	141.836	142.089	141.612	141.422	140.860
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	113.678	112.205	113.543	115.398	111.690
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	150.221	151.049	151.521	151.293	151.384
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	150.422	150.442	150.574	150.641	150.835
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	137.543	139.741	139.262	139.369	136.222
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	87.346	83.775	86.096	88.646	82.141
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	134.271	135.012	135.314	136.440	136.507
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	129.967	128.273	128.019	128.883	128.873

See footnotes at end of table.

**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**

[August 2024, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Apr. 2024	May 2024 <sup>p</sup>	June 2024 <sup>p</sup>	July 2024 <sup>p</sup>	Aug. 2024 <sup>p</sup>
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	148.817	149.026	149.457	150.277	150.431
Total construction inputs to stage 1 intermediate demand.....	04/10	ID5	9117	150.422	150.442	150.574	150.641	150.835
Total foods inputs to stage 1 intermediate demand.....	04/10	ID5	9114	122.920	125.732	125.378	124.008	122.585
Total energy goods inputs to stage 1 intermediate demand.....	04/10	ID5	9115	138.813	128.140	127.579	131.299	131.391
Total goods less foods and energy inputs to stage 1 intermediate demand.....	04/10	ID5	9116	126.857	127.061	126.892	127.224	127.293

<sup>1</sup> All indexes are subject to revision for 4 months after their originally scheduled publication to incorporate late reports and corrections by survey respondents. In addition, seasonally adjusted indexes are subject to change for up to 5 years due to the recalculation of seasonal factors published each January.

<sup>2</sup> PPI defines Total finished as including only the personal consumption and private capital investment portions of final demand.

<sup>3</sup> Trade indexes measure changes in margins received by wholesalers and retailers.

<sup>4</sup> The PPI definition of foods does not include food and beverages for immediate consumption. PPI defines food and beverages for immediate consumption as the service of preparing meals, snacks, and beverages to customer order for immediate on-premises and off-premises consumption.

<sup>5</sup> Distributive services include transportation, warehousing, and trade of goods.

<sup>6</sup> Includes intermediate trade, transportation, and warehousing services.

<sup>7</sup> Includes crude petroleum.

<sup>8</sup> Excludes crude petroleum.

p Preliminary

"/" Data not available.