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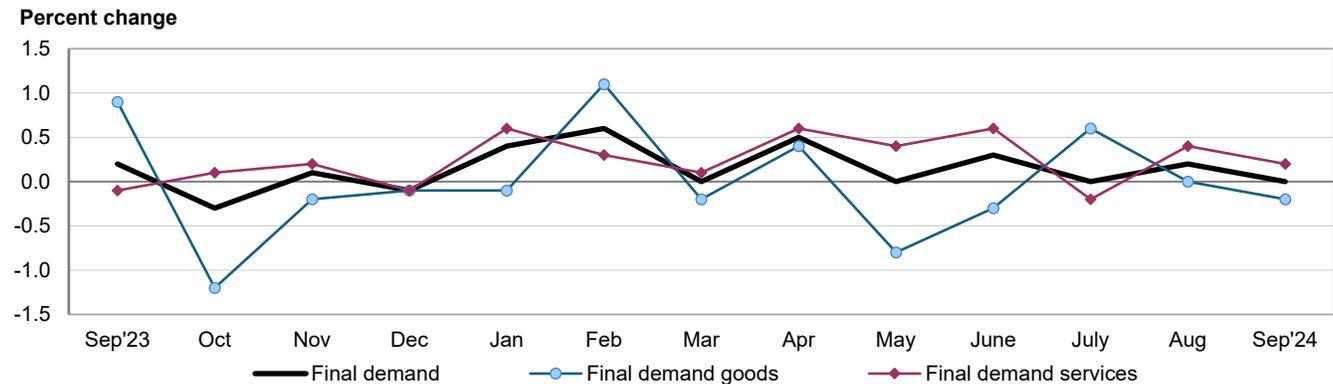
## PRODUCER PRICE INDEXES – SEPTEMBER 2024

The Producer Price Index for final demand was unchanged in September, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. Final demand prices advanced 0.2 percent in August and were unchanged in July. (See table A.) On an unadjusted basis, the index for final demand rose 1.8 percent for the 12 months ended in September.

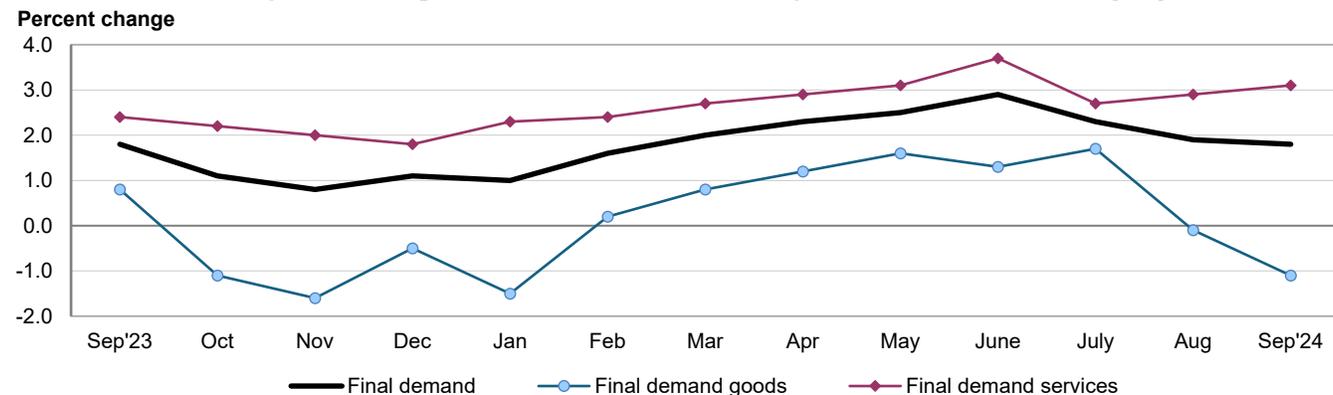
Within final demand in September, a 0.2-percent increase in the index for final demand services offset a 0.2-percent decline in prices for final demand goods.

The index for final demand less foods, energy, and trade services inched up 0.1 percent in September after rising 0.2 percent in August. For the 12 months ended in September, prices for final demand less foods, energy, and trade services increased 3.2 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:** The index for final demand services moved up 0.2 percent in September after rising 0.4 percent in August. Leading the broad-based increase in September, prices for final demand services less trade, transportation, and warehousing advanced 0.1 percent. The indexes for final demand trade services and for final demand transportation and warehousing services also rose, 0.2 percent and 0.3 percent, respectively. (Trade indexes measure changes in margins received by wholesalers and retailers.)

*Product detail:* A 3.0-percent increase in the index for deposit services (partial) was a major factor in the September advance in prices for final demand services. The indexes for machinery and vehicle wholesaling, furniture retailing, desktop and portable device application software publishing, apparel wholesaling, and airline passenger services also rose. Conversely, margins for professional and commercial equipment wholesaling fell 6.3 percent. The indexes for securities brokerage, dealing, investment advice, and related services and for consumer loans (partial) also moved lower. (See table 2.)

**Final demand goods:** The index for final demand goods decreased 0.2 percent in September following no change in August. The decline can be traced to a 2.7-percent drop in prices for final demand energy. In contrast, the indexes for final demand foods and for final demand goods less foods and energy increased 1.0 percent and 0.2 percent, respectively.

*Product detail:* Leading the September decline in prices for final demand goods, the index for gasoline decreased 5.6 percent. Prices for diesel fuel, jet fuel, chicken eggs, home heating oil, and plastic resins and materials also fell. Conversely, the index for processed poultry jumped 8.8 percent. Prices for electric power and for motor vehicles also moved higher.

**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>												
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....	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	-4.6	0.2	0.4	0.8	-0.8	0.3	2.5	3.4
June <sup>1</sup> ..	0.3	0.1	-0.3	0.1	-2.0	0.0	0.6	1.9	-0.1	0.1	2.9	3.2
July <sup>1</sup> ...	0.0	0.4	0.6	0.6	1.7	0.2	-0.2	-1.8	1.2	0.3	2.3	3.4
Aug. <sup>1</sup> ..	0.2	0.2	0.0	0.2	-1.0	0.2	0.4	0.7	-0.9	0.4	1.9	3.3
Sept...	0.0	0.1	-0.2	1.0	-2.7	0.2	0.2	0.2	0.3	0.1	1.8	3.2

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

## Intermediate Demand by Commodity Type

Within intermediate demand in September, prices for processed goods declined 0.8 percent, the index for unprocessed goods fell 3.2 percent, and prices for services moved up 0.2 percent. (See tables B and C.)

**Processed goods for intermediate demand:** The index for processed goods for intermediate demand moved down 0.8 percent in September, the largest decline since falling 1.4 percent in May. Most of the September decrease is attributable to prices for processed energy goods, which dropped 4.7 percent. The index for processed materials less foods and energy edged down 0.1 percent. In contrast, prices for processed foods and feeds rose 0.9 percent. For the 12 months ended in September, the index for processed goods for intermediate demand decreased 2.7 percent, the largest 12-month decline since falling 3.7 percent in January.

*Product detail:* Over 80 percent of the September decrease in prices for processed goods for intermediate demand can be attributed to the index for diesel fuel, which dropped 17.6 percent. Prices for gasoline, basic organic chemicals, plastic resins and materials, jet fuel, and asphalt also moved lower. Conversely, the index for processed poultry advanced 8.8 percent. Prices for softwood lumber and for commercial electric power also increased.

**Unprocessed goods for intermediate demand:** The index for unprocessed goods for intermediate demand moved down 3.2 percent in September, the largest decline since falling 4.1 percent in December 2023. The September decrease is attributable to prices for unprocessed energy materials, which dropped 12.6 percent. In contrast, the indexes for unprocessed foodstuffs and feedstuffs and for unprocessed nonfood materials less energy increased 2.7 percent and 1.9 percent, respectively. For the 12 months ended in September, prices for unprocessed goods for intermediate demand fell 9.5 percent, the largest 12-month decline since decreasing 13.5 percent in January.

*Product detail:* Most of the September decrease in prices for unprocessed goods for intermediate demand can be traced to the index for crude petroleum, which fell 16.7 percent. Prices for ungraded chicken eggs; slaughter steers and heifers; coal; fresh vegetables, except potatoes; and recyclable paper also moved down. Conversely, the index for slaughter poultry advanced 5.8 percent. Prices for nonferrous metal ores and for natural gas also increased.

**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>										
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.....	0.5	-0.3	1.8	0.3	-0.6	2.1	-0.6	6.0	0.5	-5.0
May <sup>1</sup> .....	-1.4	0.4	-7.5	0.1	-0.6	0.0	2.8	-3.9	1.9	-0.1
June <sup>1</sup> ....	-0.1	0.7	-0.7	0.0	-0.2	0.5	-1.3	3.1	-0.5	1.6
July <sup>1</sup> .....	0.6	1.5	2.5	0.1	0.8	2.1	2.0	3.2	0.4	1.4
Aug. <sup>1</sup> .....	-0.2	-0.2	-0.9	0.1	-1.3	-3.1	-1.3	-6.3	-1.1	-3.8
Sept.....	-0.8	0.9	-4.7	-0.1	-2.7	-3.2	2.7	-12.6	1.9	-9.5

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for May 2024 through August 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 increased 0.2 percent in September after edging down 0.1 percent in August. Over half of the broad-based rise can be attributed to prices for services less trade, transportation, and warehousing for intermediate demand, which advanced 0.2 percent. The indexes for transportation and warehousing services for intermediate demand and for trade services for intermediate demand also moved up, 0.3 percent and 0.2 percent, respectively. For the 12 months ended in September, prices for services for intermediate demand advanced 3.5 percent.

*Product detail:* Leading the September increase in the index for services for intermediate demand, prices for staffing services jumped 2.7 percent. The indexes for deposit services (partial), investment banking, food and alcohol wholesaling, radio advertising time sales, and services related to air transportation also moved higher. In contrast, prices for securities brokerage, dealing, investment advice, and related services fell 2.3 percent. The indexes for machinery and equipment parts and supplies wholesaling and for long-distance motor carrying also declined.

**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>					
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.....	0.2	-0.4	0.4	0.4	3.4
May <sup>1</sup> .....	0.3	0.6	0.5	0.2	3.5
June <sup>1</sup> ....	0.4	0.8	-0.2	0.5	4.0
July <sup>1</sup> .....	0.3	0.4	0.7	0.2	3.6
Aug. <sup>1</sup> .....	-0.1	-0.1	-0.2	-0.1	3.6
Sept.....	0.2	0.2	0.3	0.2	3.5

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for May 2024 through August 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 edged up 0.1 percent in September after decreasing 0.1 percent in August. In September, the indexes for both total goods inputs and for total services inputs to stage 4 intermediate demand advanced 0.1 percent. (See table D.) Rising prices for processed poultry; staffing services; investment banking; grains; and hay, hayseeds, and oilseeds outweighed declines in the indexes for securities brokerage, dealing, investment advice, and related services; diesel fuel; gross rents for retail properties; and gasoline. For the 12 months ended in September, prices for stage 4 intermediate demand increased 1.8 percent.

**Stage 3 intermediate demand:** The index for stage 3 intermediate demand decreased 0.2 percent in September following a 0.4-percent decline in August. In September, prices for total goods inputs to stage 3 intermediate demand fell 0.9 percent. Conversely, the index for total services inputs rose 0.4 percent. Lower prices for diesel fuel, basic organic chemicals, jet fuel, plastic resins and materials, asphalt, and television advertising time sales outweighed advances in the indexes for staffing services, slaughter poultry, and slaughter hogs. For the 12 months ended in September, prices for stage 3 intermediate demand were unchanged.

**Stage 2 intermediate demand:** The index for stage 2 intermediate demand decreased 1.6 percent in September, the largest decline since falling 2.5 percent in March 2023. In September, prices for total goods inputs to stage 2 intermediate demand dropped 4.6 percent. In contrast, the index for total services inputs moved up 0.5 percent. Decreases in prices for crude petroleum; business loans (partial); coal; basic organic chemicals; diesel fuel; and securities brokerage, dealing, investment advice, and related services outweighed advances in the indexes for staffing services, deposit services (partial), and natural gas. For the 12 months ended in September, prices for stage 2 intermediate demand fell 2.4 percent, the largest 12-month decline since moving down 2.9 percent in January.

**Stage 1 intermediate demand:** Prices for stage 1 intermediate demand declined 0.5 percent in September, the first decrease since falling 0.7 percent in May. In September, the index for total goods inputs to stage 1 intermediate demand moved down 0.9 percent, while prices for total services inputs were unchanged. Declines in the indexes for diesel fuel; securities brokerage, dealing, investment advice, and related services; gross rents for retail properties; gasoline; basic organic chemicals; and air conditioning and refrigeration equipment outweighed higher prices for grains, investment banking, and traveler accommodation services. For the 12 months ended in September, the index for stage 1 intermediate demand fell 0.3 percent, the first 12-month decrease since moving down 0.5 percent in January.

**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	Ser-vices inputs									
<b>2023</b>												
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.....	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	-0.3	0.0	-0.3	-1.2	0.5	-0.2	-1.2	0.5	-0.7	-1.5	0.2
June <sup>1</sup> ....	0.1	-0.1	0.3	-0.1	-0.3	0.2	0.8	1.2	0.5	0.2	-0.2	0.5
July <sup>1</sup> .....	0.5	0.2	0.7	0.7	1.2	0.3	0.6	1.6	-0.1	0.6	0.7	0.5
Aug. <sup>1</sup> .....	-0.1	0.0	-0.1	-0.4	-0.5	-0.4	-1.1	-2.8	0.0	0.0	-0.1	0.1
Sept.....	0.1	0.1	0.1	-0.2	-0.9	0.4	-1.6	-4.6	0.5	-0.5	-0.9	0.0

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

**The Producer Price Index for October 2024 is scheduled to be released on Thursday, November 14, 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**  
[September 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Sept. 2023 to Sept. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Apr. to May	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>
<b>Final Demand</b>									
Final demand.....	FD	4	100.000	1.8	0.0	0.3	0.0	0.2	0.0
Final demand goods.....	FD	41	30.162	-1.1	-0.8	-0.3	0.6	0.0	-0.2
Final demand foods.....	FD	411	5.633	3.2	-0.1	0.1	0.6	0.2	1.0
Finished consumer goods <sup>3</sup> .....	FD	4111	4.307	5.0	-0.5	0.4	0.6	0.8	0.9
Finished consumer foods, crude.....	FD	41113	0.351	24.4	-7.5	4.7	-2.6	12.0	-0.8
Finished consumer foods, processed.....	FD	41112	3.956	3.4	0.2	0.0	0.9	-0.2	1.1
Government purchased foods.....	FD	4112	0.410	3.9	0.1	0.5	1.9	-0.8	1.0
Foods for export.....	FD	4113	0.916	-5.7	1.5	-1.3	0.1	-1.9	1.6
Final demand energy.....	FD	412	5.517	-13.8	-4.6	-2.0	1.7	-1.0	-2.7
Finished consumer energy goods <sup>3</sup> .....	FD	4121	4.292	-12.1	-3.9	-2.1	1.2	-0.6	-1.9
Government purchased energy.....	FD	4122	0.834	-20.1	-8.3	-1.7	3.7	-2.5	-5.9
Energy for export.....	FD	4123	0.391	-19.7	-5.3	-1.8	3.8	-2.6	-6.1
Final demand goods less foods and energy.....	FD	413	19.012	2.0	0.2	0.0	0.2	0.2	0.2
Finished goods less foods and energy <sup>3</sup> .....	FD	4131	10.933	2.4	0.2	0.1	0.1	0.3	0.2
Finished consumer goods less foods and energy.....	FD	41311	5.811	2.2	0.3	0.1	0.1	0.4	0.2
Nondurable consumer goods less foods and energy.....	FD	413111	3.522	3.0	0.5	0.1	0.1	0.6	0.3
Durable consumer goods.....	FD	413112	2.289	1.1	0.0	0.0	0.1	0.2	0.1
Private capital equipment.....	FD	41312	5.122	2.6	0.1	0.1	0.1	0.2	0.2
Private capital equipment for manufacturing industries.....	FD	413121	1.254	3.6	0.3	0.1	0.2	0.4	0.2
Private capital equipment for nonmanufacturing industries.....	FD	413122	3.868	2.3	0.1	0.1	0.1	0.2	0.2
Government purchased goods, excluding foods and energy.....	FD	4132	1.971	2.1	0.0	0.0	0.3	0.1	0.3
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.146	1.8	-0.1	0.0	0.4	0.2	0.3
Government purchased capital equipment.....	FD	41322	0.825	2.5	0.1	0.1	0.1	0.1	0.2
Goods for export, excluding foods and energy.....	FD	4133	6.108	1.4	0.3	0.0	0.3	-0.1	0.0
Final demand services.....	FD	42	67.184	3.1	0.4	0.6	-0.2	0.4	0.2
Final demand trade services <sup>4</sup> .....	FD	423	19.195	1.5	0.8	1.9	-1.8	0.7	0.2
Trade of finished goods <sup>3</sup> .....	FD	4231	16.558	0.9	1.0	1.9	-1.9	0.7	0.3
Trade of personal consumption goods.....	FD	42311	13.605	0.3	1.7	1.5	-1.6	0.1	0.4
Trade of private capital equipment.....	FD	42312	2.953	3.7	-2.2	3.6	-3.4	3.3	-0.2
Trade of government purchased goods.....	FD	4232	0.745	5.1	-0.7	3.0	-1.8	0.8	0.0
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.474	3.2	1.0	2.1	0.0	-1.0	0.1
Trade of government purchased capital equipment.....	FD	42322	0.271	8.5	-3.5	4.5	-4.8	4.0	-0.2
Trade of exports.....	FD	4233	1.892	5.6	-0.7	1.7	-1.0	1.1	0.0
Final demand transportation and warehousing services.....	FD	422	4.931	0.4	-0.8	-0.1	1.2	-0.9	0.3
Transportation of passengers for final demand.....	FD	4221	1.271	0.7	-3.9	0.2	0.2	-1.0	1.5
Transportation of private passengers.....	FD	42211	0.857	0.7	-3.9	0.2	0.2	-1.0	1.5
Transportation of government passengers.....	FD	42212	0.103	0.7	-3.9	0.2	0.2	-1.0	1.5
Transportation of passengers for export.....	FD	42213	0.311	0.7	-3.9	0.2	0.2	-1.0	1.5
Transportation and warehousing of goods for final demand.....	FD	4222	3.660	0.3	0.2	-0.2	1.5	-0.9	0.0
Transportation and warehousing of finished goods <sup>3</sup> .....	FD	42221	2.368	0.1	0.2	-0.2	1.6	-0.9	-0.1
Transportation and warehousing of personal consumption goods.....	FD	422211	1.908	0.2	0.2	-0.2	1.5	-0.8	-0.1
Transportation and warehousing of private capital equipment.....	FD	422212	0.460	-0.5	0.2	-0.2	1.7	-1.3	-0.1
Transportation and warehousing of government purchased goods.....	FD	42222	0.220	0.7	0.1	-0.3	1.3	-0.5	0.0
Transportation and warehousing of exports.....	FD	42223	1.072	0.7	0.3	-0.2	1.3	-0.9	0.1
Final demand services less trade, transportation, and warehousing.....	FD	421	43.059	4.1	0.3	0.1	0.3	0.4	0.1
Finished services less trade, transportation, and warehousing <sup>3</sup> .....	FD	4211	37.528	4.0	0.3	0.1	0.3	0.4	0.1
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	33.067	4.2	0.3	0.1	0.2	0.5	0.1
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	4.461	3.2	0.5	0.0	0.8	-0.1	0.5
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.810	4.0	0.3	0.3	0.4	0.1	0.1
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.647	4.0	0.3	0.3	0.3	0.1	0.1
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.163	3.7	0.8	-0.3	1.8	-0.7	0.6
Services for export less trade, transportation, and warehousing.....	FD	4213	2.721	5.4	0.3	0.6	0.5	0.1	0.0
Final demand construction.....	FD	43	2.654	1.3	0.0	0.3	0.7	0.0	0.1
Construction for private capital investment.....	FD	431	1.844	1.0	0.1	0.4	0.6	0.0	0.1
Construction for government.....	FD	432	0.810	1.9	-0.1	0.2	1.1	0.0	0.1
<b>Special Groupings of Final Demand</b>									
Final demand less exports.....	FD	49101	86.589	1.8	0.0	0.3	0.0	0.3	0.1
Final demand less government.....	FD	49102	92.097	1.9	0.1	0.3	0.0	0.3	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**  
 [September 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Sept. 2023 to Sept. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Apr. to May	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>5</sup> .....	FD	49103	88.421	2.8	0.3	0.5	-0.1	0.3	0.1
Final demand less foods and energy <sup>5</sup> .....	FD	49104	88.850	2.8	0.3	0.5	-0.1	0.3	0.2
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>5</sup> .....	FD	49105	93.938	1.6	0.0	0.3	0.0	0.3	0.0
Final demand less foods <sup>5</sup> .....	FD	49106	94.367	1.7	0.0	0.3	0.0	0.2	0.0
Final demand less energy.....	FD	49107	94.483	2.8	0.3	0.5	-0.1	0.3	0.2
Final demand less trade services.....	FD	49108	80.805	1.8	-0.2	-0.1	0.5	0.1	0.0
Final demand less distributive services <sup>6</sup> .....	FD	49109	77.145	1.9	-0.2	0.0	0.4	0.2	0.0
Final demand goods less energy.....	FD	49111	24.645	2.3	0.2	0.1	0.3	0.2	0.4
Final demand goods less foods.....	FD	49112	24.529	-2.0	-0.9	-0.4	0.6	-0.1	-0.5
Final demand services less trade services.....	FD	49113	47.990	3.7	0.2	0.1	0.4	0.2	0.1
Final demand distributive services <sup>6</sup> .....	FD	49114	22.855	1.3	0.7	1.6	-1.3	0.5	0.2
Final demand goods plus final demand distributive services <sup>6</sup> .....	FD	49115	53.017	-0.1	-0.2	0.5	-0.2	0.2	0.0
Final demand less foods, energy, and trade services <sup>5</sup> .....	FD	49116	69.655	3.2	0.2	0.1	0.4	0.2	0.1
Private and government purchased capital equipment.....	FD	49117	5.947	2.6	0.1	0.1	0.1	0.2	0.2
Private and government purchased capital investment services.....	FD	49118	8.308	3.4	-0.7	1.4	-0.8	1.2	0.2
Total private and government purchased capital investment.....	FD	49119	14.255	2.8	-0.3	0.8	-0.3	0.7	0.2
Total finished <sup>3</sup> .....	FD	49201	78.687	1.9	0.1	0.3	-0.1	0.3	0.1
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>3, 5</sup> .....	FD	49202	69.663	2.8	0.4	0.5	-0.2	0.4	0.2
Total finished less foods and energy <sup>3, 5</sup> .....	FD	49203	70.088	2.8	0.4	0.5	-0.2	0.4	0.2
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>3, 5</sup> .....	FD	49204	73.955	1.8	0.1	0.3	-0.1	0.3	0.1
Total finished less foods <sup>3, 5</sup> .....	FD	49205	74.380	1.8	0.1	0.3	-0.1	0.3	0.1
Total finished less energy <sup>3</sup> .....	FD	49206	74.395	2.9	0.3	0.5	-0.2	0.4	0.2
Finished goods <sup>3</sup> .....	FD	49207	19.532	-0.7	-0.9	-0.3	0.5	0.2	-0.1
Finished goods less energy <sup>3</sup> .....	FD	49208	15.240	3.1	0.0	0.2	0.3	0.5	0.4
Finished goods, excluding foods <sup>3, 5</sup> .....	FD	49209	15.225	-2.2	-1.0	-0.5	0.4	0.1	-0.4
Finished services <sup>3</sup> .....	FD	49210	57.311	2.9	0.4	0.6	-0.3	0.4	0.2
Private capital investment services.....	FD	49211	7.874	3.2	-0.6	1.3	-0.8	1.1	0.2
Finished distributive services <sup>3, 6</sup> .....	FD	49212	18.926	0.8	0.9	1.6	-1.5	0.5	0.2
Finished services less trade services <sup>3</sup> .....	FD	49213	40.753	3.7	0.2	0.1	0.4	0.3	0.1
Finished services less distributive services <sup>3, 6</sup> .....	FD	49214	38.385	4.0	0.2	0.1	0.3	0.4	0.1
Total private capital investment (goods, services, and construction).....	FD	49215	14.840	2.7	-0.3	0.8	-0.3	0.7	0.2
Finished goods plus finished distributive services <sup>3, 6</sup> .....	FD	49216	38.458	0.0	0.0	0.6	-0.5	0.3	0.1
Total exports.....	FD	49301	13.411	1.5	0.0	0.2	0.3	-0.2	0.0
Goods for export.....	FD	49302	7.415	-0.8	0.2	-0.3	0.5	-0.4	-0.1
Services for export.....	FD	49303	5.996	4.4	-0.2	0.8	0.1	0.2	0.1
Total government purchases.....	FD	49401	7.903	0.3	-0.9	0.3	0.6	-0.2	-0.4
Government purchased goods.....	FD	49402	3.215	-4.2	-2.3	-0.3	1.3	-0.7	-1.2
Government purchased services.....	FD	49403	3.878	3.9	0.0	0.8	0.0	0.1	0.1
Total government purchased capital investment (goods, services, construction).....	FD	49404	2.069	3.2	-0.4	0.7	-0.1	0.5	0.2
Government purchases, defense.....	FD	49405	2.356	-0.8	-1.1	0.2	0.4	-0.6	-0.4
Government purchases, non-defense.....	FD	49406	5.547	0.8	-0.9	0.3	0.7	0.0	-0.4
Personal consumption.....	FD	49501	63.847	1.8	0.2	0.2	0.0	0.3	0.1
Personal consumption goods (finished consumer goods).....	FD	49502	14.410	-1.8	-1.2	-0.5	0.6	0.2	-0.2
Personal consumption goods less energy.....	FD	49503	10.118	3.4	0.0	0.2	0.3	0.6	0.5
Personal consumption goods less foods.....	FD	49504	10.103	-4.4	-1.6	-0.9	0.6	0.0	-0.7
Personal consumption nondurable goods less foods.....	FD	49508	7.814	-5.9	-2.0	-1.1	0.7	-0.1	-0.9
Personal consumption services.....	FD	49505	49.437	2.9	0.6	0.5	-0.2	0.3	0.2
Personal consumption less trade services.....	FD	49506	50.242	2.2	-0.2	-0.1	0.4	0.3	0.0
Personal consumption less distributive services <sup>6</sup> .....	FD	49507	48.334	2.3	-0.2	-0.1	0.4	0.4	0.0
Personal consumption less foods and energy.....	FD	49510	55.248	2.8	0.6	0.4	-0.2	0.3	0.2
Personal consumption less foods, energy, and trade services <sup>4</sup> .....	FD	49511	41.643	3.6	0.2	0.1	0.3	0.4	0.1
Personal consumption less foods, energy, and distributive services <sup>6</sup> .....	FD	49512	39.735	3.8	0.2	0.1	0.2	0.4	0.1
Personal consumption goods plus personal consumption distributive services <sup>6</sup> .....	FD	49509	29.923	-0.7	0.2	0.4	-0.3	0.1	0.1
<b>Intermediate Demand by Commodity Type</b>									
<b>Processed goods</b>									
Processed goods for intermediate demand.....	ID6	1	100.000	-2.7	-1.4	-0.1	0.6	-0.2	-0.8
Materials and components for manufacturing.....	ID6	11	43.169	0.6	0.1	0.1	0.3	-0.1	-0.1
Materials for manufacturing.....	ID6	111	26.499	-0.1	0.0	0.0	0.4	-0.3	-0.2
Materials for food manufacturing.....	ID6	1111	4.375	4.9	0.1	0.8	1.6	0.0	1.0
Materials for nondurable manufacturing.....	ID6	1112	11.774	0.6	-0.5	0.0	1.5	0.2	-0.7
Materials for durable manufacturing.....	ID6	1113	10.350	-3.1	0.7	-0.2	-1.2	-1.1	-0.2
Components for manufacturing.....	ID6	112	16.670	1.7	0.1	0.1	0.0	0.3	0.0

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Sept. 2023 to Sept. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Apr. to May	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>
Components for nondurable manufacturing.....	ID6	1121	0.804	2.1	0.3	0.0	0.1	0.5	0.0
Components for durable manufacturing.....	ID6	1122	15.866	1.6	0.1	0.1	0.0	0.3	0.0
Materials and components for construction.....	ID6	12	10.782	0.7	0.0	-0.2	-0.1	0.3	0.1
Materials for construction.....	ID6	121	4.753	0.8	-0.4	-0.1	-0.4	0.0	0.3
Components for construction.....	ID6	122	6.029	0.7	0.2	-0.2	0.1	0.6	-0.1
Processed fuels and lubricants for intermediate demand.....	ID6	13	18.656	-15.1	-7.5	-0.7	2.5	-0.9	-4.7
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.711	-9.5	-5.5	0.6	1.1	-0.5	-3.0
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	13.945	-16.8	-8.2	-1.2	2.9	-1.1	-5.3
Containers for intermediate demand.....	ID6	14	3.090	1.7	0.5	0.0	0.5	0.6	0.5
Supplies for intermediate demand.....	ID6	15	24.303	0.6	0.3	0.1	0.3	0.1	0.2
Supplies to manufacturing industries.....	ID6	151	3.234	2.1	0.4	0.2	0.0	0.1	0.2
Supplies to nonmanufacturing industries.....	ID6	152	21.069	0.4	0.3	0.1	0.3	0.1	0.3
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	2.208	-9.5	1.2	0.6	1.4	-0.8	0.2
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	18.861	1.6	0.1	0.0	0.2	0.2	0.3
<b>Unprocessed goods</b>									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	-9.5	0.0	0.5	2.1	-3.1	-3.2
Unprocessed foodstuffs and feedstuffs.....	ID6	21	37.665	0.1	2.8	-1.3	2.0	-1.3	2.7
Unprocessed nonfood materials.....	ID6	22	62.334	-15.1	-1.6	1.6	2.1	-4.3	-6.9
Unprocessed nonfood materials except fuel.....	ID6	221	51.132	-15.1	-3.2	-0.4	2.1	-2.9	-8.0
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	48.525	-16.1	-3.4	-0.4	2.2	-3.1	-8.5
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	2.607	7.2	0.0	0.0	0.9	0.9	0.3
Unprocessed fuel.....	ID6	222	11.202	-14.9	10.0	15.2	2.2	-12.2	0.6
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.016	2.1	2.5	0.8	0.6	0.4	-1.7
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	10.186	-16.6	11.1	17.3	2.4	-13.7	0.9
<b>Services</b>									
Services for intermediate demand.....	ID6	3	100.000	3.5	0.3	0.4	0.3	-0.1	0.2
Trade services for intermediate demand <sup>6</sup> .....	ID6	33	18.284	3.5	0.6	0.8	0.4	-0.1	0.2
Trade services for manufacturing industries.....	ID6	331	9.046	3.7	0.3	-0.2	0.9	-0.2	0.3
Trade services for nonmanufacturing industries.....	ID6	332	9.238	3.4	0.9	1.7	-0.1	-0.1	0.2
Transportation and warehousing services for intermediate demand.....	ID6	32	14.025	3.6	0.5	-0.2	0.7	-0.2	0.3
Transportation of passengers for intermediate demand.....	ID6	321	1.039	0.7	-3.9	0.2	0.2	-1.0	1.5
Transportation of passengers for manufacturing industries.....	ID6	3211	0.124	0.7	-3.9	0.2	0.2	-1.0	1.5
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.915	0.7	-3.8	0.2	0.2	-1.0	1.5
Transportation and warehousing of goods for intermediate demand.....	ID6	322	12.986	3.8	0.8	-0.3	0.7	-0.2	0.3
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.724	0.5	0.2	-0.1	1.0	-0.9	0.1
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	10.262	4.7	1.0	-0.3	0.6	0.0	0.3
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	67.691	3.4	0.2	0.5	0.2	-0.1	0.2
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.126	4.1	0.3	0.3	0.0	-0.1	0.2
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	65.565	3.4	0.2	0.5	0.2	-0.1	0.2
<b>Construction</b>									
Construction for intermediate demand.....	ID6	4	100.000	4.6	0.0	0.1	0.2	0.1	0.1
<b>Special Groupings of Intermediate Demand by Commodity Type</b>									
Processed materials less foods and feeds.....	ID6	9111	91.107	-3.0	-1.6	-0.2	0.6	-0.2	-1.0
Processed foods and feeds.....	ID6	9112	8.893	1.1	0.4	0.7	1.5	-0.2	0.9
Processed energy goods.....	ID6	9113	18.656	-15.1	-7.5	-0.7	2.5	-0.9	-4.7
Processed materials less energy.....	ID6	9118	81.344	0.6	0.1	0.0	0.2	0.0	0.0
Processed materials less foods and energy.....	ID6	9115	72.451	0.6	0.1	0.0	0.1	0.1	-0.1
Intermediate distributive services <sup>7</sup> .....	ID6	9116	31.270	3.6	0.7	0.3	0.5	-0.2	0.2
Processed goods plus intermediate distributive services.....	ID6	9117	-	-0.8	-0.8	0.0	0.6	-0.2	-0.5
Unprocessed materials less agricultural products.....	ID6	9211	57.180	-15.0	-2.0	1.8	2.7	-4.5	-7.8
Unprocessed energy materials <sup>8</sup> .....	ID6	9212	37.534	-24.4	-3.9	3.1	3.2	-6.3	-12.6
Unprocessed materials less energy.....	ID6	9213	62.466	0.8	2.5	-1.0	1.4	-1.2	2.4
Unprocessed nonfood materials less energy <sup>9</sup> .....	ID6	9216	24.801	1.8	1.9	-0.5	0.4	-1.1	1.9
<b>Intermediate Demand by Production Flow</b>									
<b>Stage 4 Intermediate Demand</b>									
Stage 4 intermediate demand.....	ID5	4	100.000	1.8	-0.1	0.1	0.5	-0.1	0.1
Inputs to stage 4 goods producers.....	ID5	41	29.667	1.1	0.3	-0.3	0.5	-0.2	0.3
Goods.....	ID5	411	21.624	0.1	0.3	-0.1	0.1	-0.1	0.4

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Sept. 2023 to Sept. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Apr. to May	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>
Foods.....	ID5	4111	2.954	-2.5	0.9	-0.3	0.6	-0.7	1.7
Energy.....	ID5	4112	0.170	-13.3	-1.1	0.2	-2.6	1.5	2.8
Goods excluding foods and energy.....	ID5	4113	18.500	0.7	0.3	0.0	0.0	0.0	0.2
Services.....	ID5	412	8.043	3.8	0.1	-0.8	1.5	-0.2	0.2
Trade services.....	ID5	4123	6.035	4.2	0.1	-1.2	2.0	-0.3	0.2
Transportation and warehousing services.....	ID5	4122	4.092	1.3	-0.6	0.0	0.8	-0.6	0.3
Transportation of passengers.....	ID5	41221	0.076	0.7	-3.9	0.2	0.2	-1.0	1.5
Transportation and warehousing of goods.....	ID5	41222	0.416	1.4	0.0	-0.1	0.9	-0.5	0.1
Services less trade, transportation, and warehousing.....	ID5	4121	1.516	3.2	0.3	0.5	-0.3	0.1	0.1
Inputs to stage 4 services producers.....	ID5	42	55.647	2.8	-0.2	0.3	0.5	-0.1	0.0
Goods.....	ID5	421	13.690	-0.1	-0.9	0.0	0.4	-0.2	0.0
Foods.....	ID5	4211	2.275	2.8	0.4	-0.5	1.6	-0.8	2.2
Energy.....	ID5	4212	4.008	-4.5	-3.6	0.5	0.1	-0.6	-1.5
Goods excluding foods and energy.....	ID5	4213	7.407	1.6	0.2	0.0	0.1	0.2	0.1
Services.....	ID5	422	41.904	3.8	0.0	0.4	0.6	0.0	0.0
Trade services.....	ID5	4223	4.118	3.8	0.6	0.4	0.8	-0.4	0.2
Transportation and warehousing services.....	ID5	4222	3.751	3.9	-0.2	-0.7	0.4	0.6	0.3
Transportation of passengers.....	ID5	42221	0.484	0.7	-3.9	0.2	0.2	-1.0	1.5
Transportation and warehousing of goods.....	ID5	42222	3.267	4.4	0.3	-0.8	0.5	0.8	0.1
Services less trade, transportation, and warehousing.....	ID5	4221	34.035	3.8	0.0	0.6	0.6	-0.1	0.0
Construction.....	ID5	423	0.053	4.6	0.0	0.1	0.2	0.1	0.1
Inputs to stage 4 construction producers.....	ID5	43	14.686	-0.8	-0.6	-0.2	0.2	0.2	-0.2
Goods.....	ID5	431	10.699	-1.5	-0.8	-0.5	0.1	0.3	-0.4
Energy.....	ID5	4312	0.763	-25.4	-8.9	-3.9	3.3	0.4	-7.4
Goods excluding foods and energy.....	ID5	4313	9.936	0.9	0.0	-0.2	-0.2	0.3	0.2
Services.....	ID5	432	3.987	1.4	0.0	0.6	0.4	-0.1	0.2
Trade services.....	ID5	4323	1.737	1.1	-0.2	1.1	0.4	0.0	0.2
Transportation and warehousing services.....	ID5	4322	0.661	-0.2	0.0	-0.2	1.6	-1.1	0.0
Transportation of passengers.....	ID5	43221	0.015	0.7	-3.9	0.2	0.2	-1.0	1.5
Transportation and warehousing of goods.....	ID5	43222	0.646	-0.2	0.1	-0.2	1.6	-1.2	-0.1
Services less trade, transportation, and warehousing.....	ID5	4321	1.589	2.4	0.3	0.3	-0.1	0.1	0.2
<b>Stage 3 Intermediate Demand</b>									
Stage 3 intermediate demand.....	ID5	3	100.000	0.0	-0.3	-0.1	0.7	-0.4	-0.2
Inputs to stage 3 goods producers.....	ID5	31	43.622	0.7	0.5	0.0	0.6	-0.2	0.3
Goods.....	ID5	311	33.726	0.3	0.6	0.0	0.7	-0.2	0.3
Foods.....	ID5	3111	10.039	3.9	2.1	0.7	2.4	0.6	2.0
Energy.....	ID5	3112	1.161	-18.2	-4.3	-0.9	0.0	-0.5	-6.2
Goods excluding foods and energy.....	ID5	3113	22.526	-0.2	0.2	-0.4	-0.1	-0.6	-0.2
Services.....	ID5	312	9.896	1.8	0.0	0.1	0.5	-0.4	0.3
Trade services.....	ID5	3123	5.529	2.3	-0.1	0.1	0.2	-0.1	0.5
Transportation and warehousing services.....	ID5	3122	2.903	0.4	0.1	-0.1	1.4	-1.0	0.0
Transportation of passengers.....	ID5	31221	0.148	0.7	-3.9	0.2	0.2	-1.0	1.5
Transportation and warehousing of goods.....	ID5	31222	2.755	0.4	0.3	-0.2	1.5	-1.0	0.0
Services less trade, transportation, and warehousing.....	ID5	3121	1.464	2.6	0.3	0.2	0.0	-0.1	0.3
Inputs to stage 3 services producers.....	ID5	32	55.201	-0.5	-0.9	-0.1	0.8	-0.6	-0.6
Goods.....	ID5	321	9.933	-16.5	-7.4	-1.3	3.4	-1.5	-5.3
Foods.....	ID5	3211	0.089	-2.7	0.2	-0.2	0.9	-0.7	-1.0
Energy.....	ID5	3212	5.844	-26.7	-12.2	-2.3	6.1	-2.5	-9.1
Goods excluding foods and energy.....	ID5	3213	4.000	1.5	0.2	0.0	-0.1	0.0	0.0
Services.....	ID5	322	44.663	3.6	0.6	0.2	0.2	-0.4	0.4
Trade services.....	ID5	3223	2.808	1.5	1.3	3.7	-1.0	-1.1	0.0
Transportation and warehousing services.....	ID5	3222	10.562	6.4	1.4	-0.2	0.7	0.1	0.5
Transportation of passengers.....	ID5	32221	0.021	0.0	-0.2	-0.1	0.0	0.0	0.1
Transportation and warehousing of goods.....	ID5	32222	10.541	6.4	1.4	-0.2	0.7	0.1	0.5
Services less trade, transportation, and warehousing.....	ID5	3221	31.293	2.8	0.2	0.0	0.2	-0.5	0.4
Construction.....	ID5	323	0.605	4.6	0.0	0.1	0.2	0.1	0.1
Inputs to stage 3 construction producers.....	ID5	33	1.176	0.9	-0.4	0.4	-0.1	0.4	0.3
Goods.....	ID5	331	0.571	0.5	-0.3	-0.2	-0.5	-0.2	0.4
Goods excluding foods and energy.....	ID5	3313	0.571	0.5	-0.3	-0.2	-0.5	-0.2	0.4
Services.....	ID5	332	0.605	1.3	-0.4	1.0	0.4	1.0	0.2
Trade services.....	ID5	3323	0.558	1.2	-0.5	1.1	0.4	1.1	0.2
Transportation and warehousing services.....	ID5	3322	0.016	2.1	0.3	0.2	0.4	-0.4	0.3
Transportation and warehousing of goods.....	ID5	33222	0.016	2.1	0.3	0.2	0.4	-0.4	0.3
Services less trade, transportation, and warehousing.....	ID5	3321	0.031	1.5	-0.3	0.1	-0.1	-0.1	0.0
<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**  
 [September 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Sept. 2023 to Sept. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Apr. to May	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>
Stage 2 intermediate demand.....	ID5	2	100.000	-2.4	-0.2	0.8	0.6	-1.1	-1.6
Inputs to stage 2 goods producers.....	ID5	21	50.583	-8.1	-0.8	1.1	1.1	-2.4	-3.6
Goods.....	ID5	211	35.955	-12.6	-1.3	1.4	1.8	-3.3	-5.2
Foods.....	ID5	2111	4.053	-13.9	2.7	-0.5	0.0	-2.6	0.7
Energy.....	ID5	2112	16.236	-24.1	-4.0	2.9	3.0	-6.3	-12.0
Goods excluding foods and energy.....	ID5	2113	15.666	1.7	0.6	0.2	0.9	-0.1	0.2
Services.....	ID5	212	14.340	3.7	0.4	0.6	-0.4	-0.4	0.5
Trade services.....	ID5	2123	5.608	5.4	0.8	1.4	-0.8	-0.5	0.4
Transportation and warehousing services.....	ID5	2122	4.804	1.7	0.1	0.1	-0.1	-0.5	0.3
Transportation of passengers.....	ID5	21221	0.178	0.6	-3.8	0.2	0.2	-1.0	1.4
Transportation and warehousing of goods.....	ID5	21222	4.626	1.8	0.2	0.1	-0.1	-0.5	0.3
Services less trade, transportation, and warehousing.....	ID5	2121	3.928	3.6	0.1	0.2	-0.1	-0.1	0.8
Construction.....	ID5	213	0.288	4.6	0.0	0.1	0.2	0.1	0.1
Inputs to stage 2 services producers.....	ID5	22	49.417	3.9	0.4	0.4	0.0	0.2	0.4
Goods.....	ID5	221	5.237	-0.9	-0.4	0.0	0.6	0.2	-0.4
Foods.....	ID5	2211	0.050	0.8	1.1	0.7	0.7	0.6	0.3
Energy.....	ID5	2212	0.321	-20.2	-10.2	-0.9	4.4	-1.2	-6.5
Goods excluding foods and energy.....	ID5	2213	4.866	0.5	0.3	0.0	0.3	0.3	0.0
Services.....	ID5	222	43.217	4.5	0.6	0.4	-0.1	0.2	0.5
Trade services.....	ID5	2223	2.365	9.5	4.3	2.9	-1.0	3.5	0.2
Transportation and warehousing services.....	ID5	2222	2.944	7.0	2.6	-0.1	0.3	-2.4	0.5
Transportation of passengers.....	ID5	22221	0.414	0.7	-3.9	0.2	0.2	-1.0	1.5
Transportation and warehousing of goods.....	ID5	22222	2.530	8.1	3.6	-0.2	0.3	-2.6	0.3
Services less trade, transportation, and warehousing.....	ID5	2221	37.908	4.0	0.2	0.3	0.0	0.2	0.5
Construction.....	ID5	223	0.963	4.6	0.0	0.1	0.2	0.1	0.1
<b>Stage 1 Intermediate Demand</b>									
Stage 1 intermediate demand.....	ID5	1	100.000	-0.3	-0.7	0.2	0.6	0.0	-0.5
Inputs to stage 1 goods producers.....	ID5	11	32.332	-1.7	-0.1	-0.1	0.4	-0.3	0.0
Goods.....	ID5	111	23.262	-3.6	-0.2	-0.2	0.4	-0.6	-0.2
Foods.....	ID5	1111	2.768	-10.1	2.5	-0.6	-1.3	-1.6	1.5
Energy.....	ID5	1112	3.428	-11.0	-4.4	0.5	1.1	-1.0	-1.7
Goods excluding foods and energy.....	ID5	1113	17.066	-1.0	0.2	-0.2	0.5	-0.3	-0.1
Services.....	ID5	112	9.069	3.6	0.2	0.2	0.3	0.3	0.3
Trade services.....	ID5	1123	5.496	3.5	0.4	0.2	0.3	0.3	0.4
Transportation and warehousing services.....	ID5	1122	0.607	0.4	-0.3	0.5	0.0	-0.9	0.5
Transportation of passengers.....	ID5	11221	0.104	0.7	-3.9	0.2	0.2	-1.0	1.5
Transportation and warehousing of goods.....	ID5	11222	0.503	0.4	0.4	0.5	0.0	-0.9	0.3
Services less trade, transportation, and warehousing.....	ID5	1121	2.966	4.5	0.1	0.1	0.4	0.5	0.3
Construction.....	ID5	113	0.001	4.6	0.0	0.1	0.2	0.1	0.1
Inputs to stage 1 services producers.....	ID5	12	54.779	0.7	-0.8	0.3	0.7	0.1	-0.7
Goods.....	ID5	121	16.052	-4.8	-3.2	-0.2	1.3	0.3	-2.0
Foods.....	ID5	1211	0.064	25.3	-6.1	7.5	5.1	16.6	-5.7
Energy.....	ID5	1212	4.999	-17.2	-10.0	-0.9	3.8	-0.2	-6.6
Goods excluding foods and energy.....	ID5	1213	10.989	1.7	0.2	0.0	0.1	0.4	0.1
Services.....	ID5	122	38.724	3.1	0.2	0.6	0.5	0.0	-0.1
Trade services.....	ID5	1223	3.825	2.6	1.0	2.0	0.3	-0.5	0.2
Transportation and warehousing services.....	ID5	1222	4.432	3.2	-0.9	-0.1	0.5	0.6	0.5
Transportation of passengers.....	ID5	12221	1.355	0.7	-3.9	0.2	0.2	-1.0	1.5
Transportation and warehousing of goods.....	ID5	12222	3.077	4.3	0.4	-0.2	0.7	1.3	0.1
Services less trade, transportation, and warehousing.....	ID5	1221	30.467	3.1	0.2	0.5	0.6	0.0	-0.3
Construction.....	ID5	123	0.003	4.6	0.0	0.1	0.2	0.1	0.1
Inputs to stage 1 construction producers.....	ID5	13	12.891	-1.0	-1.2	-0.1	0.6	0.3	-0.6
Goods.....	ID5	131	9.196	-1.7	-1.6	-0.4	0.6	0.3	-1.0
Energy.....	ID5	1312	0.752	-30.8	-18.7	-2.4	9.0	0.8	-13.2
Goods excluding foods and energy.....	ID5	1313	8.444	1.5	0.1	-0.2	0.0	0.3	0.1
Services.....	ID5	132	3.695	0.9	-0.1	0.6	0.7	0.2	0.3
Trade services.....	ID5	1323	2.816	1.3	-0.2	0.8	0.4	0.6	0.4
Transportation and warehousing services.....	ID5	1322	0.783	-0.8	0.2	-0.2	1.8	-1.4	-0.2
Transportation and warehousing of goods.....	ID5	13222	0.783	-0.8	0.2	-0.2	1.8	-1.4	-0.2
Services less trade, transportation, and warehousing.....	ID5	1321	0.096	3.4	0.3	0.8	-0.2	0.8	-0.1
<b>Special Groupings of Intermediate Demand by Production Flow</b>									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	46.013	-0.3	-0.3	-0.1	0.2	0.0	0.1
Total services inputs to stage 4 intermediate demand.....	ID5	9412	53.934	3.6	0.0	0.3	0.7	-0.1	0.1
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.053	4.6	0.0	0.1	0.2	0.1	0.1
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.229	-0.2	0.7	-0.4	1.0	-0.8	1.9

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Sept. 2023 to Sept. 2024 <sup>p</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Apr. to May	May to June <sup>p</sup>	June to July <sup>p</sup>	July to Aug. <sup>p</sup>	Aug. to Sept. <sup>p</sup>
Total energy goods inputs to stage 4 intermediate demand.....	ID5	9415	4.941	-8.6	-4.4	-0.2	0.5	-0.4	-2.3
Total goods less foods and energy inputs to stage 4 intermediate demand. ....	ID5	9416	35.843	0.9	0.2	-0.1	0.0	0.1	0.2
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	44.230	-3.7	-1.2	-0.3	1.2	-0.5	-0.9
Total services inputs to stage 3 intermediate demand.....	ID5	9312	55.164	3.2	0.5	0.2	0.3	-0.4	0.4
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.605	4.6	0.0	0.1	0.2	0.1	0.1
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	10.128	3.8	2.1	0.7	2.4	0.6	2.0
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	7.005	-25.4	-11.0	-2.1	5.1	-2.2	-8.6
Total goods less foods and energy inputs to stage 3 intermediate demand. ....	ID5	9316	27.097	0.1	0.2	-0.3	-0.1	-0.5	-0.2
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	41.192	-11.2	-1.2	1.2	1.6	-2.8	-4.6
Total services inputs to stage 2 intermediate demand.....	ID5	9212	57.557	4.3	0.5	0.5	-0.1	0.0	0.5
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	1.251	4.6	0.0	0.1	0.2	0.1	0.1
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	4.103	-13.8	2.7	-0.5	0.1	-2.5	0.7
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	16.557	-24.1	-4.1	2.8	3.0	-6.2	-11.9
Total goods less foods and energy inputs to stage 2 intermediate demand. ....	ID5	9216	20.532	1.4	0.5	0.2	0.7	0.0	0.1
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	48.510	-3.7	-1.5	-0.2	0.7	-0.1	-0.9
Total services inputs to stage 1 intermediate demand.....	ID5	9112	51.488	3.0	0.2	0.5	0.5	0.1	0.0
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.004	4.6	0.0	0.1	0.2	0.1	0.1
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	2.832	-9.3	2.3	-0.4	-1.1	-1.1	1.3
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	9.179	-16.2	-8.8	-0.5	3.2	-0.4	-5.4
Total goods less foods and energy inputs to stage 1 intermediate demand. ....	ID5	9116	36.499	0.4	0.2	-0.1	0.2	0.0	0.0

<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**  
[September 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		Sept. 2023 to Sept. 2024 <sup>P</sup>	Apr. to May	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	1.8	0.0	0.3	0.0	0.2	0.0
Final demand goods.....	FD	41	-1.1	-0.8	-0.3	0.6	0.0	-0.2
Final demand foods.....	FD	411	3.2	-0.1	0.1	0.6	0.2	1.0
Fresh fruits and melons <sup>2</sup> .....	01	11	4.6	-2.1	-6.3	10.3	-2.9	8.3
Fresh and dry vegetables <sup>2</sup> .....	01	13	7.7	3.1	-4.4	-5.4	2.5	-2.5
Grains.....	01	2	-18.4	8.1	-2.1	-6.3	-1.2	4.8
Eggs for fresh use <sup>2</sup> .....	01	7107	121.3	-34.8	55.9	-8.9	55.1	-6.2
Oilseeds.....	01	8301	-24.5	4.7	-3.2	-2.0	-6.6	1.6
Bakery products <sup>2</sup> .....	02	11	0.7	0.0	-0.1	0.1	0.1	-0.2
Milled rice <sup>2</sup> .....	02	13	-3.9	0.2	0.4	-0.2	-0.2	-0.8
Pasta products <sup>2</sup> .....	02	1402	-1.3	0.0	0.0	0.0	0.0	-0.1
Beef and veal.....	02	2101	-0.1	-1.6	2.0	7.7	-7.6	1.5
Pork.....	02	2104	13.1	2.1	-3.1	1.8	-2.1	1.3
Processed young chickens.....	02	2203	16.7	-3.1	2.0	-0.9	1.6	9.9
Processed turkeys <sup>2</sup> .....	02	2206	-5.2	1.2	-2.2	-0.3	-0.3	1.3
Finfish and shellfish.....	02	23	-0.7	-0.6	-5.1	0.3	0.7	0.0
Dairy products <sup>2</sup> .....	02	3	7.8	2.0	1.6	1.3	0.8	1.5
Processed fruits and vegetables <sup>2</sup> .....	02	4	2.3	0.4	0.3	0.9	-0.4	0.6
Confectionery end products <sup>2</sup> .....	02	55	6.1	0.0	0.2	0.5	1.7	1.3
Soft drinks <sup>2</sup> .....	02	62	3.8	0.3	-0.3	-0.3	1.2	-0.8
Roasted coffee <sup>2</sup> .....	02	6301	6.5	0.6	0.8	3.1	2.5	0.6
Shortening and cooking oils <sup>2</sup> .....	02	78	-5.7	-3.2	-0.3	0.7	-1.1	1.1
Frozen specialty food <sup>2</sup> .....	02	85	1.3	0.3	-0.2	-0.4	0.7	0.1
Final demand energy.....	FD	412	-13.8	-4.6	-2.0	1.7	-1.0	-2.7
Liquefied petroleum gas <sup>2</sup> .....	05	32	-16.1	-3.2	-0.9	-1.7	-6.7	-0.2
Residential electric power.....	05	41	2.5	0.1	-0.3	-0.7	-1.2	2.0
Residential natural gas.....	05	51	1.3	0.3	1.8	0.9	-1.4	1.6
Gasoline.....	05	71	-25.7	-7.3	-5.2	2.8	0.5	-5.6
Home heating oil and distillates.....	05	7302	-35.1	-6.1	-3.7	8.6	-3.0	-11.1
No. 2 diesel fuel.....	05	7303	-36.1	-23.7	-3.3	12.4	1.7	-17.6
Final demand goods less foods and energy.....	FD	413	2.0	0.2	0.0	0.2	0.2	0.2
Alcoholic beverages.....	02	61	0.2	-0.1	0.3	0.3	-0.1	-0.5
Pet food <sup>2</sup> .....	02	9402	0.0	0.0	0.0	-0.2	0.0	0.0
Women's, girls', and infants' apparel <sup>2</sup> .....	03	8106	1.6	0.0	0.3	0.0	0.0	0.0
Men's and boys' apparel <sup>2</sup> .....	03	8107	0.2	0.3	-0.2	0.2	-0.3	-0.3
Textile housefurnishings <sup>2</sup> .....	03	82	1.5	0.6	0.0	-0.1	0.0	0.0
Footwear <sup>2</sup> .....	04	3	1.8	0.0	0.0	0.1	-0.1	0.0
Industrial chemicals.....	06	1	-0.9	-0.8	0.0	2.6	0.3	-1.0
Pharmaceutical preparations.....	06	38	1.8	0.2	0.1	0.2	0.5	0.2
Soaps and detergents <sup>2</sup> .....	06	71	1.4	0.1	0.0	0.0	-0.6	0.0
Cleaning and polishing products <sup>2</sup> .....	06	72	0.9	0.0	0.0	0.1	0.2	0.0
Cosmetics and other toiletries <sup>2</sup> .....	06	75	1.5	0.1	0.0	0.0	0.4	0.0
Tires <sup>2</sup> .....	07	1201	-0.5	-0.5	-0.3	0.2	0.0	0.2
Consumer, institutional, and commercial products, n.e.c. <sup>2</sup> .....	07	2B	1.3	-0.5	0.3	0.2	0.2	0.6
Sanitary paper products <sup>2</sup> .....	09	1501	0.9	0.2	0.0	0.4	0.1	3.5
Iron and steel scrap.....	10	12	-5.6	2.8	0.1	5.5	2.1	-0.1
Agricultural machinery and equipment <sup>2</sup> .....	11	1	0.2	-0.1	0.0	-0.5	-0.2	0.2
Construction machinery and equipment <sup>2</sup> .....	11	2	2.0	0.1	0.1	0.2	-0.1	-0.1
Metal cutting machine tools <sup>2</sup> .....	11	37	0.5	0.2	0.0	0.0	0.0	0.0
Metal forming machine tools.....	11	38	1.8	-1.5	0.5	0.7	0.2	-0.9
Tools, dies, jigs, fixtures, and industrial molds <sup>2</sup> .....	11	39	4.6	0.2	0.0	0.4	0.0	0.0
Pumps, compressors, and equipment <sup>2</sup> .....	11	41	4.3	0.4	-0.1	0.4	0.3	0.1
Industrial material handling equipment <sup>2</sup> .....	11	44	4.0	0.1	0.1	0.0	0.0	0.0
Electronic computers and computer equipment <sup>2</sup> .....	11	5	2.4	-0.8	-0.1	-0.9	1.4	1.6
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	2.1	0.0	0.0	0.0	0.0	0.1
Printing trades machinery and equipment <sup>2</sup> .....	11	65	3.2	0.2	-0.1	0.3	0.0	1.3
Transformers and power regulators <sup>2</sup> .....	11	74	2.6	0.0	0.6	0.1	0.0	0.0
Communication and related equipment.....	11	76	5.4	0.4	0.2	0.1	0.1	1.0
Electronic components and accessories.....	11	78	-0.3	-0.1	-0.1	-1.1	0.0	0.2
X-ray and electromedical equipment <sup>2</sup> .....	11	7905	1.0	0.0	0.0	0.3	0.0	0.0
Oil field and gas field machinery <sup>2</sup> .....	11	91	3.6	0.1	0.4	0.0	0.0	0.0
Mining machinery and equipment <sup>2</sup> .....	11	92	6.4	0.2	0.5	0.7	0.0	0.0
Internal combustion engines <sup>2</sup> .....	11	94	2.8	0.1	0.0	0.3	0.0	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**  
 [September 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		Sept. 2023 to Sept. 2024 <sup>P</sup>	Apr. to May	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>
Household furniture <sup>2</sup> .....	12	1	0.4	0.5	0.2	0.1	0.0	0.5
Commercial furniture <sup>2</sup> .....	12	2	2.9	0.3	0.2	-0.1	0.4	0.3
Floor coverings <sup>2</sup> .....	12	3	-2.3	-0.4	0.9	-0.1	-1.2	0.0
Household appliances <sup>2</sup> .....	12	4	-0.8	-0.1	-0.4	0.0	1.4	-1.8
Home electronic equipment <sup>2</sup> .....	12	5	1.6	-0.4	0.0	0.0	0.0	0.0
Lawn and garden equipment excl. garden tractors <sup>2</sup> .....	12	66	1.8	0.1	0.0	-0.2	0.0	0.1
Passenger cars.....	14	1101	-1.1	-0.3	0.5	-0.2	0.0	0.0
Light motor trucks.....	14	1105	1.2	-0.2	-0.2	0.2	0.3	0.3
Heavy motor trucks <sup>2</sup> .....	14	1106	1.8	-0.2	0.0	0.0	0.0	1.3
Motor vehicles parts <sup>2</sup> .....	14	12	0.9	0.0	0.1	0.2	0.1	0.0
Truck trailers <sup>2</sup> .....	14	14	-0.4	0.0	-0.1	0.4	-0.2	0.0
Travel trailers and campers <sup>2</sup> .....	14	16	-0.4	-0.1	0.1	-0.2	0.0	-0.1
Aircraft.....	14	21	2.2	0.1	0.1	0.2	0.3	0.1
Ships <sup>2</sup> .....	14	31	2.1	0.2	0.2	0.5	0.0	0.3
Railroad equipment <sup>2</sup> .....	14	4	1.0	0.2	0.0	-1.1	0.4	0.9
Toys, games, and children's vehicles <sup>2</sup> .....	15	11	0.6	0.0	0.0	0.0	0.4	0.0
Sporting and athletic goods <sup>2</sup> .....	15	12	5.6	0.1	-0.1	0.0	0.0	0.0
Cigarettes <sup>2</sup> .....	15	21	12.7	3.3	0.0	0.0	2.3	0.5
Mobile homes.....	15	5	1.6	-0.1	-0.4	0.2	0.9	0.8
Medical, surgical & personal aid devices.....	15	6	2.3	0.2	0.1	0.0	-0.1	0.0
Jewelry, platinum and karat gold <sup>2</sup> .....	15	9402	9.4	1.0	-1.4	1.0	0.4	0.8
Costume jewelry and novelties <sup>2</sup> .....	15	9404	1.9	-1.1	2.0	0.0	0.0	0.4
Final demand services.....	FD	42	3.1	0.4	0.6	-0.2	0.4	0.2
Final demand trade services <sup>3</sup> .....	FD	423	1.5	0.8	1.9	-1.8	0.7	0.2
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	5.4	0.3	-3.4	4.9	0.0	-0.2
Machinery and vehicle wholesaling <sup>2</sup> .....	57	1103	11.0	-3.6	5.4	-6.3	4.2	1.0
Professional and commercial equipment wholesaling <sup>2</sup> .....	57	1104	-2.0	-4.1	1.2	1.7	4.5	-6.3
Furnishings wholesaling <sup>2</sup> .....	57	2	0.9	-0.7	0.9	0.1	0.4	0.0
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	7.4	2.0	-0.4	0.2	1.7	0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.4	-0.9	-0.3	1.1	-0.6	-0.2
Apparel wholesaling <sup>2</sup> .....	57	7	-1.9	0.5	0.7	0.0	-1.3	6.5
Food and alcohol wholesaling <sup>2</sup> .....	57	8	6.7	-0.2	1.1	-1.3	-1.5	0.9
Food and alcohol retailing.....	58	1	-0.7	1.8	0.9	-2.4	-1.9	-0.5
Health, beauty, and optical goods retailing <sup>2</sup> .....	58	2	2.7	1.5	0.7	-0.2	-0.6	0.6
Apparel, jewelry, footwear, and accessories retailing.....	58	3	-4.0	-0.1	0.6	-3.7	2.3	-2.0
Computer hardware, software, and supplies retailing <sup>2</sup> .....	58	4	14.2	5.5	20.7	10.3	8.5	3.1
TV, video, and photographic equipment and supplies retailing.....	58	5	-7.8	6.7	-9.6	1.5	-5.3	4.2
Automobiles retailing (partial).....	58	6101	-34.1	5.8	-5.9	-5.0	-3.3	2.0
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	2.1	0.8	2.9	0.4	1.4	0.3
RVs, trailers, and campers retailing <sup>2</sup> .....	58	8	6.4	26.2	-16.2	9.6	-1.5	-2.7
Sporting goods, including boats, retailing.....	58	9	-2.8	-1.4	2.0	-6.3	3.4	-5.7
Lawn, garden, and farm equipment and supplies retailing <sup>2</sup> .....	58	A	1.0	0.7	0.4	-0.2	1.7	0.1
Furniture retailing <sup>2</sup> .....	58	B	-0.7	-1.8	1.0	0.0	2.5	6.1
Flooring and floor coverings retailing <sup>2</sup> .....	58	C	6.7	3.9	1.2	-1.5	0.7	0.6
Hardware, building materials, and supplies retailing.....	58	D	-0.2	-2.2	0.9	0.4	2.9	-0.6
Major household appliances retailing.....	58	E	-0.6	3.1	1.7	0.2	-3.5	11.4
Fuels and lubricants retailing.....	58	F	27.5	13.0	5.3	-4.7	14.9	0.7
Cleaning supplies and paper products retailing <sup>2</sup> .....	58	G	2.2	1.7	0.5	-1.2	-0.1	2.7
Book retailing <sup>2</sup> .....	58	H	1.7	-0.3	2.9	1.7	-2.9	1.6
Final demand transportation and warehousing services.....	FD	422	0.4	-0.8	-0.1	1.2	-0.9	0.3
Rail transportation of freight and mail <sup>2</sup> .....	30	11	3.0	0.2	0.0	0.6	-0.1	0.3
Truck transportation of freight <sup>2</sup> .....	30	12	-0.9	0.2	-0.3	1.9	-1.4	-0.2
Air transportation of freight <sup>2</sup> .....	30	14	-1.4	-1.7	0.5	-0.9	-0.4	0.4
Courier, messenger, and U.S. postal services.....	30	16	5.8	0.4	0.0	0.4	2.1	0.3
Rail transportation of passengers.....	30	21	0.0	0.0	-0.1	0.0	0.1	0.0
Airline passenger services.....	30	22	0.7	-3.9	0.2	0.2	-1.0	1.5
Final demand services less trade, transportation, and warehousing.....	FD	421	4.1	0.3	0.1	0.3	0.4	0.1
Sales of books.....	33	11	7.9	0.7	0.1	1.0	0.6	0.4
Sales and subscriptions of periodicals and newspapers.....	33	12	4.2	0.2	1.8	0.1	0.7	0.1
Application software publishing <sup>2</sup> .....	34	2	2.7	1.5	0.1	-1.8	-1.2	1.7
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-1.8	-0.4	0.0	0.0	-1.7	0.0
Residential wired telecommunication services <sup>2</sup> .....	37	11	4.0	0.6	-0.2	-0.1	0.1	-0.1
Wireless telecommunication services.....	37	2	0.9	0.7	0.1	0.1	-0.7	0.1
Cable and satellite subscriber services.....	37	3	-0.8	0.7	0.5	-1.4	-0.7	-1.2
Internet access services <sup>2</sup> .....	37	4	4.3	0.1	-0.1	1.3	1.3	-1.1

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**  
 [September 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		Sept. 2023 to Sept. 2024 <sup>P</sup>	Apr. to May	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	6.4	-0.5	-0.3	0.6	0.6	-0.8
Consumer loans (partial).....	39	12	1.8	-0.6	-9.0	-0.8	5.9	-4.8
Deposit services (partial) <sup>2</sup> .....	39	2	20.9	0.3	4.7	0.5	-0.2	3.0
Other credit intermediation, incl. trust services (partial) <sup>2</sup> .....	39	3	-6.1	0.8	0.0	0.1	-1.2	0.0
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> ...	40	1	6.0	-0.2	1.5	1.8	0.4	-2.3
Portfolio management <sup>2</sup> .....	40	2	11.0	-1.5	1.2	2.0	0.1	0.3
Life insurance <sup>2</sup> .....	41	1101	-0.4	0.3	0.0	0.0	0.7	0.0
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	4.6	0.2	0.2	0.1	0.5	0.2
Property and casualty insurance <sup>2</sup> .....	41	1104	6.7	1.1	0.2	0.2	0.3	0.9
Annuities <sup>2</sup> .....	41	2	2.6	-0.2	0.0	0.2	0.0	0.1
Residential property sales and leases, brokerage fees and commissions..	43	21	3.3	0.5	0.5	0.3	0.0	0.4
Passenger car rental.....	44	1	2.0	-0.9	4.5	0.6	-4.2	3.6
Legal services.....	45	1	7.5	0.3	0.1	0.5	0.5	-0.3
Tax preparation and planning.....	45	2102	2.0	3.0	-3.5	-0.2	0.0	-0.5
Architectural and engineering services.....	45	3	2.6	0.2	0.3	-0.1	0.2	0.3
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	-0.5	0.6	2.9	-4.1	0.1	0.1
Arrangement of flights (partial).....	47	1	-8.2	0.0	-1.5	3.4	-0.7	0.0
Arrangement of vehicle rentals and lodging <sup>2</sup> .....	47	2	13.1	0.0	0.0	3.7	-0.1	0.0
Arrangement of cruises and tours <sup>2</sup> .....	47	3	-0.4	0.9	-0.9	0.1	0.2	1.2
Physician care.....	51	1101	1.6	0.2	0.2	-0.1	0.0	0.0
Medical laboratory and diagnostic imaging care <sup>2</sup> .....	51	1102	0.2	0.0	0.0	0.0	-0.1	0.0
Home health and hospice care.....	51	1103	1.4	0.1	0.2	0.4	0.1	0.0
Hospital outpatient care <sup>2</sup> .....	51	1104	3.7	0.3	0.1	0.2	0.7	0.1
Dental care.....	51	1105	4.4	0.6	0.2	0.0	0.0	0.0
Hospital inpatient care.....	51	2101	4.5	0.6	0.4	0.2	0.3	0.3
Nursing home care.....	51	2102	3.3	0.2	0.0	1.4	0.6	0.3
Traveler accommodation services.....	53	11	2.1	3.4	-0.7	-3.0	3.4	1.3
Food and beverages for immediate consumption services (partial) <sup>2</sup> .....	54	1	3.5	-0.6	0.5	0.2	-0.4	0.5
Motor vehicle repair and maintenance (partial) <sup>2</sup> .....	55	2	5.5	0.4	0.2	0.4	0.7	0.2
Membership dues and admissions and recreation facility use fees (partial) <sup>2</sup> .....	56	1	3.4	-2.3	-3.1	2.0	-2.6	2.3
Recreational activity instruction fees (partial) <sup>2</sup> .....	56	2	7.2	0.0	6.6	0.0	0.0	0.0
Gaming receipts (partial) <sup>2</sup> .....	56	3	1.4	1.4	-0.7	-1.7	1.0	0.6
Mining services <sup>2</sup> .....	60	1	2.9	0.0	-1.0	0.3	1.2	0.3
Final demand construction.....	FD	43	1.3	0.0	0.3	0.7	0.0	0.1
New warehouse building construction <sup>2</sup> .....	80	1101	0.1	0.0	-0.1	0.1	-0.1	0.0
New school building construction <sup>2</sup> .....	80	1102	1.8	-0.2	0.1	1.4	0.0	0.1
New office building construction <sup>2</sup> .....	80	1103	2.3	0.0	1.1	1.2	-0.3	0.3
New industrial building construction <sup>2</sup> .....	80	1104	0.2	0.4	0.1	0.0	0.0	0.1
New health care building construction <sup>2</sup> .....	80	1105	0.3	0.0	0.0	0.3	0.4	-0.1
<b>Intermediate Demand by Commodity Type</b>								
Processed goods for intermediate demand.....	ID6	1	-2.7	-1.4	-0.1	0.6	-0.2	-0.8
Processed foods and feeds.....	ID6	9112	1.1	0.4	0.7	1.5	-0.2	0.9
Meats.....	02	21	4.3	-0.4	0.1	4.2	-4.0	1.5
Processed poultry.....	02	22	6.3	0.7	-2.4	-0.9	0.9	8.8
Dairy products <sup>2</sup> .....	02	3	7.8	2.0	1.6	1.3	0.8	1.5
Processed fruits and vegetables <sup>2</sup> .....	02	4	2.3	0.4	0.3	0.9	-0.4	0.6
Refined sugar and byproducts <sup>2</sup> .....	02	53	16.3	0.4	-0.3	0.1	-0.3	-0.7
Fats and oils <sup>2</sup> .....	02	7	-10.4	-2.4	0.2	2.4	-3.0	-0.8
Prepared animal feeds.....	02	9	-7.7	1.0	0.3	0.7	-1.0	0.0
Processed materials less foods and feeds.....	ID6	9111	-3.0	-1.6	-0.2	0.6	-0.2	-1.0
Synthetic fibers <sup>2</sup> .....	03	1	-1.1	3.4	-2.1	-1.0	0.4	-2.9
Processed yarns and threads <sup>2</sup> .....	03	2	-0.5	-0.4	-0.1	-0.5	0.1	0.1
Finished fabrics <sup>2</sup> .....	03	4	0.5	-0.3	0.3	0.1	0.1	0.1
Liquefied petroleum gas <sup>2</sup> .....	05	32	-16.1	-3.2	-0.9	-1.7	-6.7	-0.2
Commercial electric power.....	05	42	1.2	-0.8	0.7	-1.4	-1.0	0.3
Industrial electric power.....	05	43	0.7	-2.5	1.4	-0.6	0.1	-0.2
Commercial natural gas.....	05	52	-0.6	-4.0	2.4	-0.1	-3.6	0.7
Industrial natural gas.....	05	53	-6.1	-3.7	1.2	3.2	-5.3	0.5
Natural gas to electric utilities.....	05	54	-2.1	-3.4	4.0	1.9	-3.6	-1.3
Gasoline.....	05	71	-25.7	-7.3	-5.2	2.8	0.5	-5.6
Jet fuel <sup>2</sup> .....	05	7203	-32.5	-6.2	-3.5	5.8	-10.5	-6.1
No. 2 diesel fuel.....	05	7303	-36.1	-23.7	-3.3	12.4	1.7	-17.6
Residual fuels <sup>2</sup> .....	05	74	-2.3	9.0	-1.7	2.4	-4.4	-1.6

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**  
 [September 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		Sept. 2023 to Sept. 2024 <sup>P</sup>	Apr. to May	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>
Finished lubricants <sup>2</sup> .....	05	76	-0.1	0.0	-0.1	-0.1	0.1	-0.1
Lubricating oil base stocks <sup>2</sup> .....	05	78	0.5	4.4	2.4	1.6	-6.8	-0.6
Asphalt.....	05	8102	-18.5	3.9	-3.0	-3.0	-3.2	-14.6
Basic inorganic chemicals <sup>2</sup> .....	06	13	-3.7	0.6	0.1	-1.0	0.0	0.3
Basic organic chemicals.....	06	14	-0.3	-1.1	0.0	3.5	0.4	-1.3
Prepared paint <sup>2</sup> .....	06	21	0.0	0.1	0.1	0.2	0.2	0.2
Paint materials <sup>2</sup> .....	06	22	-2.7	-1.7	0.2	-0.1	0.0	3.2
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	5.4	0.0	-0.2	0.1	-0.2	0.2
Biological products, including diagnostics.....	06	37	2.8	-0.1	0.0	-0.1	1.0	0.4
Fats and oils, inedible <sup>2</sup> .....	06	4	-5.1	-1.6	0.6	1.5	-0.6	0.0
Nitrogenates.....	06	5201	3.5	-0.9	-1.5	3.3	2.4	1.9
Phosphates.....	06	5202	13.0	-6.4	4.7	1.7	-0.4	2.5
Other agricultural chemicals <sup>2</sup> .....	06	53	0.4	0.2	0.5	0.0	0.0	0.0
Plastic resins and materials.....	06	6	-1.7	-0.5	-0.6	1.4	-0.7	-2.4
Industrial gases <sup>2</sup> .....	06	7903	3.2	0.4	0.7	0.0	0.6	0.4
Adhesives and sealants <sup>2</sup> .....	06	7904	1.2	0.1	-0.2	0.1	0.8	0.0
Synthetic rubber <sup>2</sup> .....	07	1102	12.8	1.6	1.3	-0.5	-0.4	0.5
Tires <sup>2</sup> .....	07	1201	-0.5	-0.5	-0.3	0.2	0.0	0.2
Plastic construction products <sup>2</sup> .....	07	21	-0.3	-0.3	-0.2	0.1	0.2	-0.4
Unsupported plastic film, sheet, other shapes <sup>2</sup> .....	07	22	3.0	0.5	-0.2	0.5	0.7	0.0
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	1.0	0.0	0.0	-0.4	1.0	0.0
Plastic packaging products <sup>2</sup> .....	07	2A	-0.1	-0.3	0.1	-0.5	-0.4	0.3
Softwood lumber.....	08	11	-2.2	-5.0	3.3	-1.0	2.7	4.0
Hardwood lumber <sup>2</sup> .....	08	12	1.8	0.8	0.3	0.4	-0.2	-0.2
Millwork.....	08	2	0.8	-0.6	0.1	-0.3	0.3	0.1
Plywood <sup>2</sup> .....	08	3	-5.0	-2.2	-1.4	-2.0	-1.0	0.3
Paper <sup>2</sup> .....	09	13	1.3	0.4	-0.1	0.1	0.5	0.1
Paperboard <sup>2</sup> .....	09	14	2.4	0.3	0.3	0.5	1.6	0.5
Paper boxes and containers <sup>2</sup> .....	09	1503	2.2	0.8	-0.2	0.4	1.2	0.6
Building paper and board <sup>2</sup> .....	09	2	-27.4	-12.9	-4.6	-13.2	-1.4	-0.8
Commercial printing <sup>2</sup> .....	09	47	1.9	0.1	0.3	0.3	0.2	0.0
Foundry and forge shop products <sup>2</sup> .....	10	15	0.1	-1.0	0.8	-1.0	-0.1	-0.1
Steel mill products <sup>2</sup> .....	10	17	-12.3	0.3	-1.8	-3.2	-2.6	-1.3
Primary nonferrous metals <sup>2</sup> .....	10	22	8.8	5.0	0.7	-0.2	-2.2	0.5
Secondary nonferrous metals <sup>2</sup> .....	10	24	8.3	4.2	0.3	0.6	-0.3	0.0
Aluminum mill shapes <sup>2</sup> .....	10	2501	2.7	4.4	2.3	0.6	-2.2	-0.9
Copper and brass mill shapes <sup>2</sup> .....	10	2502	10.9	4.5	2.1	-1.5	-1.9	1.1
Nonferrous wire and cable <sup>2</sup> .....	10	26	6.0	6.1	-0.4	-1.7	-2.8	0.0
Nonferrous foundry shop products.....	10	28	4.6	1.0	0.8	0.3	-0.1	0.0
Metal containers <sup>2</sup> .....	10	3	-0.4	0.2	0.2	0.7	-0.3	0.0
Hardware <sup>2</sup> .....	10	4	-0.5	0.2	0.0	0.0	0.1	0.0
Plumbing fixtures and brass fittings.....	10	5	1.9	0.1	0.1	0.5	0.6	0.0
Heating equipment <sup>2</sup> .....	10	6	3.1	0.3	0.1	0.0	0.1	0.0
Fabricated structural metal products.....	10	7	-0.1	0.0	-0.7	0.3	0.9	0.5
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	4.2	-0.6	0.1	0.0	0.2	-0.1
Lighting fixtures <sup>2</sup> .....	10	83	2.0	0.6	0.1	0.0	0.1	0.0
Fabricated ferrous wire products.....	10	88	2.9	-0.4	3.3	-0.1	-0.5	-0.1
Other miscellaneous metal products <sup>2</sup> .....	10	89	2.4	0.7	0.5	0.1	0.2	-0.4
Fluid power equipment <sup>2</sup> .....	11	43	6.3	0.4	0.0	0.0	2.9	0.0
Mechanical power transmission equipment <sup>2</sup> .....	11	45	3.8	0.2	0.4	0.7	0.1	0.0
Air conditioning and refrigeration equipment.....	11	48	2.2	0.7	-0.7	0.3	1.9	-1.1
Metal valves, except fluid power.....	11	4902	2.0	0.0	0.1	-0.5	-0.1	1.3
Ball and roller bearings <sup>2</sup> .....	11	4905	3.1	-0.2	0.0	0.1	0.0	-0.1
Wiring devices <sup>2</sup> .....	11	71	-1.8	0.3	0.0	-0.1	-0.8	-0.4
Motors, generators, motor generator sets <sup>2</sup> .....	11	73	1.8	0.0	0.0	0.7	0.0	-0.4
Switchgear, switchboard, and industrial controls equip. <sup>2</sup> .....	11	75	7.3	0.6	1.9	0.5	-0.3	0.3
Electronic components and accessories.....	11	78	-0.3	-0.1	-0.1	-1.1	0.0	0.2
Internal combustion engines <sup>2</sup> .....	11	94	2.8	0.1	0.0	0.3	0.0	0.0
Machine shop products <sup>2</sup> .....	11	95	1.9	0.1	0.1	0.2	0.7	0.0
Flat glass <sup>2</sup> .....	13	11	3.1	0.3	-0.5	0.4	0.3	1.0
Cement.....	13	22	5.3	0.7	0.2	-0.2	0.2	0.2
Concrete products.....	13	3	4.1	0.2	0.0	0.3	0.4	0.3
Asphalt felts and coatings <sup>2</sup> .....	13	6	0.7	2.3	-0.4	0.3	-1.0	0.8
Paving mixtures and blocks.....	13	94	2.6	-1.1	-0.2	0.5	-0.3	0.0
Motor vehicle parts <sup>2</sup> .....	14	12	0.9	0.0	0.1	0.2	0.1	0.0
Aircraft engines and engine parts.....	14	23	4.1	0.3	0.2	0.3	0.1	0.3

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**  
 [September 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		Sept. 2023 to Sept. 2024 <sup>P</sup>	Apr. to May	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	2.9	0.1	0.3	0.3	0.2	0.0
Medical, surgical, and personal aid devices.....	15	6	2.3	0.2	0.1	0.0	-0.1	0.0
Unprocessed goods for intermediate demand.....	ID6	2	-9.5	0.0	0.5	2.1	-3.1	-3.2
Unprocessed foodstuffs and feedstuffs.....	ID6	21	0.1	2.8	-1.3	2.0	-1.3	2.7
Wheat <sup>2</sup> .....	01	21	-19.7	18.3	-9.8	-11.0	-5.0	4.5
Corn.....	01	2202	-18.5	6.8	-0.2	-5.5	0.0	4.8
Slaughter cattle.....	01	31	3.3	5.6	-1.3	3.9	-3.0	-1.8
Slaughter hogs.....	01	32	-0.1	-10.8	-14.9	1.6	-6.6	11.7
Slaughter chickens.....	01	4102	11.0	-2.6	2.7	8.9	5.5	5.3
Slaughter turkeys.....	01	42	-17.1	8.1	-9.1	8.2	-16.9	11.7
Raw milk.....	01	6	13.9	9.9	5.0	2.3	1.7	0.0
Hay and hayseeds <sup>2</sup> .....	01	81	-13.1	28.1	-17.3	4.2	-29.2	29.8
Oilseeds.....	01	8301	-24.5	4.7	-3.2	-2.0	-6.6	1.6
Raw cane sugar and byproducts <sup>2</sup> .....	02	5201	-1.4	0.1	-0.9	-0.1	-1.6	-2.1
Unprocessed nonfood materials.....	ID6	22	-15.1	-1.6	1.6	2.1	-4.3	-6.9
Raw cotton <sup>2</sup> .....	01	51	-22.0	-15.6	-1.3	-6.4	0.2	3.6
Hides and skins.....	04	1	-18.9	3.6	0.1	-5.8	-4.2	-2.2
Coal <sup>2</sup> .....	05	1	6.5	1.1	-2.1	0.2	3.5	-2.1
Natural gas <sup>2</sup> .....	05	31	-24.8	17.4	27.7	3.3	-20.7	2.4
Crude petroleum <sup>2</sup> .....	05	61	-27.8	-7.3	-0.3	3.6	-4.6	-16.7
Logs, bolts, timber, pulpwood, and woodchips <sup>2</sup> .....	08	5	-2.9	-0.1	0.1	0.4	0.6	-0.2
Recyclable paper <sup>2</sup> .....	09	12	55.2	2.0	0.7	0.1	-3.4	-2.2
Iron ores <sup>2</sup> .....	10	11	0.3	0.3	-0.7	2.1	0.0	0.0
Iron and steel scrap.....	10	12	-5.6	2.8	0.1	5.5	2.1	-0.1
Nonferrous metal ores <sup>2</sup> .....	10	21	13.5	2.2	-2.9	2.2	-2.0	4.2
Copper base scrap <sup>2</sup> .....	10	2301	6.8	7.6	-4.7	2.2	-9.3	1.1
Aluminum base scrap.....	10	2302	18.0	17.8	7.7	-1.7	-8.6	-0.4
Construction sand, gravel, and crushed stone.....	13	21	7.5	0.0	0.1	1.0	1.0	0.3
Services for intermediate demand.....	ID6	3	3.5	0.3	0.4	0.3	-0.1	0.2
Trade services for intermediate demand <sup>3</sup> .....	ID6	33	3.5	0.6	0.8	0.4	-0.1	0.2
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	5.4	0.3	-3.4	4.9	0.0	-0.2
Building materials, paint, and hardware wholesaling.....	57	3	0.8	-1.0	1.0	2.1	1.6	0.1
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	0.1	-2.0	-2.8	-0.3	-0.7	1.5
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	7.4	2.0	-0.4	0.2	1.7	0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.4	-0.9	-0.3	1.1	-0.6	-0.2
Food wholesaling <sup>2</sup> .....	57	8101	6.9	-0.1	1.3	-1.6	-1.5	1.0
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	2.1	0.8	2.9	0.4	1.4	0.3
Hardware, building material, and supplies retailing.....	58	D	-0.2	-2.2	0.9	0.4	2.9	-0.6
Transportation and warehousing services for intermediate demand.....	ID6	32	3.6	0.5	-0.2	0.7	-0.2	0.3
Rail transportation of freight and mail <sup>2</sup> .....	30	11	3.0	0.2	0.0	0.6	-0.1	0.3
Truck transportation of freight <sup>2</sup> .....	30	12	-0.9	0.2	-0.3	1.9	-1.4	-0.2
Water transportation of freight <sup>2</sup> .....	30	13	1.1	2.1	0.8	0.9	-1.5	0.3
Air transportation of freight <sup>2</sup> .....	30	14	-1.4	-1.7	0.5	-0.9	-0.4	0.4
U.S. Postal Service <sup>2</sup> .....	30	1601	9.4	0.0	0.0	0.0	6.1	0.0
Courier and messenger services, except air mail.....	30	1602	4.2	0.6	0.5	0.3	0.5	0.5
Air mail and package delivery services, excluding by USPS.....	30	1603	3.6	0.6	-0.7	1.2	-0.8	0.6
Pipeline transportation <sup>2</sup> .....	30	17	0.3	0.1	0.0	0.9	-0.1	0.0
Transportation of passengers (partial).....	30	2	0.7	-3.9	0.2	0.2	-1.0	1.5
Services related to water transportation <sup>2</sup> .....	31	1	6.8	0.2	0.1	1.1	0.7	0.0
Arrangement of freight and cargo <sup>2</sup> .....	31	31	26.0	7.4	-0.6	-0.3	0.0	0.0
Warehousing, storage, and related services <sup>2</sup> .....	32	1	0.9	-0.7	-2.7	0.6	-1.0	0.2
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	3.4	0.2	0.5	0.2	-0.1	0.2
Network compensation from broadcast TV, cable TV, radio <sup>2</sup> .....	35	-	0.7	0.0	0.5	0.0	0.0	0.0
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	-2.2	-0.5	0.0	0.0	-2.0	0.0
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	-2.1	-0.2	-1.4	0.1	-5.0	-3.6
Radio advertising time sales.....	36	3	2.9	4.4	-2.0	-8.3	1.6	12.9
Internet advertising sales <sup>2</sup> .....	36	6	14.7	0.0	0.0	0.8	0.0	0.0
Business wired telecommunication services <sup>2</sup> .....	37	12	5.7	1.1	-0.1	0.7	0.2	0.9
Wireless telecommunication services.....	37	2	0.9	0.7	0.1	0.1	-0.7	0.1
Cable and satellite subscriber services.....	37	3	-0.8	0.7	0.5	-1.4	-0.7	-1.2
Bundled wired telecommunication access services <sup>2</sup> .....	37	5	6.4	-0.5	-0.3	0.6	0.6	-0.8
Data processing and related services <sup>2</sup> .....	38	1	1.4	0.4	-0.5	0.2	-0.1	-0.2
Business loans (partial).....	39	11	-0.1	-0.7	0.2	-2.0	0.2	-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**  
 [September 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		Sept. 2023 to Sept. 2024 <sup>P</sup>	Apr. to May	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>
Deposit services (partial) <sup>2</sup> .....	39	2	20.9	0.3	4.7	0.5	-0.2	3.0
Other credit intermediation, incl. trust services (partial) <sup>2</sup> .....	39	3	-6.1	0.8	0.0	0.1	-1.2	0.0
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	6.0	-0.2	1.5	1.8	0.4	-2.3
Portfolio management <sup>2</sup> .....	40	2	11.0	-1.5	1.2	2.0	0.1	0.3
Investment banking <sup>2</sup> .....	40	3	14.0	1.5	1.2	0.2	1.7	2.5
Life insurance <sup>2</sup> .....	41	1101	-0.4	0.3	0.0	0.0	0.7	0.0
Health and medical insurance.....	41	1103	4.6	0.2	0.2	0.1	0.5	0.2
Property and casualty insurance <sup>2</sup> .....	41	1104	6.7	1.1	0.2	0.2	0.3	0.9
Annuities <sup>2</sup> .....	41	2	2.6	-0.2	0.0	0.2	0.0	0.1
Commissions from sales of insurance <sup>2</sup> .....	42	1	2.5	0.0	0.0	0.7	0.0	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	-1.4	-0.8	1.7	1.6	-0.3	-1.3
Nonresidential property sales and leases <sup>2</sup> .....	43	12	-2.0	-0.2	-0.4	1.3	0.5	0.2
Residential property management fees <sup>2</sup> .....	43	22	4.5	0.0	0.8	0.1	-0.2	0.1
Passenger car rental.....	44	1	2.0	-0.9	4.5	0.6	-4.2	3.6
Truck, utility trailer, and RV rental and leasing <sup>2</sup> .....	44	2	1.3	-0.1	-0.1	0.2	2.0	-1.0
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	0.3	-0.7	0.6	-0.3	0.2	-0.2
Legal services.....	45	1	7.5	0.3	0.1	0.5	0.5	-0.3
Accounting services (partial).....	45	2	2.8	1.0	-1.0	0.6	0.7	0.1
Architectural and engineering services.....	45	3	2.6	0.2	0.3	-0.1	0.2	0.3
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	-0.5	0.6	2.9	-4.1	0.1	0.1
Advertising and related services (partial) <sup>2</sup> .....	45	5	0.4	0.6	-0.3	0.0	0.1	-0.3
Permanent placement services <sup>2</sup> .....	46	1	-3.1	1.2	0.2	0.5	-0.4	0.1
Executive search services <sup>2</sup> .....	46	2	1.0	-1.6	2.7	-2.2	2.4	-1.7
Staffing services.....	46	3	2.6	0.1	-0.4	0.7	-0.6	2.7
Security guard services <sup>2</sup> .....	48	1	7.5	-0.1	0.4	0.2	0.0	0.4
Janitorial services <sup>2</sup> .....	49	1	5.5	1.6	0.1	0.2	0.0	0.0
Waste collection.....	50	1	4.6	2.5	0.4	-0.1	-0.7	1.4
Traveler accommodation services.....	53	11	2.1	3.4	-0.7	-3.0	3.4	1.3
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	6.6	1.2	1.0	-0.1	1.3	0.0
Aircraft repair and maintenance.....	55	4	5.6	0.7	0.2	0.1	0.0	0.1
Metal treatment services <sup>2</sup> .....	59	1	2.2	-0.1	-0.2	0.0	-0.4	0.1
Construction for intermediate demand.....	ID6	4	4.6	0.0	0.1	0.2	0.1	0.1
Maintenance and repair of non-residential buildings (partial) <sup>2</sup> .....	80	2	4.6	0.0	0.1	0.2	0.1	0.1
<b>Intermediate Demand by Production Flow</b>								
Stage 4 intermediate demand.....	ID5	4	1.8	-0.1	0.1	0.5	-0.1	0.1
Stage 4 intermediate demand goods.....	ID5	9411	-0.3	-0.3	-0.1	0.2	0.0	0.1
Grains.....	01	2	-18.4	8.1	-2.1	-6.3	-1.2	4.8
Meats.....	02	21	4.3	-0.4	0.1	4.2	-4.0	1.5
Unprocessed and packaged fish.....	02	23	-0.7	-0.6	-5.1	0.3	0.7	0.0
Dairy products <sup>2</sup> .....	02	3	7.8	2.0	1.6	1.3	0.8	1.5
Commercial electric power.....	05	42	1.2	-0.8	0.7	-1.4	-1.0	0.3
Industrial electric power.....	05	43	0.7	-2.5	1.4	-0.6	0.1	-0.2
Gasoline.....	05	71	-25.7	-7.3	-5.2	2.8	0.5	-5.6
No. 2 diesel fuel.....	05	7303	-36.1	-23.7	-3.3	12.4	1.7	-17.6
Basic organic chemicals.....	06	14	-0.3	-1.1	0.0	3.5	0.4	-1.3
Prepared paint <sup>2</sup> .....	06	21	0.0	0.1	0.1	0.2	0.2	0.2
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	5.4	0.0	-0.2	0.1	-0.2	0.2
Biological products, including diagnostics.....	06	37	2.8	-0.1	0.0	-0.1	1.0	0.4
Pharmaceutical preparations.....	06	38	1.8	0.2	0.1	0.2	0.5	0.2
Plastic construction products <sup>2</sup> .....	07	21	-0.3	-0.3	-0.2	0.1	0.2	-0.4
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	3.0	0.5	-0.2	0.5	0.7	0.0
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	1.0	0.0	0.0	-0.4	1.0	0.0
Plastic packaging products <sup>2</sup> .....	07	2A	-0.1	-0.3	0.1	-0.5	-0.4	0.3
Lumber.....	08	1	-0.6	-2.6	2.0	-0.4	1.5	2.2
Millwork.....	08	2	0.8	-0.6	0.1	-0.3	0.3	0.1
Paper boxes and containers <sup>2</sup> .....	09	1503	2.2	0.8	-0.2	0.4	1.2	0.6
Commercial printing <sup>2</sup> .....	09	47	1.9	0.1	0.3	0.3	0.2	0.0
Steel mill products <sup>2</sup> .....	10	17	-12.3	0.3	-1.8	-3.2	-2.6	-1.3
Nonferrous wire and cable <sup>2</sup> .....	10	26	6.0	6.1	-0.4	-1.7	-2.8	0.0
Fabricated structural metal products.....	10	7	-0.1	0.0	-0.7	0.3	0.9	0.5
Other miscellaneous metal products <sup>2</sup> .....	10	89	2.4	0.7	0.5	0.1	0.2	-0.4
Air conditioning and refrigeration equipment.....	11	48	2.2	0.7	-0.7	0.3	1.9	-1.1
Wiring devices <sup>2</sup> .....	11	71	-1.8	0.3	0.0	-0.1	-0.8	-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**  
 [September 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		Sept. 2023 to Sept. 2024 <sup>P</sup>	Apr. to May	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>
Electronic components and accessories.....	11	78	-0.3	-0.1	-0.1	-1.1	0.0	0.2
Miscellaneous electrical machinery and equipment <sup>2</sup> .....	11	79	0.7	0.0	0.0	0.2	0.1	-0.1
Internal combustion engines <sup>2</sup> .....	11	94	2.8	0.1	0.0	0.3	0.0	0.0
Machine shop products <sup>2</sup> .....	11	95	1.9	0.1	0.1	0.2	0.7	0.0
Concrete ingredients and related products.....	13	2	6.9	0.2	0.1	0.6	0.8	0.3
Concrete products.....	13	3	4.1	0.2	0.0	0.3	0.4	0.3
Prepared asphalt, tar roofing and siding products <sup>2</sup> .....	13	61	1.3	2.7	-0.7	0.4	-1.2	0.9
Paving mixtures and blocks.....	13	94	2.6	-1.1	-0.2	0.5	-0.3	0.0
Motor vehicle parts <sup>2</sup> .....	14	12	0.9	0.0	0.1	0.2	0.1	0.0
Aircraft engines and engine parts.....	14	23	4.1	0.3	0.2	0.3	0.1	0.3
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	2.9	0.1	0.3	0.3	0.2	0.0
Medical, surgical and personal aid devices.....	15	6	2.3	0.2	0.1	0.0	-0.1	0.0
Stage 4 intermediate demand services.....	ID5	9412	3.6	0.0	0.3	0.7	-0.1	0.1
Truck transportation of freight <sup>2</sup> .....	30	12	-0.9	0.2	-0.3	1.9	-1.4	-0.2
Courier, messenger, and U.S. postal services.....	30	16	5.8	0.4	0.0	0.4	2.1	0.3
Airline passenger services.....	30	22	0.7	-3.9	0.2	0.2	-1.0	1.5
Warehousing, storage, and related services <sup>2</sup> .....	32	1	0.9	-0.7	-2.7	0.6	-1.0	0.2
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	-2.2	-0.5	0.0	0.0	-2.0	0.0
Data processing and related services <sup>2</sup> .....	38	1	1.4	0.4	-0.5	0.2	-0.1	-0.2
Business loans (partial).....	39	11	-0.1	-0.7	0.2	-2.0	0.2	-0.6
Deposit services (partial) <sup>2</sup> .....	39	2	20.9	0.3	4.7	0.5	-0.2	3.0
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	6.0	-0.2	1.5	1.8	0.4	-2.3
Portfolio management <sup>2</sup> .....	40	2	11.0	-1.5	1.2	2.0	0.1	0.3
Investment banking <sup>2</sup> .....	40	3	14.0	1.5	1.2	0.2	1.7	2.5
Insurance.....	41	11	4.4	0.6	0.0	0.0	0.5	0.5
Annuities <sup>2</sup> .....	41	2	2.6	-0.2	0.0	0.2	0.0	0.1
Nonresidential real estate rents <sup>2</sup> .....	43	11	-1.4	-0.8	1.7	1.6	-0.3	-1.3
Nonresidential property sales and leases <sup>2</sup> .....	43	12	-2.0	-0.2	-0.4	1.3	0.5	0.2
Nonresidential property management fees <sup>2</sup> .....	43	13	2.9	-0.1	2.5	-2.7	0.6	0.3
Residential property management fees <sup>2</sup> .....	43	22	4.5	0.0	0.8	0.1	-0.2	0.1
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	0.3	-0.7	0.6	-0.3	0.2	-0.2
Legal services.....	45	1	7.5	0.3	0.1	0.5	0.5	-0.3
Advertising agency services <sup>2</sup> .....	45	51	0.4	0.6	-0.3	0.0	0.1	-0.3
Accounting services (partial).....	45	2	2.8	1.0	-1.0	0.6	0.7	0.1
Architectural and engineering services.....	45	3	2.6	0.2	0.3	-0.1	0.2	0.3
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	-0.5	0.6	2.9	-4.1	0.1	0.1
Staffing services.....	46	3	2.6	0.1	-0.4	0.7	-0.6	2.7
Janitorial services <sup>2</sup> .....	49	1	5.5	1.6	0.1	0.2	0.0	0.0
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	6.6	1.2	1.0	-0.1	1.3	0.0
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	5.4	0.3	-3.4	4.9	0.0	-0.2
Building materials, paint, and hardware wholesaling.....	57	3	0.8	-1.0	1.0	2.1	1.6	0.1
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	0.1	-2.0	-2.8	-0.3	-0.7	1.5
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	7.4	2.0	-0.4	0.2	1.7	0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.4	-0.9	-0.3	1.1	-0.6	-0.2
Food and alcohol wholesaling <sup>2</sup> .....	57	8	6.7	-0.2	1.1	-1.3	-1.5	0.9
Hardware and building materials and supplies retailing.....	58	D	-0.2	-2.2	0.9	0.4	2.9	-0.6
Metal treatment services <sup>2</sup> .....	59	1	2.2	-0.1	-0.2	0.0	-0.4	0.1
Stage 3 intermediate demand.....	ID5	3	0.0	-0.3	-0.1	0.7	-0.4	-0.2
Stage 3 intermediate demand goods.....	ID5	9311	-3.7	-1.2	-0.3	1.2	-0.5	-0.9
Slaughter cattle.....	01	31	3.3	5.6	-1.3	3.9	-3.0	-1.8
Slaughter hogs.....	01	32	-0.1	-10.8	-14.9	1.6	-6.6	11.7
Slaughter poultry.....	01	4	6.9	-1.3	1.2	8.6	3.0	5.8
Raw milk.....	01	6	13.9	9.9	5.0	2.3	1.7	0.0
Commercial electric power.....	05	42	1.2	-0.8	0.7	-1.4	-1.0	0.3
Industrial electric power.....	05	43	0.7	-2.5	1.4	-0.6	0.1	-0.2
Gasoline.....	05	71	-25.7	-7.3	-5.2	2.8	0.5	-5.6
Jet fuel <sup>2</sup> .....	05	7203	-32.5	-6.2	-3.5	5.8	-10.5	-6.1
No. 2 diesel fuel.....	05	7303	-36.1	-23.7	-3.3	12.4	1.7	-17.6
Finished lubricants <sup>2</sup> .....	05	76	-0.1	0.0	-0.1	-0.1	0.1	-0.1
Lubricating oil base stocks <sup>2</sup> .....	05	78	0.5	4.4	2.4	1.6	-6.8	-0.6
Asphalt.....	05	8102	-18.5	3.9	-3.0	-3.0	-3.2	-14.6
Basic inorganic chemicals <sup>2</sup> .....	06	13	-3.7	0.6	0.1	-1.0	0.0	0.3
Basic organic chemicals.....	06	14	-0.3	-1.1	0.0	3.5	0.4	-1.3
Paints and allied products <sup>2</sup> .....	06	2	-0.6	-0.2	0.1	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**  
 [September 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		Sept. 2023 to Sept. 2024 <sup>P</sup>	Apr. to May	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>
Agricultural chemicals and chemical products.....	06	5	3.9	-1.3	0.7	1.3	0.7	1.6
Plastic resins and materials.....	06	6	-1.7	-0.5	-0.6	1.4	-0.7	-2.4
Synthetic rubber <sup>2</sup> .....	07	1102	12.8	1.6	1.3	-0.5	-0.4	0.5
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	3.0	0.5	-0.2	0.5	0.7	0.0
Paper <sup>2</sup> .....	09	13	1.3	0.4	-0.1	0.1	0.5	0.1
Paperboard <sup>2</sup> .....	09	14	2.4	0.3	0.3	0.5	1.6	0.5
Converted paper and paperboard products <sup>2</sup> .....	09	15	1.9	0.5	-0.1	0.3	0.7	1.3
Commercial printing <sup>2</sup> .....	09	47	1.9	0.1	0.3	0.3	0.2	0.0
Foundry and forge shop products <sup>2</sup> .....	10	15	0.1	-1.0	0.8	-1.0	-0.1	-0.1
Steel mill products <sup>2</sup> .....	10	17	-12.3	0.3	-1.8	-3.2	-2.6	-1.3
Nonferrous mill shapes <sup>2</sup> .....	10	25	5.6	3.8	1.9	0.0	-1.7	0.1
Nonferrous foundry shop products.....	10	28	4.6	1.0	0.8	0.3	-0.1	0.0
Metal containers <sup>2</sup> .....	10	3	-0.4	0.2	0.2	0.7	-0.3	0.0
Structural, architectural, and pre-engineered metal products.....	10	74	-5.1	0.3	-1.3	0.3	0.2	0.5
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	4.2	-0.6	0.1	0.0	0.2	-0.1
Other miscellaneous metal products <sup>2</sup> .....	10	89	2.4	0.7	0.5	0.1	0.2	-0.4
General purpose machinery and equipment.....	11	4	3.4	0.3	0.1	-0.1	1.0	0.0
Electrical machinery and equipment.....	11	7	2.3	0.2	0.2	-0.1	0.0	0.3
Construction sand, gravel, and crushed stone.....	13	21	7.5	0.0	0.1	1.0	1.0	0.3
Cement.....	13	22	5.3	0.7	0.2	-0.2	0.2	0.2
Motor vehicle parts <sup>2</sup> .....	14	12	0.9	0.0	0.1	0.2	0.1	0.0
Aircraft and aircraft equipment.....	14	2	2.6	0.1	0.1	0.3	0.2	0.1
Stage 3 intermediate demand services.....	ID5	9312	3.2	0.5	0.2	0.3	-0.4	0.4
Rail transportation of freight and mail <sup>2</sup> .....	30	11	3.0	0.2	0.0	0.6	-0.1	0.3
Courier, messenger, and U.S. postal services.....	30	16	5.8	0.4	0.0	0.4	2.1	0.3
Arrangement of freight and cargo <sup>2</sup> .....	31	31	26.0	7.4	-0.6	-0.3	0.0	0.0
Freight forwarding <sup>2</sup> .....	31	3201	-11.3	0.7	0.0	0.0	-9.0	-0.4
Warehousing, storage, and related services <sup>2</sup> .....	32	1	0.9	-0.7	-2.7	0.6	-1.0	0.2
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-1.8	-0.4	0.0	0.0	-1.7	0.0
Wired telephone services <sup>2</sup> .....	37	1	4.9	0.9	-0.1	0.3	0.1	0.5
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	6.4	-0.5	-0.3	0.6	0.6	-0.8
Data processing and related services <sup>2</sup> .....	38	1	1.4	0.4	-0.5	0.2	-0.1	-0.2
Business loans (partial).....	39	11	-0.1	-0.7	0.2	-2.0	0.2	-0.6
Deposit services (partial) <sup>2</sup> .....	39	2	20.9	0.3	4.7	0.5	-0.2	3.0
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	6.0	-0.2	1.5	1.8	0.4	-2.3
Insurance.....	41	11	4.4	0.6	0.0	0.0	0.5	0.5
Nonresidential real estate rents <sup>2</sup> .....	43	11	-1.4	-0.8	1.7	1.6	-0.3	-1.3
Legal services.....	45	1	7.5	0.3	0.1	0.5	0.5	-0.3
Accounting services (partial).....	45	2	2.8	1.0	-1.0	0.6	0.7	0.1
Architectural and engineering services.....	45	3	2.6	0.2	0.3	-0.1	0.2	0.3
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	-0.5	0.6	2.9	-4.1	0.1	0.1
Advertising agency services <sup>2</sup> .....	45	51	0.4	0.6	-0.3	0.0	0.1	-0.3
Staffing services.....	46	3	2.6	0.1	-0.4	0.7	-0.6	2.7
Aircraft repair maintenance.....	55	4	5.6	0.7	0.2	0.1	0.0	0.1
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	5.4	0.3	-3.4	4.9	0.0	-0.2
Building materials, paint, and hardware wholesaling.....	57	3	0.8	-1.0	1.0	2.1	1.6	0.1
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	0.1	-2.0	-2.8	-0.3	-0.7	1.5
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	7.4	2.0	-0.4	0.2	1.7	0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.4	-0.9	-0.3	1.1	-0.6	-0.2
Food wholesaling <sup>2</sup> .....	57	8101	6.9	-0.1	1.3	-1.6	-1.5	1.0
Metal treatment services <sup>2</sup> .....	59	1	2.2	-0.1	-0.2	0.0	-0.4	0.1
Stage 2 intermediate demand.....	ID5	2	-2.4	-0.2	0.8	0.6	-1.1	-1.6
Stage 2 intermediate demand goods.....	ID5	9211	-11.2	-1.2	1.2	1.6	-2.8	-4.6
Corn.....	01	2202	-18.5	6.8	-0.2	-5.5	0.0	4.8
Oilseeds.....	01	83	-24.5	4.7	-3.2	-2.0	-6.6	1.6
Prepared animal feeds.....	02	9	-7.7	1.0	0.3	0.7	-1.0	0.0
Coal <sup>2</sup> .....	05	1	6.5	1.1	-2.1	0.2	3.5	-2.1
Natural gas <sup>2</sup> .....	05	31	-24.8	17.4	27.7	3.3	-20.7	2.4
Liquefied petroleum gas <sup>2</sup> .....	05	32	-16.1	-3.2	-0.9	-1.7	-6.7	-0.2
Crude petroleum <sup>2</sup> .....	05	61	-27.8	-7.3	-0.3	3.6	-4.6	-16.7
No. 2 diesel fuel.....	05	7303	-36.1	-23.7	-3.3	12.4	1.7	-17.6
Industrial chemicals.....	06	1	-0.9	-0.8	0.0	2.6	0.3	-1.0
Plastic resins and materials.....	06	6	-1.7	-0.5	-0.6	1.4	-0.7	-2.4
Plastic products <sup>2</sup> .....	07	2	1.1	-0.3	-0.1	0.1	0.4	0.0
Logs, bolts, timber, pulpwood, and wood chips <sup>2</sup> .....	08	5	-2.9	-0.1	0.1	0.4	0.6	-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**  
 [September 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		Sept. 2023 to Sept. 2024 <sup>P</sup>	Apr. to May	May to June <sup>P</sup>	June to July <sup>P</sup>	July to Aug. <sup>P</sup>
Paper <sup>2</sup> .....	09	13	1.3	0.4	-0.1	0.1	0.5	0.1
Paperboard, excluding corrugated paperboard <sup>2</sup> .....	09	1411	1.9	0.3	0.3	0.6	1.9	0.3
Commercial printing <sup>2</sup> .....	09	47	1.9	0.1	0.3	0.3	0.2	0.0
Iron and steel scrap.....	10	12	-5.6	2.8	0.1	5.5	2.1	-0.1
Steel mill products <sup>2</sup> .....	10	17	-12.3	0.3	-1.8	-3.2	-2.6	-1.3
Nonferrous mill shapes <sup>2</sup> .....	10	25	5.6	3.8	1.9	0.0	-1.7	0.1
Electrical machinery and equipment.....	11	7	2.3	0.2	0.2	-0.1	0.0	0.3
Electronic components and accessories.....	11	78	-0.3	-0.1	-0.1	-1.1	0.0	0.2
Stage 2 intermediate demand services.....	ID5	9212	4.3	0.5	0.5	-0.1	0.0	0.5
Rail transportation of freight and mail <sup>2</sup> .....	30	11	3.0	0.2	0.0	0.6	-0.1	0.3
Truck transportation of freight <sup>2</sup> .....	30	12	-0.9	0.2	-0.3	1.9	-1.4	-0.2
U.S. Postal Service <sup>2</sup> .....	30	1601	9.4	0.0	0.0	0.0	6.1	0.0
Courier and messenger services, except air.....	30	1602	4.2	0.6	0.5	0.3	0.5	0.5
Air mail and package delivery services, excluding by USPS.....	30	1603	3.6	0.6	-0.7	1.2	-0.8	0.6
Pipeline transportation <sup>2</sup> .....	30	17	0.3	0.1	0.0	0.9	-0.1	0.0
Airline passenger services.....	30	22	0.7	-3.9	0.2	0.2	-1.0	1.5
Arrangement of freight and cargo <sup>2</sup> .....	31	31	26.0	7.4	-0.6	-0.3	0.0	0.0
Television advertising time sales.....	36	21	-2.1	-0.2	-1.4	0.1	-5.0	-3.6
Wireless telecommunication services.....	37	2	0.9	0.7	0.1	0.1	-0.7	0.1
Data processing and related services <sup>2</sup> .....	38	1	1.4	0.4	-0.5	0.2	-0.1	-0.2
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	6.0	-0.2	1.5	1.8	0.4	-2.3
Portfolio management <sup>2</sup> .....	40	2	11.0	-1.5	1.2	2.0	0.1	0.3
Investment banking <sup>2</sup> .....	40	31	14.0	1.5	1.2	0.2	1.7	2.5
Insurance.....	41	11	4.4	0.6	0.0	0.0	0.5	0.5
Commissions from sales of insurance <sup>2</sup> .....	42	11	2.5	0.0	0.0	0.7	0.0	0.0
Legal services.....	45	1	7.5	0.3	0.1	0.5	0.5	-0.3
Accounting services (partial).....	45	2	2.8	1.0	-1.0	0.6	0.7	0.1
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	-0.5	0.6	2.9	-4.1	0.1	0.1
Advertising agency services <sup>2</sup> .....	45	51	0.4	0.6	-0.3	0.0	0.1	-0.3
Staffing services.....	46	3	2.6	0.1	-0.4	0.7	-0.6	2.7
Security guard services <sup>2</sup> .....	48	1	7.5	-0.1	0.4	0.2	0.0	0.4
Janitorial services <sup>2</sup> .....	49	1	5.5	1.6	0.1	0.2	0.0	0.0
Traveler accommodation services.....	53	1	2.1	3.4	-0.7	-3.0	3.4	1.3
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	6.6	1.2	1.0	-0.1	1.3	0.0
Hardware and building materials and supplies retailing.....	58	D	-0.2	-2.2	0.9	0.4	2.9	-0.6
Stage 1 intermediate demand.....	ID5	1	-0.3	-0.7	0.2	0.6	0.0	-0.5
Stage 1 intermediate demand goods.....	ID5	9111	-3.7	-1.5	-0.2	0.7	-0.1	-0.9
Prepared animal feeds.....	02	9	-7.7	1.0	0.3	0.7	-1.0	0.0
Commercial electric power.....	05	42	1.2	-0.8	0.7	-1.4	-1.0	0.3
Industrial electric power.....	05	43	0.7	-2.5	1.4	-0.6	0.1	-0.2
Commercial natural gas.....	05	52	-0.6	-4.0	2.4	-0.1	-3.6	0.7
Industrial natural gas.....	05	53	-6.1	-3.7	1.2	3.2	-5.3	0.5
Gasoline.....	05	71	-25.7	-7.3	-5.2	2.8	0.5	-5.6
No. 2 diesel fuel.....	05	7303	-36.1	-23.7	-3.3	12.4	1.7	-17.6
Industrial chemicals.....	06	1	-0.9	-0.8	0.0	2.6	0.3	-1.0
Prepared paint <sup>2</sup> .....	06	21	0.0	0.1	0.1	0.2	0.2	0.2
Plastic construction products <sup>2</sup> .....	07	21	-0.3	-0.3	-0.2	0.1	0.2	-0.4
Recyclable paper <sup>2</sup> .....	09	12	55.2	2.0	0.7	0.1	-3.4	-2.2
Paper <sup>2</sup> .....	09	13	1.3	0.4	-0.1	0.1	0.5	0.1
Converted paper and paperboard products <sup>2</sup> .....	09	15	1.9	0.5	-0.1	0.3	0.7	1.3
Iron and steel scrap.....	10	12	-5.6	2.8	0.1	5.5	2.1	-0.1
Steel mill products <sup>2</sup> .....	10	17	-12.3	0.3	-1.8	-3.2	-2.6	-1.3
Primary nonferrous metals <sup>2</sup> .....	10	22	8.8	5.0	0.7	-0.2	-2.2	0.5
Nonferrous scrap.....	10	23	8.0	8.7	1.0	0.2	-7.0	1.3
Nonferrous wire and cable <sup>2</sup> .....	10	26	6.0	6.1	-0.4	-1.7	-2.8	0.0
Fabricated structural metal products.....	10	7	-0.1	0.0	-0.7	0.3	0.9	0.5
General purpose machinery and equipment.....	11	4	3.4	0.3	0.1	-0.1	1.0	0.0
Construction sand, gravel, and crushed stone.....	13	21	7.5	0.0	0.1	1.0	1.0	0.3
Stage 1 intermediate demand services.....	ID5	9112	3.0	0.2	0.5	0.5	0.1	0.0
Truck transportation of freight <sup>2</sup> .....	30	12	-0.9	0.2	-0.3	1.9	-1.4	-0.2
Airline passenger services.....	30	22	0.7	-3.9	0.2	0.2	-1.0	1.5
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-1.8	-0.4	0.0	0.0	-1.7	0.0
Business wired telecommunication services <sup>2</sup> .....	37	12	5.7	1.1	-0.1	0.7	0.2	0.9
Wireless telecommunication services.....	37	2	0.9	0.7	0.1	0.1	-0.7	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**  
 [September 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		Sept. 2023 to Sept. 2024 <sup>p</sup>	Apr. to May	May to June <sup>p</sup>	June to July <sup>p</sup>	July to Aug. <sup>p</sup>
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	6.4	-0.5	-0.3	0.6	0.6	-0.8
Business loans (partial).....	39	11	-0.1	-0.7	0.2	-2.0	0.2	-0.6
Deposit services (partial) <sup>2</sup> .....	39	2	20.9	0.3	4.7	0.5	-0.2	3.0
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	6.0	-0.2	1.5	1.8	0.4	-2.3
Portfolio management <sup>2</sup> .....	40	2	11.0	-1.5	1.2	2.0	0.1	0.3
Investment banking <sup>2</sup> .....	40	3	14.0	1.5	1.2	0.2	1.7	2.5
Insurance.....	41	11	4.4	0.6	0.0	0.0	0.5	0.5
Nonresidential real estate rents <sup>2</sup> .....	43	11	-1.4	-0.8	1.7	1.6	-0.3	-1.3
Architectural and engineering services.....	45	3	2.6	0.2	0.3	-0.1	0.2	0.3
Management consulting services <sup>2</sup> .....	45	41	-0.5	0.6	2.9	-4.1	0.1	0.1
Waste collection.....	50	1	4.6	2.5	0.4	-0.1	-0.7	1.4
Traveler accommodation services.....	53	11	2.1	3.4	-0.7	-3.0	3.4	1.3
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	6.6	1.2	1.0	-0.1	1.3	0.0
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	5.4	0.3	-3.4	4.9	0.0	-0.2
Building materials, paint, and hardware wholesaling.....	57	3	0.8	-1.0	1.0	2.1	1.6	0.1
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	0.1	-2.0	-2.8	-0.3	-0.7	1.5
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	7.4	2.0	-0.4	0.2	1.7	0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.4	-0.9	-0.3	1.1	-0.6	-0.2
Hardware and building materials and supplies retailing.....	58	D	-0.2	-2.2	0.9	0.4	2.9	-0.6
Mining services <sup>2</sup> .....	60	1	2.9	0.0	-1.0	0.3	1.2	0.3

<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**  
 [September 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	May 2024	June 2024 <sup>P</sup>	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>
<b>Final Demand</b>								
Final demand.....		FD	4	144.257	144.717	144.764	145.103	145.173
Final demand goods.....		FD	41	143.436	142.975	143.783	143.727	143.423
Final demand foods.....		FD	411	150.925	151.122	152.069	152.441	154.009
Finished consumer foods <sup>2</sup> .....	00/82	FD	4111	269.726	270.769	272.440	274.547	277.039
Finished consumer foods, crude.....	00/82	FD	411113	250.851	262.741	256.035	286.771	284.390
Finished consumer foods, processed.....	00/82	FD	411112	270.355	270.366	272.824	272.209	275.152
Government purchased foods.....		FD	4112	156.778	157.604	160.529	159.314	160.968
Foods for export.....		FD	4113	142.318	140.455	140.594	137.882	140.156
Final demand energy.....		FD	412	137.965	135.206	137.568	136.148	132.435
Finished consumer energy goods <sup>2</sup> .....	00/82	FD	4121	218.298	213.787	216.400	215.050	211.060
Government purchased energy.....		FD	4122	141.638	139.231	144.361	140.775	132.466
Energy for export.....		FD	4123	126.369	124.058	128.735	125.375	117.698
Final demand goods less foods and energy.....		FD	413	143.166	143.237	143.522	143.772	144.007
Finished goods less foods and energy <sup>2</sup> .....	00/82	FD	4131	252.406	252.612	252.932	253.759	254.310
Finished consumer goods less foods and energy.....	00/82	FD	41311	279.816	279.965	280.272	281.448	282.039
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	364.854	365.121	365.607	367.670	368.689
Durable consumer goods.....	00/82	FD	413112	192.976	193.020	193.160	193.536	193.739
Private capital equipment.....	00/82	FD	41312	217.304	217.551	217.869	218.354	218.845
Private capital equipment for manufacturing industries.....	00/82	FD	413121	235.258	235.556	236.038	236.898	237.294
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	211.942	212.173	212.443	212.817	213.336
Government purchased goods, excluding foods and energy.....		FD	4132	139.425	139.493	139.869	140.052	140.406
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	147.163	147.167	147.726	147.954	148.353
Government purchased capital equipment.....		FD	41322	127.576	127.720	127.871	127.997	128.289
Goods for export, excluding foods and energy.....		FD	4133	138.694	138.684	139.106	138.987	139.040
Final demand services.....		FD	42	143.524	144.397	144.060	144.590	144.824
Final demand trade services <sup>3</sup> .....		FD	423	152.279	155.168	152.319	153.436	153.791
Trade of finished goods <sup>2</sup> .....		FD	4231	150.253	153.061	150.100	151.131	151.535
Trade of personal consumption goods.....		FD	42311	150.513	152.776	150.306	150.487	151.055
Trade of private capital equipment.....		FD	42312	147.396	152.639	147.487	152.352	152.012
Trade of government purchased goods.....		FD	4232	165.908	170.870	167.781	169.197	169.168
Trade of government purchased goods, excluding capital equipment.....		FD	42321	172.387	176.034	175.972	174.285	174.413
Trade of government purchased capital equipment.....		FD	42322	154.635	161.587	153.861	160.041	159.773
Trade of exports.....		FD	4233	166.175	169.026	167.342	169.169	169.205
Final demand transportation and warehousing services.....		FD	422	149.257	149.106	150.832	149.460	149.966
Transportation of passengers for final demand.....		FD	4221	132.452	132.695	132.937	131.604	133.560
Transportation of private passengers.....		FD	42211	132.460	132.702	132.943	131.614	133.565
Transportation of government passengers.....		FD	42212	132.267	132.506	132.745	131.428	133.362
Transportation of passengers for export.....		FD	42213	132.428	132.674	132.918	131.573	133.545
Transportation and warehousing of goods for final demand.....		FD	4222	154.994	154.690	156.987	155.607	155.543
Transportation and warehousing of finished goods <sup>2</sup> .....		FD	42221	152.659	152.350	154.742	153.333	153.203
Transportation and warehousing of personal consumption goods.....		FD	422211	153.298	152.992	155.348	154.067	153.947
Transportation and warehousing of private capital equipment.....		FD	422212	150.070	149.744	152.286	150.354	150.181
Transportation and warehousing of government purchased goods.....		FD	42222	154.299	153.759	155.681	154.924	154.871
Transportation and warehousing of exports.....		FD	42223	161.688	161.445	163.620	162.122	162.250
Final demand services less trade, transportation, and warehousing.....		FD	421	138.761	138.929	139.386	139.875	140.030
Finished services less trade, transportation, and warehousing <sup>2</sup> .....		FD	4211	138.882	138.981	139.421	139.970	140.130
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	138.375	138.494	138.839	139.469	139.564
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	143.994	143.941	145.123	145.049	145.712
Government purchased services less trade, transportation, and warehousing.....		FD	4212	129.448	129.792	130.275	130.344	130.531
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	130.171	130.564	130.936	131.068	131.218
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	112.875	112.503	114.554	113.712	114.434
Services for export less trade, transportation, and warehousing.....		FD	4213	148.543	149.499	150.178	150.280	150.343
Final demand construction.....		FD	43	175.061	175.646	176.930	176.881	177.091
Construction for private capital investment.....		FD	431	178.997	179.668	180.713	180.635	180.850
Construction for government.....		FD	432	167.786	168.189	169.995	170.004	170.207
<b>Final Demand Special Groupings</b>								
Final demand less exports.....	04/10	FD	49101	141.980	142.455	142.438	142.860	142.941
Final demand less government.....	04/10	FD	49102	142.320	142.783	142.754	143.141	143.266
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>1</sup> .....	04/10	FD	49103	142.719	143.429	143.215	143.704	143.908
Final demand less foods and energy <sup>4</sup> .....	04/10	FD	49104	142.514	143.199	143.037	143.487	143.718
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>4</sup> .....	04/10	FD	49105	141.965	142.443	142.399	142.761	142.707

See footnotes at end of table.

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

[September 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	May 2024	June 2024 <sup>P</sup>	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>
Final demand less foods <sup>4</sup> .....	04/10	FD	49106	141.744	142.213	142.208	142.541	142.526
Final demand less energy.....	04/10	FD	49107	142.735	143.391	143.292	143.737	144.043
Final demand less trade services.....	01/10	FD	49108	140.701	140.629	141.303	141.469	141.477
Final demand less distributive services <sup>5</sup> .....	01/10	FD	49109	140.256	140.194	140.800	141.032	141.042
Final demand goods less energy.....	01/10	FD	49111	143.335	143.432	143.858	144.133	144.655
Final demand goods less foods.....	04/10	FD	49112	138.767	138.178	138.940	138.796	138.107
Final demand services less trade services.....	04/10	FD	49113	138.528	138.665	139.236	139.547	139.734
Final demand distributive services <sup>5</sup> .....	04/10	FD	49114	149.621	151.961	149.961	150.672	150.955
Final demand goods plus final demand distributive services <sup>5</sup> .....	04/10	FD	49115	143.925	144.623	144.263	144.523	144.466
Final demand less foods, energy, and trade services <sup>4</sup> .....	08/13	FD	49116	131.918	132.042	132.525	132.791	132.979
Private and government purchased capital equipment.....	08/13	FD	49117	131.226	131.375	131.562	131.832	132.129
Private and government purchased capital investment services.....	08/13	FD	49118	134.701	136.576	135.418	137.047	137.266
Total private and government purchased capital investment.....	08/13	FD	49119	136.024	137.083	136.729	137.633	137.875
Total finished <sup>2</sup> .....	01/10	FD	49201	143.066	143.554	143.445	143.940	144.088
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>2, 4</sup> .....	12/10	FD	49202	142.224	142.927	142.636	143.186	143.433
Total finished less foods and energy <sup>2, 4</sup> .....	01/10	FD	49203	143.094	143.801	143.512	144.058	144.310
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>2, 4</sup> .....	12/10	FD	49204	141.182	141.659	141.490	141.950	142.024
Total finished less foods <sup>2, 4</sup> .....	01/10	FD	49205	142.613	143.097	142.929	143.387	143.466
Total finished less energy <sup>2</sup> .....	01/10	FD	49206	143.558	144.258	144.037	144.618	144.934
Finished goods <sup>2</sup> .....	00/82	FD	49207	256.660	255.785	257.015	257.559	257.320
Finished goods less energy <sup>2</sup> .....	00/82	FD	49208	256.190	256.621	257.306	258.476	259.550
Finished goods, excluding foods <sup>2, 4</sup> .....	00/82	FD	49209	252.557	251.177	252.287	252.417	251.457
Finished services <sup>2</sup> .....	01/10	FD	49210	141.726	142.546	142.132	142.707	142.948
Private capital investment services.....	04/10	FD	49211	144.871	146.778	145.667	147.333	147.572
Finished distributive services <sup>2, 5</sup> .....	04/10	FD	49212	147.448	149.823	147.566	148.283	148.614
Finished services less trade services <sup>2</sup> .....	04/10	FD	49213	138.345	138.426	138.959	139.363	139.544
Finished services less distributive services <sup>2, 5</sup> .....	04/10	FD	49214	137.832	137.934	138.366	138.871	139.069
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	144.044	145.177	144.765	145.749	146.009
Finished goods plus finished distributive services <sup>2</sup> .....	04/10	FD	49216	145.176	146.058	145.334	145.835	145.925
Total exports.....	04/10	FD	49301	141.629	141.949	142.393	142.159	142.154
Goods for export.....	00/82	FD	49302	232.112	231.509	232.571	231.551	231.331
Services for export.....	04/10	FD	49303	154.952	156.221	156.433	156.695	156.864
Total government purchases.....	04/10	FD	49401	138.393	138.752	139.639	139.371	138.806
Government purchased goods.....	00/82	FD	49402	230.607	229.831	232.894	231.364	228.583
Government purchased services.....	04/10	FD	49403	137.078	138.112	138.094	138.300	138.487
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	134.379	135.352	135.253	135.961	136.182
Government purchases, defense.....	05/15	FD	49405	124.970	125.221	125.759	125.049	124.561
Government purchases, non-defense.....	05/15	FD	49406	132.832	133.205	134.170	134.135	133.582
Personal consumption.....	01/10	FD	49501	142.760	143.106	143.060	143.448	143.569
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	273.294	271.930	273.557	274.125	273.566
Personal consumption goods less energy.....	00/82	FD	49503	276.014	276.555	277.461	279.048	280.474
Personal consumption goods less foods.....	00/82	FD	49504	272.888	270.504	272.100	272.008	270.150
Personal consumption nondurable goods less foods.....	00/82	FD	49508	307.805	304.334	306.581	306.277	303.496
Personal consumption services.....	04/10	FD	49505	140.711	141.363	141.056	141.465	141.705
Personal consumption less trade services.....	04/10	FD	49506	140.224	140.093	140.649	141.086	141.096
Personal consumption less distributive services <sup>5</sup> .....	04/10	FD	49507	139.988	139.864	140.357	140.856	140.870
Personal consumption less foods and energy.....	04/14	FD	49510	131.760	132.313	132.072	132.472	132.703
Personal consumption less foods, energy, and trade services <sup>3</sup> .....	04/14	FD	49511	129.602	129.693	130.065	130.536	130.678
Personal consumption less foods, energy, and distributive services <sup>5</sup> .....	04/14	FD	49512	129.663	129.771	130.067	130.611	130.765
Personal consumption goods plus personal consumption distributive services <sup>5</sup> .....	08/13	FD	49509	133.474	134.032	133.565	133.702	133.788
<b>Intermediate Demand by Commodity Type</b>								
<b>Processed goods</b>								
Processed goods for intermediate demand.....	00/82	ID6	1	254.232	253.986	255.622	255.218	253.050
Materials and components for manufacturing.....	00/82	ID6	11	233.322	233.485	234.140	233.878	233.593
Materials for manufacturing.....		ID6	111	143.752	143.801	144.423	143.920	143.623
Materials for food manufacturing.....	00/82	ID6	1111	252.712	254.827	258.784	258.795	261.352
Materials for nondurable manufacturing.....	00/82	ID6	1112	261.191	261.125	265.010	265.440	263.624
Materials for durable manufacturing.....	00/82	ID6	1113	277.650	276.982	273.520	270.511	270.032
Components for manufacturing.....	00/82	ID6	112	190.310	190.551	190.625	191.131	191.156
Components for nondurable manufacturing.....		ID6	1121	147.410	147.379	147.469	148.209	148.143
Components for durable manufacturing.....		ID6	1122	134.341	134.521	134.572	134.912	134.934
Materials and components for construction.....	00/82	ID6	12	354.770	354.171	353.640	354.685	354.926
Materials for construction.....		ID6	121	170.118	169.924	169.238	169.195	169.728
Components for construction.....		ID6	122	179.167	178.786	178.881	179.866	179.637
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	234.370	232.662	238.389	236.145	224.975
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	241.765	243.125	245.820	244.598	237.234

See footnotes at end of table.

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

[September 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	May 2024	June 2024 <sup>P</sup>	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	232.306	229.631	236.321	233.752	221.368
Containers for intermediate demand.....	00/82	ID6	14	306.540	306.637	308.285	310.158	311.602
Supplies for intermediate demand.....	00/82	ID6	15	250.937	251.196	251.918	252.084	252.699
Supplies to manufacturing industries.....	00/82	ID6	151	249.412	249.845	249.931	250.288	250.683
Supplies to nonmanufacturing industries.....	00/82	ID6	152	249.182	249.411	250.227	250.362	251.006
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	213.370	214.668	217.724	215.887	216.357
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	255.840	255.930	256.464	256.854	257.526
<b>Unprocessed goods</b>								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	245.582	246.774	251.875	244.004	236.264
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	220.454	217.646	221.896	219.059	224.990
Unprocessed nonfood materials.....	00/82	ID6	22	253.159	257.193	262.691	251.504	234.170
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	329.918	328.592	335.564	325.812	299.626
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	304.278	302.985	309.612	299.995	274.517
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	371.872	371.993	375.317	378.658	379.643
Unprocessed fuel.....	00/82	ID6	222	95.937	110.557	113.023	99.211	99.772
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	217.020	218.813	220.155	221.123	217.463
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	91.849	107.730	110.346	95.183	96.017
<b>Services</b>								
Services for intermediate demand.....		ID6	3	150.621	151.249	151.656	151.502	151.817
Trade services for intermediate demand <sup>5</sup> .....		ID6	33	175.481	176.870	177.562	177.296	177.722
Trade services for manufacturing industries.....	12/12	ID6	331	160.206	159.924	161.407	161.012	161.490
Trade services for nonmanufacturing industries.....	12/12	ID6	332	156.269	158.984	158.789	158.697	158.991
Transportation and warehousing services for intermediate demand.....		ID6	32	160.261	159.865	160.913	160.520	161.060
Transportation of passengers for intermediate demand.....		ID6	321	132.332	132.570	132.809	131.493	133.426
Transportation of passengers for manufacturing industries.....		ID6	3211	132.407	132.653	132.896	131.553	133.524
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	132.383	132.621	132.859	131.546	133.475
Transportation and warehousing of goods for intermediate demand.....		ID6	322	163.205	162.748	163.874	163.566	163.978
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	131.230	131.101	132.378	131.230	131.297
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	147.066	146.586	147.492	147.476	147.924
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	142.079	142.727	142.952	142.866	143.114
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	133.844	134.243	134.247	134.134	134.370
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	142.340	142.996	143.229	143.145	143.392
<b>Construction</b>								
Construction for intermediate demand.....		ID6	4	151.698	151.832	152.187	152.377	152.486
<b>Intermediate Demand by Commodity Type Special Groupings</b>								
Processed materials less foods and feeds.....	00/82	ID6	9111	255.602	255.172	256.610	256.224	253.605
Processed foods and feeds.....	00/82	ID6	9112	241.097	242.668	246.241	245.665	247.882
Processed energy goods.....	00/82	ID6	9113	235.458	233.747	239.498	237.245	226.026
Processed materials less energy.....	00/82	ID6	9118	255.856	255.975	256.576	256.634	256.723
Processed materials less foods and energy.....	00/82	ID6	9115	257.264	257.198	257.415	257.554	257.364
Intermediate distributive services <sup>6</sup> .....	04/10	ID6	9116	167.649	168.218	169.088	168.808	169.222
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	146.146	146.202	147.086	146.850	146.103
Unprocessed materials less agricultural products.....	00/82	ID6	9211	261.042	265.623	272.818	260.507	240.186
Unprocessed energy materials <sup>7</sup> .....	00/82	ID6	9212	190.792	196.637	202.958	190.218	166.262
Unprocessed materials less energy.....	00/82	ID6	9213	274.465	271.819	275.496	272.177	278.638
Unprocessed nonfood materials less energy <sup>8</sup> .....	00/82	ID6	9216	435.512	433.305	435.251	430.512	438.487
<b>Intermediate Demand by Production Flow</b>								
<b>Stage 4 Intermediate Demand</b>								
Stage 4 intermediate demand.....		ID5	4	151.070	151.192	151.898	151.804	151.904
Inputs to stage 4 goods producers.....		ID5	41	146.602	146.217	146.899	146.678	147.168
Goods.....		ID5	411	138.754	138.669	138.787	138.621	139.149
Foods.....		ID5	4111	140.321	139.941	140.794	139.812	142.133
Energy.....		ID5	4112	132.023	132.347	128.914	130.890	134.540
Goods excluding foods and energy.....		ID5	4113	138.685	138.642	138.681	138.620	138.844
Services.....		ID5	412	172.725	171.348	173.892	173.489	173.855
Trade services.....		ID5	4123	184.975	182.800	186.469	185.949	186.371
Transportation and warehousing services.....		ID5	4122	136.423	136.377	137.464	136.661	137.074
Transportation of passengers.....		ID5	41221	132.427	132.673	132.917	131.572	133.544
Transportation and warehousing of goods.....		ID5	41222	146.240	146.133	147.457	146.707	146.843
Services less trade, transportation, and warehousing.....		ID5	4121	134.859	135.471	135.024	135.116	135.278
Inputs to stage 4 services producers.....		ID5	42	150.016	150.518	151.342	151.215	151.222

See footnotes at end of table.

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

[September 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	May 2024	June 2024 <sup>P</sup>	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>
Goods.....		ID5	421	146.918	146.968	147.501	147.183	147.161
Foods.....		ID5	4211	149.296	148.532	150.910	149.638	152.910
Energy.....		ID5	4212	140.329	141.054	141.252	140.378	138.247
Goods excluding foods and energy.....		ID5	4213	149.172	149.103	149.252	149.555	149.724
Services.....		ID5	422	150.820	151.474	152.392	152.330	152.346
Trade services.....		ID5	4223	165.784	166.510	167.867	167.204	167.457
Transportation and warehousing services.....		ID5	4222	156.032	154.911	155.577	156.495	156.981
Transportation of passengers.....		ID5	42221	131.938	132.181	132.422	131.091	133.044
Transportation and warehousing of goods.....		ID5	42222	160.773	159.416	160.157	161.459	161.699
Services less trade, transportation, and warehousing.....		ID5	4221	147.598	148.423	149.315	149.215	149.157
Construction.....		ID5	423	151.698	151.832	152.187	152.377	152.486
Inputs to stage 4 construction producers.....		ID5	43	162.874	162.557	162.820	163.146	162.759
Goods.....		ID5	431	167.270	166.477	166.609	167.144	166.507
Energy.....		ID5	4312	141.494	135.929	140.426	141.038	130.607
Goods excluding foods and energy.....		ID5	4313	173.695	173.359	173.056	173.595	173.925
Services.....		ID5	432	151.574	152.448	153.042	152.844	153.084
Trade services.....		ID5	4323	167.482	169.405	170.017	170.050	170.407
Transportation and warehousing services.....		ID5	4322	146.697	146.394	148.666	146.959	146.889
Transportation of passengers.....		ID5	43221	138.047	138.304	138.557	137.158	139.210
Transportation and warehousing of goods.....		ID5	43222	147.684	147.366	149.699	147.975	147.854
Services less trade, transportation, and warehousing.....		ID5	4321	134.394	134.801	134.726	134.910	135.161
<b>Stage 3 Intermediate Demand</b>								
Stage 3 intermediate demand.....		ID5	3	147.160	147.082	148.130	147.522	147.227
Inputs to stage 3 goods producers.....		ID5	31	154.734	154.717	155.692	155.310	155.748
Goods.....		ID5	311	149.987	149.938	150.934	150.610	151.014
Foods.....		ID5	3111	163.214	164.414	168.311	169.278	172.619
Energy.....		ID5	3112	128.458	127.294	127.278	126.695	118.845
Goods excluding foods and energy.....		ID5	3113	149.803	149.255	149.131	148.276	147.953
Services.....		ID5	312	162.622	162.721	163.551	162.969	163.510
Trade services.....		ID5	3123	168.011	168.254	168.571	168.478	169.306
Transportation and warehousing services.....		ID5	3122	149.926	149.709	151.794	150.237	150.298
Transportation of passengers.....		ID5	31221	140.999	141.261	141.520	140.089	142.188
Transportation and warehousing of goods.....		ID5	31222	150.207	149.964	152.147	150.585	150.534
Services less trade, transportation, and warehousing.....		ID5	3121	138.031	138.252	138.186	138.019	138.468
Inputs to stage 3 services producers.....		ID5	32	140.391	140.256	141.370	140.580	139.745
Goods.....		ID5	321	119.819	118.214	122.262	120.477	114.125
Foods.....		ID5	3211	153.431	153.154	154.502	153.398	151.930
Energy.....		ID5	3212	114.440	111.792	118.591	115.627	105.113
Goods excluding foods and energy.....		ID5	3213	137.999	137.986	137.788	137.829	137.868
Services.....		ID5	322	145.570	145.817	146.169	145.628	146.232
Trade services.....		ID5	3223	197.249	204.599	202.582	200.266	200.282
Transportation and warehousing services.....		ID5	3222	171.008	170.588	171.796	171.923	172.787
Transportation of passengers.....		ID5	32221	104.256	104.145	104.176	104.183	104.264
Transportation and warehousing of goods.....		ID5	32222	171.132	171.132	172.346	172.473	173.342
Services less trade, transportation, and warehousing.....		ID5	3221	135.993	136.001	136.260	135.640	136.209
Construction.....		ID5	323	151.698	151.832	152.187	152.377	152.486
Inputs to stage 3 construction producers.....		ID5	33	141.510	142.053	141.974	142.527	142.974
Goods.....		ID5	331	136.015	135.681	134.995	134.668	135.267
Goods excluding foods and energy.....		ID5	3313	173.315	172.890	172.016	171.600	172.362
Services.....		ID5	332	166.818	168.480	169.111	170.781	171.107
Trade services.....		ID5	3323	171.377	173.212	173.907	175.804	176.151
Transportation and warehousing services.....		ID5	3322	116.986	117.208	117.734	117.262	117.639
Transportation and warehousing of goods.....		ID5	33222	123.483	123.718	124.272	123.775	124.172
Services less trade, transportation, and warehousing.....		ID5	3321	128.080	128.218	128.041	127.850	127.863
<b>Stage 2 Intermediate Demand</b>								
Stage 2 intermediate demand.....		ID5	2	135.902	136.926	137.722	136.146	133.983
Inputs to stage 2 goods producers.....		ID5	21	121.520	122.901	124.304	121.294	116.982
Goods.....		ID5	211	115.041	116.596	118.646	114.783	108.758
Foods.....		ID5	2111	140.755	140.079	140.141	136.514	137.503
Energy.....		ID5	2112	84.905	87.335	89.946	84.255	74.149
Goods excluding foods and energy.....		ID5	2113	142.844	143.192	144.434	144.255	144.498
Services.....		ID5	212	154.699	155.669	155.119	154.526	155.296
Trade services.....		ID5	2123	175.319	177.737	176.398	175.555	176.339
Transportation and warehousing services.....		ID5	2122	171.465	171.582	171.393	170.499	171.009
Transportation of passengers.....		ID5	21221	132.963	133.191	133.426	132.142	134.031
Transportation and warehousing of goods.....		ID5	21222	173.660	173.770	173.561	172.684	173.129
Services less trade, transportation, and warehousing.....		ID5	2121	140.272	140.585	140.491	140.386	141.527
Construction.....		ID5	213	151.698	151.832	152.187	152.377	152.486

See footnotes at end of table.

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

[September 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	May 2024	June 2024 <sup>P</sup>	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>
Inputs to stage 2 services producers.....		ID5	22	148.980	149.528	149.549	149.793	150.348
Goods.....		ID5	221	143.309	143.266	144.088	144.337	143.818
Foods.....		ID5	2211	111.177	111.910	112.684	113.339	113.726
Energy.....		ID5	2212	140.461	139.220	145.384	143.676	134.377
Goods excluding foods and energy.....		ID5	2213	144.233	144.258	144.732	145.104	145.150
Services.....		ID5	222	149.184	149.812	149.728	149.971	150.667
Trade services.....		ID5	2223	189.328	194.892	192.902	199.657	199.974
Transportation and warehousing services.....		ID5	2222	154.510	154.338	154.823	151.156	151.909
Transportation of passengers.....		ID5	22221	132.865	133.109	133.352	132.013	133.977
Transportation and warehousing of goods.....		ID5	22222	159.098	158.848	159.380	155.274	155.810
Services less trade, transportation, and warehousing.....		ID5	2221	147.806	148.267	148.229	148.461	149.175
Construction.....		ID5	223	151.698	151.832	152.187	152.377	152.486
<b>Stage 1 Intermediate Demand</b>								
Stage 1 intermediate demand.....		ID5	1	145.546	145.772	146.647	146.638	145.971
Inputs to stage 1 goods producers.....		ID5	11	141.430	141.339	141.837	141.369	141.353
Goods.....		ID5	111	137.755	137.525	138.015	137.226	137.018
Foods.....		ID5	1111	133.722	132.968	131.300	129.143	131.068
Energy.....		ID5	1112	118.944	119.507	120.786	119.634	117.568
Goods excluding foods and energy.....		ID5	1113	146.508	146.169	146.846	146.357	146.231
Services.....		ID5	112	155.612	155.920	156.455	156.896	157.436
Trade services.....		ID5	1123	167.675	168.070	168.653	169.158	169.770
Transportation and warehousing services.....		ID5	1122	159.110	159.852	159.893	158.424	159.255
Transportation of passengers.....		ID5	11221	132.402	132.648	132.891	131.547	133.519
Transportation and warehousing of goods.....		ID5	11222	163.923	164.774	164.766	163.283	163.826
Services less trade, transportation, and warehousing.....		ID5	1121	114.458	114.546	115.004	115.572	115.891
Construction.....		ID5	113	151.698	151.832	152.187	152.377	152.486
Inputs to stage 1 services producers.....		ID5	12	146.925	147.428	148.510	148.685	147.686
Goods.....		ID5	121	143.457	143.119	144.913	145.373	142.441
Foods.....		ID5	1211	131.759	141.591	148.880	173.637	163.809
Energy.....		ID5	1212	143.750	142.392	147.853	147.602	137.848
Goods excluding foods and energy.....		ID5	1213	151.270	151.317	151.469	152.118	152.241
Services.....		ID5	122	147.708	148.562	149.340	149.394	149.212
Trade services.....		ID5	1223	175.600	179.116	179.571	178.672	178.984
Transportation and warehousing services.....		ID5	1222	145.333	145.243	146.041	146.988	147.778
Transportation of passengers.....		ID5	12221	132.323	132.569	132.812	131.469	133.439
Transportation and warehousing of goods.....		ID5	12222	167.725	167.447	168.623	170.876	171.129
Services less trade, transportation, and warehousing.....		ID5	1221	143.585	144.300	145.098	145.119	144.753
Construction.....		ID5	123	151.698	151.832	152.187	152.377	152.486
Inputs to stage 1 construction producers.....		ID5	13	162.164	162.009	163.046	163.479	162.474
Goods.....		ID5	131	163.769	163.186	164.207	164.693	163.103
Energy.....		ID5	1312	115.718	112.988	123.142	124.160	107.715
Goods excluding foods and energy.....		ID5	1313	172.240	171.899	171.852	172.282	172.432
Services.....		ID5	132	159.259	160.155	161.234	161.543	161.963
Trade services.....		ID5	1323	168.647	169.962	170.629	171.678	172.341
Transportation and warehousing services.....		ID5	1322	121.200	120.920	123.102	121.393	121.204
Transportation and warehousing of goods.....		ID5	13222	125.366	125.076	127.333	125.566	125.370
Services less trade, transportation, and warehousing.....		ID5	1321	142.073	143.201	142.888	143.962	143.834
<b>Intermediate Demand by Production Flow Special Groupings</b>								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	143.882	143.694	143.935	143.868	143.989
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	153.833	154.233	155.344	155.226	155.305
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	150.442	150.574	150.926	151.115	151.222
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	141.018	140.485	141.960	140.878	143.548
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	128.679	128.413	129.109	128.613	125.627
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	147.749	147.631	147.612	147.768	148.003
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	135.171	134.742	136.411	135.747	134.488
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	147.472	147.706	148.136	147.613	148.199
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	150.442	150.574	150.926	151.115	151.222
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	145.195	146.252	149.700	150.545	153.482
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	114.329	111.953	117.610	115.056	105.139
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	142.077	141.636	141.493	140.818	140.582
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	112.296	113.615	115.442	112.179	106.998
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	150.984	151.695	151.500	151.546	152.262
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	150.442	150.574	150.926	151.115	151.222
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	141.227	140.570	140.644	137.063	138.049
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	83.751	86.089	88.686	83.157	73.272
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	134.999	135.257	136.258	136.211	136.396
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	127.992	127.702	128.604	128.465	127.264

See footnotes at end of table.

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

[September 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	May 2024	June 2024 <sup>p</sup>	July 2024 <sup>p</sup>	Aug. 2024 <sup>p</sup>	Sept. 2024 <sup>p</sup>
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	149.050	149.809	150.561	150.698	150.679
Total construction inputs to stage 1 intermediate demand.....	04/10	ID5	9117	150.442	150.574	150.926	151.115	151.222
Total foods inputs to stage 1 intermediate demand.....	04/10	ID5	9114	125.711	125.247	123.887	122.482	124.020
Total energy goods inputs to stage 1 intermediate demand.....	04/10	ID5	9115	126.627	125.959	129.975	129.483	122.539
Total goods less foods and energy inputs to stage 1 intermediate demand.....	04/10	ID5	9116	127.066	126.883	127.186	127.228	127.234

<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.

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"/" Data not available.