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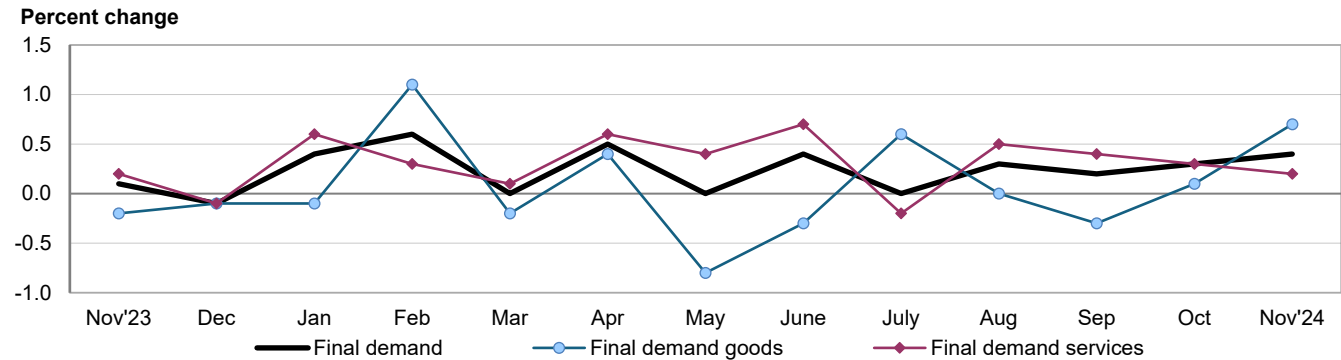
### PRODUCER PRICE INDEXES – NOVEMBER 2024

The Producer Price Index for final demand rose 0.4 percent in November, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. Final demand prices increased 0.3 percent in October and 0.2 percent in September. (See table A.) On an unadjusted basis, the index for final demand advanced 3.0 percent for the 12 months ended in November, the largest rise since moving up 4.7 percent for the 12 months ended February 2023.

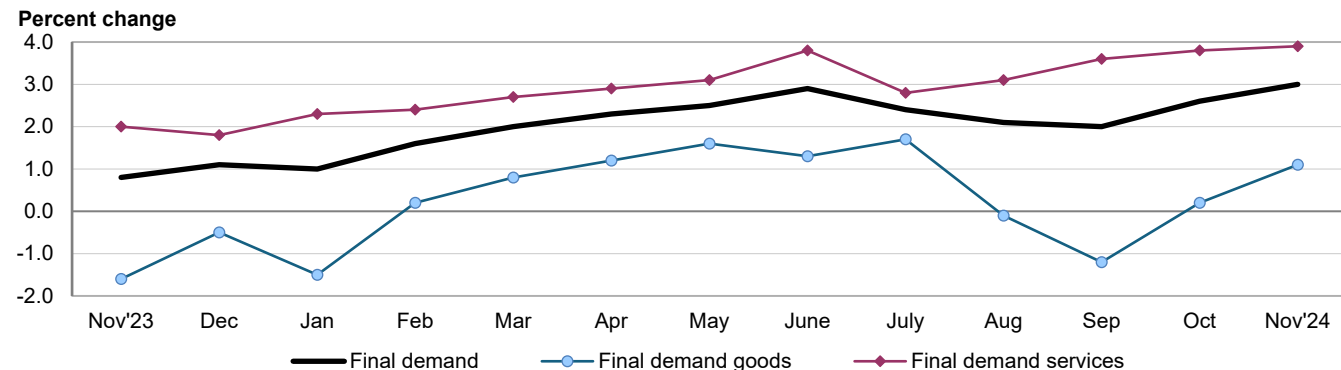
In November, nearly 60 percent of the broad-based rise in final demand prices can be attributed to a 0.7-percent increase in the index for final demand goods. Prices for final demand services moved up 0.2 percent.

The index for final demand less foods, energy, and trade services inched up 0.1 percent in November after rising 0.3 percent in October. For the 12 months ended in November, prices for final demand less foods, energy, and trade services advanced 3.5 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 goods:** The index for final demand goods moved up 0.7 percent in November, the largest increase since rising 1.1 percent in February. Eighty percent of the broad-based advance in November can be traced to prices for final demand foods, which jumped 3.1 percent. The indexes for final demand goods less foods and energy and for final demand energy both increased 0.2 percent.

*Product detail:* A quarter of the November rise in prices for final demand goods is attributable to a 54.6-percent jump in the index for chicken eggs. Prices for fresh and dry vegetables, fresh fruits and melons, processed poultry, non-electronic cigarettes, and residential electric power also increased. In contrast, the index for oilseeds declined 4.7 percent. Prices for diesel fuel and for primary basic organic chemicals also decreased. (See table 2.)

**Final demand services:** The index for final demand services rose 0.2 percent in November, the fourth consecutive increase. Leading the advance in November, margins for final demand trade services moved up 0.8 percent. (Trade indexes measure changes in margins received by wholesalers and retailers.) The index for final demand services less trade, transportation, and warehousing rose 0.1 percent. Conversely, prices for final demand transportation and warehousing services fell 0.5 percent.

*Product detail:* Over one-third of the advance in prices for final demand services can be traced to margins for machinery and vehicle wholesaling, which increased 1.8 percent. The indexes for securities brokerage, dealing, and investment advice; automotive fuels and lubricants retailing; food wholesaling; food and alcohol retailing; and apparel, footwear, and accessories retailing also rose. In contrast, prices for airline passenger services declined 2.1 percent. The indexes for guestroom rental and for computer hardware, software, and supplies retailing also decreased.

**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>												
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. . .	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...	0.4	0.2	-0.3	0.1	-2.0	0.1	0.7	1.9	-0.1	0.3	2.9	3.4
July <sup>1</sup> ..	0.0	0.4	0.6	0.6	1.7	0.2	-0.2	-1.9	1.2	0.4	2.4	3.5
Aug. <sup>1</sup> ..	0.3	0.2	0.0	0.3	-1.0	0.2	0.5	1.1	-0.9	0.3	2.1	3.5
Sept. <sup>1</sup> ..	0.2	0.1	-0.3	0.8	-3.0	0.2	0.4	1.1	0.0	0.1	2.0	3.3
Oct. <sup>1</sup> ..	0.3	0.3	0.1	0.0	0.1	0.2	0.3	0.1	0.7	0.4	2.6	3.5
Nov....	0.4	0.1	0.7	3.1	0.2	0.2	0.2	0.8	-0.5	0.1	3.0	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 July 2024 through October 2024 have been revised to reflect the availability of late reports and corrections by respondents.

## Intermediate Demand by Commodity Type

Within intermediate demand in November, prices for processed goods were unchanged, the index for unprocessed goods rose 0.6 percent, and prices for services fell 0.3 percent. (See tables B and C.)

**Processed goods for intermediate demand:** The index for processed goods for intermediate demand was unchanged in November following a 0.6-percent advance in October. In November, a 0.1-percent increase in prices for processed materials less foods and energy and a 0.9-percent rise in the index for processed foods and feeds offset a 1.2-percent decline in prices for processed energy goods. For the 12 months ended in November, the index for processed goods for intermediate demand moved down 0.5 percent.

*Product detail:* Within processed goods for intermediate demand in November, the index for particleboard and fiberboard jumped 11.4 percent. Prices for processed poultry; structural, architectural, and pre-engineered metal products; thermoplastics resins and plastics materials; and residual fuels also moved higher. Conversely, the index for diesel fuel fell 2.1 percent. Prices for primary basic organic chemicals, commercial electric power, industrial electric power, and prepared animal feeds also declined.

**Unprocessed goods for intermediate demand:** The index for unprocessed goods for intermediate demand rose 0.6 percent in November after increasing 2.4 percent in October. Leading the November advance, prices for unprocessed foodstuffs and feedstuffs jumped 2.9 percent. The index for unprocessed nonfood materials less energy moved up 0.4 percent. In contrast, prices for unprocessed energy materials decreased 2.0 percent. For the 12 months ended in November, the index for unprocessed goods for intermediate demand fell 1.9 percent.

*Product detail:* A major factor in the November rise in prices for unprocessed goods for intermediate demand was the index for slaughter barrows and gilts, which increased 23.0 percent. Prices for ungraded chicken eggs, corn, strawberries, natural gas, and aluminum base scrap also moved higher. Conversely, the crude petroleum index decreased 3.3 percent. Prices for raw milk and for nonferrous metal ores also declined.

**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>										
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.....	-1.4	0.4	-7.5	0.1	-0.6	0.0	2.8	-3.9	1.9	-0.1
June.....	-0.1	0.7	-0.7	0.0	-0.2	0.6	-1.2	3.1	-0.5	1.7
July <sup>1</sup> .....	0.6	1.5	2.4	0.1	0.8	2.0	1.9	3.2	0.4	1.4
Aug. <sup>1</sup> .....	-0.2	-0.2	-0.9	0.1	-1.3	-3.3	-1.3	-6.7	-1.1	-3.9
Sept. <sup>1</sup> ....	-0.8	0.8	-4.7	-0.1	-2.7	-1.6	3.9	-9.6	1.8	-8.2
Oct. <sup>1</sup> .....	0.6	0.1	1.6	0.3	-1.2	2.4	-1.1	6.9	1.7	-4.4
Nov.....	0.0	0.9	-1.2	0.1	-0.5	0.6	2.9	-2.0	0.4	-1.9

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for July 2024 through October 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 decreased 0.3 percent in November, the largest drop since moving down 0.4 percent in June 2022. The November decline can be attributed to prices for services less trade, transportation, and warehousing for intermediate demand, which fell 0.6 percent. In contrast, the indexes for trade services for intermediate demand and for transportation and warehousing services for intermediate demand rose 0.3 percent and 0.1 percent, respectively. For the 12 months ended in November, prices for services for intermediate demand increased 3.0 percent.

*Product detail:* Three-fourths of the November decline in the index for services for intermediate demand can be traced to a 5.1-percent decrease in prices for business loans (partial). The indexes for broadcast and network television advertising time sales; gross rents for retail properties; services related to securities brokerage and dealing (partial); metals, minerals, and ores wholesaling; and airline passenger services also moved lower. Conversely, margins for food wholesaling increased 1.6 percent. The indexes for securities brokerage, dealing, and investment advice and for courier, messenger, and U.S. postal services also rose.

**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>					
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.....	0.3	0.6	0.5	0.2	3.5
June.....	0.4	0.8	-0.3	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	3.8
Sept. <sup>1</sup> ....	0.2	0.0	0.1	0.2	3.6
Oct. <sup>1</sup> .....	0.2	0.4	0.5	0.1	3.8
Nov.....	-0.3	0.3	0.1	-0.6	3.0

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for July 2024 through October 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 were unchanged in November after rising 0.3 percent in October. In November, a 0.4-percent advance in the index for total goods inputs to stage 4 intermediate demand offset a 0.3-percent decline in prices for total services inputs. (See table D.) Increases in the indexes for corn; securities brokerage, dealing, and investment advice; food wholesaling; structural, architectural, and pre-engineered metal products; and particleboard and fiberboard offset decreases in prices for business loans (partial), gross rents for retail properties, services related to securities brokerage and dealing (partial), commercial electric power, and industrial electric power. For the 12 months ended in November, the index for stage 4 intermediate demand advanced 2.3 percent.

**Stage 3 intermediate demand:** The index for stage 3 intermediate demand increased 0.1 percent in November after rising 0.2 percent in October. In November, prices for total goods inputs to stage 3 intermediate demand moved up 0.5 percent. Conversely, the index for total services inputs edged down 0.1 percent. Higher prices for slaughter barrows and gilts; ungraded chicken eggs; corn; courier, messenger, and U.S. postal services; and cable network advertising time sales outweighed declines in the indexes for business loans (partial), raw milk, primary basic organic chemicals, and broadcast and network television advertising time sales. For the 12 months ended in November, prices for stage 3 intermediate demand moved up 1.3 percent, the largest increase since rising 2.2 percent for the 12 months ended in July.

**Stage 2 intermediate demand:** The index for stage 2 intermediate demand declined 0.8 percent in November after rising 1.4 percent in October. In November, prices for total goods inputs to stage 2 intermediate demand fell 1.1 percent and the index for total services inputs decreased 0.7 percent. Declining prices for crude petroleum, business loans (partial), broadcast and network television advertising time sales, oilseeds, primary basic organic chemicals, and liquified petroleum gas outweighed advances in the indexes for natural gas, food wholesaling, and automotive fuels and lubricants retailing. For the 12 months ended in November, prices for stage 2 intermediate demand fell 0.2 percent.

**Stage 1 intermediate demand:** The index for stage 1 intermediate demand fell 0.1 percent in November after rising 0.3 percent in October. In November, prices for total services inputs to stage 1 intermediate demand decreased 0.3 percent, while the index for total goods inputs was unchanged. Lower prices for gross rents for retail properties, primary basic organic chemicals, guestroom rental, diesel fuel, and broadcast and network television advertising time sales outweighed increases in the indexes for securities brokerage, dealing, and investment advice; corn; structural, architectural, and pre-engineered metal products; and residual fuels. For the 12 months ended in November, prices for stage 1 intermediate demand rose 0.5 percent.

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

Month	Stage 4 intermediate demand			Stage 3 intermediate demand			Stage 2 intermediate demand			Stage 1 intermediate demand		
	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs
<b>2023</b>												
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.....	-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.....	0.1	-0.1	0.3	-0.1	-0.3	0.1	0.8	1.2	0.5	0.2	-0.2	0.5
July <sup>1</sup> .....	0.5	0.1	0.8	0.7	1.2	0.3	0.5	1.5	-0.1	0.6	0.7	0.5
Aug. <sup>1</sup> .....	0.0	0.0	0.1	-0.3	-0.5	-0.2	-1.1	-3.0	0.2	0.0	-0.1	0.2
Sept. <sup>1</sup> ....	0.0	0.1	-0.1	-0.1	-0.5	0.3	-1.2	-3.6	0.5	-0.5	-0.9	0.0
Oct. <sup>1</sup> .....	0.3	0.3	0.4	0.2	0.2	0.2	1.4	3.4	0.0	0.3	0.4	0.1
Nov.....	0.0	0.4	-0.3	0.1	0.5	-0.1	-0.8	-1.1	-0.7	-0.1	0.0	-0.3

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

**The Producer Price Index for December 2024 is scheduled to be released on Tuesday, January 14, 2025, at 8:30 a.m. (ET).**

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**Recalculated Relative Importance Figures and Seasonal Adjustment Factors to be Available on February 13, 2025**

Each year with the release of PPI data for January, relative importance figures and seasonal adjustment factors are recalculated to reflect price movements from the just-completed calendar year. The following information will be released on February 13, 2025, at 8:30 AM eastern time, in conjunction with the release of PPI data for January 2025, and will be available on the PPI website at [www.bls.gov/ppi/tables/](http://www.bls.gov/ppi/tables/).

Relative Importance Figure Tables for December 2024:

- Final demand by individual commodities
- Final demand by component series
- Individual commodities of intermediate demand by commodity type
- Component series of intermediate demand by commodity type
- Individual commodities of intermediate demand by production flow
- Component series of intermediate demand by production flow
- Commodities, all levels
- Wherever-provided services and construction

Seasonal Factor Update:

- Direct seasonal factors for PPI commodity indexes for 2025
- Recalculated seasonal factors for the last 5 years (2020-2024) for PPI commodity indexes
- Recalculated seasonal factors for the last 5 years (2020-2024) for PPI Final Demand-Intermediate Demand indexes

Recalculated seasonal index data for 2020-2024 for the Final Demand-Intermediate Demand and commodity indexes also will be posted to the PPI database on the BLS website on February 13, 2025, at 8:30 AM eastern time.

For additional information, contact the PPI Section of Index Analysis and Public Information at [ppi-info@bls.gov](mailto:ppi-info@bls.gov) or (202) 691-7705.

# 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**  
 [November 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Nov. 2023 to Nov. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			June to July	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>	Oct. to Nov. <sup>P</sup>
<b>Final Demand</b>									
Final demand.....	FD	4	100.000	3.0	0.0	0.3	0.2	0.3	0.4
Final demand goods.....	FD	41	30.162	1.1	0.6	0.0	-0.3	0.1	0.7
Final demand foods.....	FD	411	5.633	5.1	0.6	0.3	0.8	0.0	3.1
Finished consumer foods <sup>3</sup> .....	FD	4111	4.307	6.9	0.6	0.8	0.6	-0.3	3.5
Finished consumer foods, crude.....	FD	41113	0.351	33.7	-2.6	12.0	-0.8	-5.1	31.2
Finished consumer foods, processed.....	FD	41112	3.956	4.3	0.9	-0.2	0.8	0.2	0.9
Government purchased foods.....	FD	4112	0.410	4.3	1.9	-0.7	0.9	0.7	0.9
Foods for export.....	FD	4113	0.916	-3.1	0.1	-1.9	1.4	1.2	2.0
Final demand energy.....	FD	412	5.517	-6.2	1.7	-1.0	-3.0	0.1	0.2
Finished consumer energy goods <sup>3</sup> .....	FD	4121	4.292	-4.0	1.2	-0.6	-2.2	-0.1	0.4
Government purchased energy.....	FD	4122	0.834	-13.2	3.7	-2.6	-5.8	1.2	-0.7
Energy for export.....	FD	4123	0.391	-15.3	3.7	-3.2	-5.8	-0.1	-0.2
Final demand goods less foods and energy.....	FD	413	19.012	2.2	0.2	0.2	0.2	0.2	0.2
Finished goods less foods and energy <sup>3</sup> .....	FD	4131	10.933	2.5	0.1	0.3	0.2	0.1	0.3
Finished consumer goods less foods and energy.....	FD	41311	5.811	2.3	0.1	0.4	0.2	0.1	0.3
Nondurable consumer goods less foods and energy.....	FD	413111	3.522	2.9	0.2	0.6	0.2	0.1	0.4
Durable consumer goods.....	FD	413112	2.289	1.4	0.1	0.1	0.3	0.0	0.2
Private capital equipment.....	FD	41312	5.122	2.7	0.1	0.2	0.2	0.1	0.2
Private capital equipment for manufacturing industries.....	FD	413121	1.254	3.7	0.2	0.3	0.1	0.2	0.2
Private capital equipment for nonmanufacturing industries.....	FD	413122	3.868	2.3	0.1	0.2	0.3	0.1	0.2
Government purchased goods, excluding foods and energy.....	FD	4132	1.971	2.1	0.3	0.1	0.2	0.0	0.1
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.146	1.9	0.4	0.2	0.2	-0.1	0.0
Government purchased capital equipment.....	FD	41322	0.825	2.5	0.1	0.1	0.2	0.1	0.2
Goods for export, excluding foods and energy.....	FD	4133	6.108	1.8	0.3	-0.1	0.0	0.5	0.1
Final demand services.....	FD	42	67.184	3.9	-0.2	0.5	0.4	0.3	0.2
Final demand trade services <sup>4</sup> .....	FD	423	19.195	3.2	-1.9	1.1	1.1	0.1	0.8
Trade of finished goods <sup>3</sup> .....	FD	4231	16.558	3.0	-2.0	1.0	1.2	-0.1	0.8
Trade of personal consumption goods.....	FD	42311	13.605	2.0	-1.6	0.3	0.9	-0.4	0.8
Trade of private capital equipment.....	FD	42312	2.953	7.2	-3.6	4.2	2.5	1.3	1.2
Trade of government purchased goods.....	FD	4232	0.745	5.4	-2.0	1.6	1.3	0.8	0.9
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.474	2.3	0.0	-0.6	-0.2	0.6	0.4
Trade of government purchased capital equipment.....	FD	42322	0.271	10.6	-5.1	5.3	3.8	1.2	1.7
Trade of exports.....	FD	4233	1.892	4.8	-1.1	1.8	0.9	0.9	0.6
Final demand transportation and warehousing services.....	FD	422	4.931	0.1	1.2	-0.9	0.0	0.7	-0.5
Transportation of passengers for final demand.....	FD	4221	1.271	-0.2	0.2	-1.0	1.0	2.6	-2.1
Transportation of private passengers.....	FD	42211	0.857	-0.2	0.2	-1.0	1.0	2.6	-2.1
Transportation of government passengers.....	FD	42212	0.103	-0.2	0.2	-1.0	1.0	2.6	-2.1
Transportation of passengers for export.....	FD	42213	0.311	-0.2	0.2	-1.0	1.0	2.6	-2.1
Transportation and warehousing of goods for final demand.....	FD	4222	3.660	0.1	1.5	-0.8	-0.3	0.1	0.0
Transportation and warehousing of finished goods <sup>3</sup> .....	FD	42221	2.368	-0.2	1.6	-0.9	-0.4	0.0	-0.1
Transportation and warehousing of personal consumption goods.....	FD	422211	1.908	0.0	1.5	-0.8	-0.4	0.1	0.0
Transportation and warehousing of private capital equipment.....	FD	422212	0.460	-0.9	1.7	-1.2	-0.4	0.0	-0.1
Transportation and warehousing of government purchased goods.....	FD	42222	0.220	0.6	1.3	-0.4	-0.3	0.2	-0.1
Transportation and warehousing of exports.....	FD	42223	1.072	0.7	1.4	-0.8	-0.2	0.1	0.2
Final demand services less trade, transportation, and warehousing.....	FD	421	43.059	4.6	0.4	0.3	0.1	0.4	0.1
Finished services less trade, transportation, and warehousing <sup>3</sup> .....	FD	4211	37.528	4.4	0.3	0.4	0.1	0.4	0.1
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	33.067	4.5	0.2	0.4	0.1	0.5	0.1
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	4.461	3.6	1.0	-0.1	0.3	0.0	0.1
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.810	4.8	0.4	0.1	0.2	0.4	-0.1
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.647	4.7	0.3	0.2	0.2	0.4	-0.1
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.163	6.5	2.3	-0.7	0.5	0.7	-0.1
Services for export less trade, transportation, and warehousing.....	FD	4213	2.721	6.9	0.7	0.2	0.0	0.0	0.0
Final demand construction.....	FD	43	2.654	1.6	0.8	0.0	0.1	-0.2	0.0
Construction for private capital investment.....	FD	431	1.844	1.3	0.6	0.0	0.1	-0.2	0.0
Construction for government.....	FD	432	0.810	2.1	1.1	0.0	0.1	-0.1	0.0
<b>Special Groupings of Final Demand</b>									
Final demand less exports.....	FD	49101	86.589	3.1	0.0	0.4	0.2	0.2	0.4
Final demand less government.....	FD	49102	92.097	3.1	0.0	0.3	0.2	0.2	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**  
 [November 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Nov. 2023 to Nov. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			June to July	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>	Oct. to Nov. <sup>P</sup>
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>5</sup> .....	FD	49103	88.421	3.4	-0.2	0.4	0.3	0.3	0.2
Final demand less foods and energy <sup>5</sup> .....	FD	49104	88.850	3.4	-0.1	0.4	0.3	0.3	0.2
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>5</sup> .....	FD	49105	93.938	2.8	0.0	0.3	0.1	0.3	0.2
Final demand less foods <sup>5</sup> .....	FD	49106	94.367	2.9	0.0	0.3	0.1	0.3	0.2
Final demand less energy.....	FD	49107	94.483	3.5	-0.1	0.4	0.4	0.3	0.4
Final demand less trade services.....	FD	49108	80.805	2.9	0.5	0.1	0.0	0.3	0.3
Final demand less distributive services <sup>6</sup> .....	FD	49109	77.145	3.1	0.4	0.2	0.0	0.3	0.3
Final demand goods less energy.....	FD	49111	24.645	2.9	0.3	0.2	0.3	0.2	0.8
Final demand goods less foods.....	FD	49112	24.529	0.2	0.5	-0.1	-0.6	0.2	0.2
Final demand services less trade services.....	FD	49113	47.990	4.1	0.4	0.2	0.1	0.4	0.0
Final demand distributive services <sup>6</sup> .....	FD	49114	22.855	2.7	-1.4	0.8	0.9	0.1	0.7
Final demand goods plus final demand distributive services <sup>6</sup> .....	FD	49115	53.017	1.8	-0.3	0.3	0.2	0.1	0.7
Final demand less foods, energy, and trade services <sup>5</sup> .....	FD	49116	69.655	3.5	0.4	0.2	0.1	0.3	0.1
Private and government purchased capital equipment.....	FD	49117	5.947	2.7	0.1	0.2	0.2	0.1	0.2
Private and government purchased capital investment services.....	FD	49118	8.308	5.0	-0.9	1.6	1.2	0.6	0.6
Total private and government purchased capital investment.....	FD	49119	14.255	3.6	-0.3	0.8	0.7	0.3	0.4
Total finished <sup>3</sup> .....	FD	49201	78.687	3.2	-0.1	0.4	0.2	0.2	0.4
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>3, 5</sup> .....	FD	49202	69.663	3.5	-0.2	0.4	0.4	0.2	0.3
Total finished less foods and energy <sup>3, 5</sup> .....	FD	49203	70.088	3.5	-0.2	0.4	0.4	0.2	0.3
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>3, 5</sup> .....	FD	49204	73.955	3.0	-0.1	0.4	0.2	0.2	0.3
Total finished less foods <sup>3, 5</sup> .....	FD	49205	74.380	3.0	-0.1	0.4	0.2	0.2	0.3
Total finished less energy <sup>3</sup> .....	FD	49206	74.395	3.7	-0.2	0.5	0.4	0.2	0.4
Finished goods <sup>3</sup> .....	FD	49207	19.532	2.0	0.5	0.2	-0.2	0.0	1.0
Finished goods less energy <sup>3</sup> .....	FD	49208	15.240	3.7	0.3	0.4	0.3	0.0	1.2
Finished goods, excluding foods <sup>3, 5</sup> .....	FD	49209	15.225	0.6	0.4	0.1	-0.5	0.0	0.3
Finished services <sup>3</sup> .....	FD	49210	57.311	3.7	-0.3	0.5	0.4	0.3	0.3
Private capital investment services.....	FD	49211	7.874	4.8	-0.8	1.5	1.1	0.5	0.6
Finished distributive services <sup>3, 6</sup> .....	FD	49212	18.926	2.6	-1.6	0.8	1.0	-0.1	0.7
Finished services less trade services <sup>3</sup> .....	FD	49213	40.753	4.0	0.4	0.3	0.1	0.4	0.0
Finished services less distributive services <sup>3, 6</sup> .....	FD	49214	38.385	4.3	0.3	0.3	0.1	0.5	0.0
Total private capital investment (goods, services, and construction).....	FD	49215	14.840	3.6	-0.3	0.9	0.7	0.3	0.4
Finished goods plus finished distributive services <sup>3, 6</sup> .....	FD	49216	38.458	2.3	-0.5	0.5	0.4	0.0	0.9
Total exports.....	FD	49301	13.411	2.2	0.3	-0.1	0.1	0.5	0.2
Goods for export.....	FD	49302	7.415	0.2	0.4	-0.5	-0.1	0.5	0.3
Services for export.....	FD	49303	5.996	4.8	0.2	0.4	0.3	0.5	0.1
Total government purchases.....	FD	49401	7.903	1.7	0.6	-0.1	-0.3	0.4	0.0
Government purchased goods.....	FD	49402	3.215	-1.8	1.3	-0.7	-1.2	0.4	0.0
Government purchased services.....	FD	49403	3.878	4.6	0.0	0.4	0.4	0.5	0.0
Total government purchased capital investment (goods, services, construction).....	FD	49404	2.069	3.8	-0.1	0.7	0.7	0.2	0.3
Government purchases, defense.....	FD	49405	2.356	0.5	0.4	-0.4	-0.1	0.5	0.1
Government purchases, non-defense.....	FD	49406	5.547	2.2	0.8	0.0	-0.3	0.4	0.0
Personal consumption.....	FD	49501	63.847	3.1	0.0	0.3	0.1	0.2	0.5
Personal consumption goods (finished consumer goods).....	FD	49502	14.410	1.7	0.6	0.2	-0.4	-0.1	1.3
Personal consumption goods less energy.....	FD	49503	10.118	4.3	0.3	0.6	0.4	-0.1	1.7
Personal consumption goods less foods.....	FD	49504	10.103	-0.4	0.6	0.0	-0.8	0.0	0.3
Personal consumption nondurable goods less foods.....	FD	49508	7.814	-0.9	0.7	-0.1	-1.1	0.0	0.4
Personal consumption services.....	FD	49505	49.437	3.6	-0.2	0.3	0.3	0.2	0.2
Personal consumption less trade services.....	FD	49506	50.242	3.5	0.4	0.3	-0.1	0.3	0.4
Personal consumption less distributive services <sup>6</sup> .....	FD	49507	48.334	3.6	0.3	0.3	0.0	0.3	0.4
Personal consumption less foods and energy.....	FD	49510	55.248	3.4	-0.2	0.3	0.3	0.2	0.2
Personal consumption less foods, energy, and trade services <sup>4</sup> .....	FD	49511	41.643	3.9	0.3	0.3	0.1	0.4	0.1
Personal consumption less foods, energy, and distributive services <sup>6</sup> .....	FD	49512	39.735	4.1	0.2	0.4	0.1	0.4	0.1
Personal consumption goods plus personal consumption distributive services <sup>6</sup> .....	FD	49509	29.923	1.7	-0.4	0.2	0.2	-0.2	1.0
<b>Intermediate Demand by Commodity Type</b>									
<b>Processed goods</b>									
Processed goods for intermediate demand.....	ID6	1	100.000	-0.5	0.6	-0.2	-0.8	0.6	0.0
Materials and components for manufacturing.....	ID6	11	43.169	1.7	0.2	-0.1	-0.1	0.4	0.3
Materials for manufacturing.....	ID6	111	26.499	1.7	0.4	-0.4	-0.1	0.6	0.3
Materials for food manufacturing.....	ID6	1111	4.375	6.2	1.6	0.0	0.8	-0.2	1.5
Materials for nondurable manufacturing.....	ID6	1112	11.774	1.1	1.5	0.1	-0.5	0.4	-0.5
Materials for durable manufacturing.....	ID6	1113	10.350	0.7	-1.5	-1.2	-0.1	1.1	0.8
Components for manufacturing.....	ID6	112	16.670	1.6	0.0	0.3	0.0	0.1	0.1

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Nov. 2023 to Nov. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			June to July	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>	Oct. to Nov. <sup>P</sup>
Components for nondurable manufacturing.....	ID6	1121	0.804	1.7	0.1	0.5	-0.1	0.1	-0.4
Components for durable manufacturing.....	ID6	1122	15.866	1.6	0.0	0.3	0.0	0.1	0.1
Materials and components for construction.....	ID6	12	10.782	1.3	-0.2	0.3	0.0	0.4	0.3
Materials for construction.....	ID6	121	4.753	2.2	-0.4	0.0	0.2	0.6	0.6
Components for construction.....	ID6	122	6.029	0.5	0.0	0.6	-0.1	0.2	0.2
Processed fuels and lubricants for intermediate demand.....	ID6	13	18.656	-9.0	2.4	-0.9	-4.7	1.6	-1.2
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.711	-8.0	1.0	-0.4	-3.1	2.3	-1.8
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	13.945	-9.3	2.9	-1.1	-5.2	1.4	-1.0
Containers for intermediate demand.....	ID6	14	3.090	2.7	0.5	0.5	0.4	0.5	0.0
Supplies for intermediate demand.....	ID6	15	24.303	1.2	0.3	0.1	0.2	0.2	0.2
Supplies to manufacturing industries.....	ID6	151	3.234	2.5	0.0	0.1	0.2	0.1	0.1
Supplies to nonmanufacturing industries.....	ID6	152	21.069	1.0	0.3	0.1	0.2	0.2	0.2
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	2.208	-7.6	1.4	-0.9	0.3	1.0	-0.7
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	18.861	2.1	0.2	0.2	0.2	0.1	0.3
<b>Unprocessed goods</b>									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	-1.9	2.0	-3.3	-1.6	2.4	0.6
Unprocessed foodstuffs and feedstuffs.....	ID6	21	37.665	5.5	1.9	-1.3	3.9	-1.1	2.9
Unprocessed nonfood materials.....	ID6	22	62.334	-6.4	2.1	-4.6	-5.1	4.7	-1.0
Unprocessed nonfood materials except fuel.....	ID6	221	51.132	-5.1	2.1	-3.0	-6.2	3.7	-1.5
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	48.525	-5.7	2.2	-3.2	-6.5	3.8	-1.6
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	2.607	7.4	0.9	0.7	0.5	0.5	0.6
Unprocessed fuel.....	ID6	222	11.202	-12.6	2.2	-13.6	1.9	11.1	1.6
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.016	-4.2	0.5	-2.9	-1.0	2.4	0.2
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	10.186	-13.4	2.4	-14.9	2.3	12.2	1.8
<b>Services</b>									
Services for intermediate demand.....	ID6	3	100.000	3.0	0.3	0.1	0.2	0.2	-0.3
Trade services for intermediate demand <sup>6</sup> .....	ID6	33	18.284	1.3	0.4	0.1	0.0	0.4	0.3
Trade services for manufacturing industries.....	ID6	331	9.046	0.8	1.0	0.1	-0.2	0.9	0.0
Trade services for nonmanufacturing industries.....	ID6	332	9.238	1.7	-0.1	0.2	0.1	0.0	0.6
Transportation and warehousing services for intermediate demand.....	ID6	32	14.025	3.7	0.7	-0.2	0.1	0.5	0.1
Transportation of passengers for intermediate demand.....	ID6	321	1.039	-0.2	0.2	-1.0	0.9	2.6	-2.1
Transportation of passengers for manufacturing industries.....	ID6	3211	0.124	-0.2	0.2	-1.0	1.0	2.6	-2.1
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.915	-0.2	0.2	-1.0	0.9	2.5	-2.0
Transportation and warehousing of goods for intermediate demand.....	ID6	322	12.986	4.0	0.7	-0.2	0.1	0.3	0.3
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.724	0.4	1.0	-0.8	-0.1	0.2	0.0
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	10.262	5.0	0.7	0.0	0.1	0.4	0.4
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	67.691	3.3	0.2	0.1	0.2	0.1	-0.6
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.126	4.7	0.2	0.4	0.3	0.2	0.0
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	65.565	3.2	0.2	0.1	0.2	0.1	-0.6
<b>Construction</b>									
Construction for intermediate demand.....	ID6	4	100.000	4.5	0.2	0.2	0.0	0.0	0.0
<b>Special Groupings of Intermediate Demand by Commodity Type</b>									
Processed materials less foods and feeds.....	ID6	9111	91.107	-0.8	0.5	-0.1	-1.0	0.6	-0.1
Processed foods and feeds.....	ID6	9112	8.893	2.7	1.5	-0.2	0.8	0.1	0.9
Processed energy goods.....	ID6	9113	18.656	-9.0	2.4	-0.9	-4.7	1.6	-1.2
Processed materials less energy.....	ID6	9118	81.344	1.5	0.2	0.0	0.0	0.3	0.2
Processed materials less foods and energy.....	ID6	9115	72.451	1.4	0.1	0.1	-0.1	0.3	0.1
Intermediate distributive services <sup>7</sup> .....	ID6	9116	31.270	2.4	0.6	0.0	0.0	0.4	0.3
Processed goods plus intermediate distributive services.....	ID6	9117	-	0.4	0.6	-0.1	-0.6	0.5	0.1
Unprocessed materials less agricultural products.....	ID6	9211	57.180	-6.2	2.7	-4.9	-5.8	5.3	-1.5
Unprocessed energy materials <sup>8</sup> .....	ID6	9212	37.534	-11.9	3.2	-6.7	-9.6	6.9	-2.0
Unprocessed materials less energy.....	ID6	9213	62.466	4.5	1.3	-1.2	3.1	0.0	1.9
Unprocessed nonfood materials less energy <sup>9</sup> .....	ID6	9216	24.801	3.0	0.4	-1.1	1.8	1.7	0.4
<b>Intermediate Demand by Production Flow</b>									
<b>Stage 4 Intermediate Demand</b>									
Stage 4 intermediate demand.....	ID5	4	100.000	2.3	0.5	0.0	0.0	0.3	0.0
Inputs to stage 4 goods producers.....	ID5	41	29.667	1.4	0.5	0.0	0.2	0.4	0.4
Goods.....	ID5	411	21.624	1.1	0.0	-0.1	0.4	0.0	0.5

See footnotes at end of table.



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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Nov. 2023 to Nov. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			June to July	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>	Oct. to Nov. <sup>P</sup>
Foods.....	ID5	4111	2.954	1.2	0.6	-0.7	1.6	-0.1	3.1
Energy.....	ID5	4112	0.170	-13.6	-2.6	1.5	2.7	-1.9	-1.0
Goods excluding foods and energy.....	ID5	4113	18.500	1.2	0.0	0.0	0.2	0.1	0.2
Services.....	ID5	412	8.043	2.4	1.6	0.1	-0.4	1.3	0.0
Trade services.....	ID5	4123	6.035	2.3	2.1	0.2	-0.6	1.6	0.0
Transportation and warehousing services.....	ID5	4122	0.492	0.3	0.9	-0.6	0.1	0.4	-0.4
Transportation of passengers.....	ID5	41221	0.076	-0.2	0.2	-1.0	1.0	2.6	-2.1
Transportation and warehousing of goods.....	ID5	41222	0.416	0.4	1.0	-0.5	0.0	0.1	-0.1
Services less trade, transportation, and warehousing.....	ID5	4121	1.516	3.3	-0.3	0.3	0.2	0.3	0.0
Inputs to stage 4 services producers.....	ID5	42	55.647	3.3	0.6	0.0	0.0	0.3	-0.2
Goods.....	ID5	421	13.690	1.1	0.3	-0.2	0.0	0.4	0.0
Foods.....	ID5	4211	2.275	5.6	1.6	-0.8	1.8	0.3	2.0
Energy.....	ID5	4212	4.008	-2.4	0.1	-0.7	-1.4	1.1	-1.2
Goods excluding foods and energy.....	ID5	4213	7.407	1.7	0.1	0.2	0.2	0.1	0.0
Services.....	ID5	422	41.904	4.0	0.7	0.1	-0.1	0.2	-0.3
Trade services.....	ID5	4223	4.118	2.2	0.9	-0.1	-0.3	0.7	0.2
Transportation and warehousing services.....	ID5	4222	3.751	4.3	0.5	0.6	0.1	0.7	-0.1
Transportation of passengers.....	ID5	42221	0.484	-0.2	0.2	-1.0	1.0	2.6	-2.1
Transportation and warehousing of goods.....	ID5	42222	3.267	4.9	0.5	0.9	0.0	0.4	0.2
Services less trade, transportation, and warehousing.....	ID5	4221	34.035	4.1	0.7	0.0	-0.1	0.1	-0.4
Construction.....	ID5	423	0.053	4.5	0.2	0.2	0.0	0.0	0.0
Inputs to stage 4 construction producers.....	ID5	43	14.686	0.5	0.2	0.2	-0.3	0.5	0.3
Goods.....	ID5	431	10.699	0.7	0.1	0.3	-0.4	0.6	0.5
Energy.....	ID5	4312	0.763	-12.1	3.3	0.3	-7.1	0.8	0.2
Goods excluding foods and energy.....	ID5	4313	9.936	1.7	-0.2	0.3	0.1	0.5	0.5
Services.....	ID5	432	3.987	0.0	0.4	0.0	0.0	0.2	0.0
Trade services.....	ID5	4323	1.737	-1.4	0.4	0.2	-0.1	0.5	0.1
Transportation and warehousing services.....	ID5	4322	0.661	-0.9	1.6	-1.1	-0.3	0.0	-0.2
Transportation of passengers.....	ID5	43221	0.015	-0.2	0.2	-1.0	1.0	2.6	-2.1
Transportation and warehousing of goods.....	ID5	43222	0.646	-0.9	1.6	-1.1	-0.4	0.0	-0.1
Services less trade, transportation, and warehousing.....	ID5	4321	1.589	2.0	-0.1	0.2	0.3	0.0	0.1
<b>Stage 3 Intermediate Demand</b>									
Stage 3 intermediate demand.....	ID5	3	100.000	1.3	0.7	-0.3	-0.1	0.2	0.1
Inputs to stage 3 goods producers.....	ID5	31	43.622	2.3	0.6	-0.2	0.7	0.0	0.7
Goods.....	ID5	311	33.726	3.2	0.6	-0.2	0.8	-0.1	0.9
Foods.....	ID5	3111	10.039	10.4	2.4	0.6	3.7	-1.3	2.4
Energy.....	ID5	3112	1.161	-13.9	0.0	-0.5	-6.1	1.9	1.0
Goods excluding foods and energy.....	ID5	3113	22.526	0.9	-0.1	-0.6	-0.2	0.5	0.1
Services.....	ID5	312	9.896	-0.5	0.6	-0.3	0.2	0.4	-0.1
Trade services.....	ID5	3123	5.529	-1.6	0.3	0.0	0.4	0.6	-0.1
Transportation and warehousing services.....	ID5	3122	2.903	0.1	1.4	-1.0	-0.2	0.1	-0.2
Transportation of passengers.....	ID5	31221	0.148	-0.2	0.2	-1.0	1.0	2.6	-2.1
Transportation and warehousing of goods.....	ID5	31222	2.755	0.1	1.5	-1.0	-0.3	0.0	-0.1
Services less trade, transportation, and warehousing.....	ID5	3121	1.464	2.3	0.0	0.0	0.5	0.0	-0.1
Inputs to stage 3 services producers.....	ID5	32	55.201	0.5	0.8	-0.4	-0.7	0.4	-0.3
Goods.....	ID5	321	9.933	-10.2	3.4	-1.4	-5.1	1.5	-0.9
Foods.....	ID5	3211	0.089	-3.0	0.9	-0.8	-0.9	-0.1	0.5
Energy.....	ID5	3212	5.844	-17.7	6.1	-2.4	-8.8	2.5	-1.6
Goods excluding foods and energy.....	ID5	3213	4.000	1.8	-0.1	0.1	0.0	0.3	-0.1
Services.....	ID5	322	44.663	2.9	0.3	-0.2	0.3	0.2	-0.2
Trade services.....	ID5	3223	2.808	0.7	-1.0	-0.9	0.4	-0.1	0.4
Transportation and warehousing services.....	ID5	3222	10.562	6.6	0.8	0.0	0.3	0.4	0.6
Transportation of passengers.....	ID5	32221	0.021	0.0	0.0	0.0	0.1	0.1	0.0
Transportation and warehousing of goods.....	ID5	32222	10.541	6.6	0.8	0.0	0.3	0.4	0.6
Services less trade, transportation, and warehousing.....	ID5	3221	31.293	1.9	0.2	-0.3	0.3	0.2	-0.5
Construction.....	ID5	323	0.605	4.5	0.2	0.2	0.0	0.0	0.0
Inputs to stage 3 construction producers.....	ID5	33	1.176	0.9	0.0	0.5	0.3	-0.6	0.7
Goods.....	ID5	331	0.571	2.0	-0.5	-0.2	0.5	0.0	0.6
Goods excluding foods and energy.....	ID5	3313	0.571	2.0	-0.5	-0.2	0.5	0.0	0.6
Services.....	ID5	332	0.605	-0.2	0.4	1.2	0.2	-1.2	0.8
Trade services.....	ID5	3323	0.558	-0.3	0.5	1.3	0.2	-1.3	0.9
Transportation and warehousing services.....	ID5	3322	0.016	2.2	0.5	-0.2	0.4	0.2	0.2
Transportation and warehousing of goods.....	ID5	33222	0.016	2.2	0.5	-0.2	0.4	0.2	0.2
Services less trade, transportation, and warehousing.....	ID5	3321	0.031	1.7	-0.1	0.1	0.4	0.1	-0.6
<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**  
[November 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Nov. 2023 to Nov. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			June to July	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>	Oct. to Nov. <sup>P</sup>
Stage 2 intermediate demand.....	ID5	2	100.000	-0.2	0.5	-1.1	-1.2	1.4	-0.8
Inputs to stage 2 goods producers.....	ID5	21	50.583	-3.3	1.1	-2.5	-2.8	2.8	-0.8
Goods.....	ID5	211	35.955	-5.7	1.7	-3.4	-4.1	3.9	-1.2
Foods.....	ID5	2111	4.053	-12.3	0.0	-2.6	0.9	3.0	-1.8
Energy.....	ID5	2112	16.236	-11.4	2.9	-6.6	-9.5	7.5	-2.0
Goods excluding foods and energy.....	ID5	2113	15.666	2.5	0.8	-0.1	0.2	0.8	-0.3
Services.....	ID5	212	14.340	2.8	-0.3	-0.2	0.4	0.3	0.2
Trade services.....	ID5	2123	5.608	3.8	-0.7	-0.2	0.3	0.4	0.9
Transportation and warehousing services.....	ID5	2122	4.804	2.0	-0.1	-0.4	0.2	0.5	0.1
Transportation of passengers.....	ID5	21221	0.178	-0.2	0.2	-0.9	0.9	2.5	-2.0
Transportation and warehousing of goods.....	ID5	21222	4.626	2.0	-0.1	-0.4	0.2	0.4	0.2
Services less trade, transportation, and warehousing.....	ID5	2121	3.928	2.3	0.0	0.1	0.7	-0.1	-0.8
Construction.....	ID5	213	0.288	4.5	0.2	0.2	0.0	0.0	0.0
Inputs to stage 2 services producers.....	ID5	22	49.417	3.0	0.0	0.3	0.5	0.0	-0.8
Goods.....	ID5	221	5.237	0.0	0.6	0.2	-0.4	0.2	0.0
Foods.....	ID5	2211	0.050	2.1	0.7	0.6	0.5	2.6	-0.4
Energy.....	ID5	2212	0.321	-11.8	4.5	-1.2	-6.3	0.5	-1.1
Goods excluding foods and energy.....	ID5	2213	4.866	0.8	0.3	0.3	0.0	0.1	0.0
Services.....	ID5	222	43.217	3.4	-0.1	0.3	0.6	-0.1	-0.9
Trade services.....	ID5	2223	2.365	5.1	-1.0	3.8	0.0	-1.7	1.4
Transportation and warehousing services.....	ID5	2222	2.944	6.3	0.4	-2.5	0.1	0.7	0.0
Transportation of passengers.....	ID5	22221	0.414	-0.2	0.2	-1.0	1.0	2.6	-2.1
Transportation and warehousing of goods.....	ID5	22222	2.530	7.4	0.4	-2.7	-0.1	0.4	0.3
Services less trade, transportation, and warehousing.....	ID5	2221	37.908	3.0	-0.1	0.3	0.7	0.0	-1.1
Construction.....	ID5	223	0.963	4.5	0.2	0.2	0.0	0.0	0.0
<b>Stage 1 Intermediate Demand</b>									
Stage 1 intermediate demand.....	ID5	1	100.000	0.5	0.6	0.0	-0.5	0.3	-0.1
Inputs to stage 1 goods producers.....	ID5	11	32.332	-1.1	0.4	-0.3	-0.1	0.2	0.2
Goods.....	ID5	111	23.262	-1.9	0.3	-0.6	-0.2	0.2	0.2
Foods.....	ID5	1111	2.768	-5.6	-1.3	-1.7	1.4	-0.3	3.0
Energy.....	ID5	1112	3.428	-9.1	1.1	-1.0	-1.7	-0.6	-0.9
Goods excluding foods and energy.....	ID5	1113	17.066	0.2	0.4	-0.4	-0.1	0.4	0.0
Services.....	ID5	112	9.069	1.0	0.4	0.4	0.1	0.2	0.0
Trade services.....	ID5	1123	5.496	-1.1	0.4	0.4	0.0	0.4	-0.1
Transportation and warehousing services.....	ID5	1122	0.607	3.2	0.1	-0.4	0.5	1.2	0.1
Transportation of passengers.....	ID5	11221	0.104	-0.2	0.2	-1.0	1.0	2.6	-2.1
Transportation and warehousing of goods.....	ID5	11222	0.503	3.9	0.1	-0.3	0.5	1.0	0.5
Services less trade, transportation, and warehousing.....	ID5	1121	2.966	4.7	0.5	0.5	0.2	-0.3	0.2
Construction.....	ID5	113	0.001	4.5	0.2	0.2	0.0	0.0	0.0
Inputs to stage 1 services producers.....	ID5	12	54.779	1.5	0.7	0.2	-0.6	0.3	-0.4
Goods.....	ID5	121	16.052	-2.1	1.3	0.3	-2.0	0.6	-0.3
Foods.....	ID5	1211	0.064	22.7	5.1	16.8	-4.3	-13.1	8.7
Energy.....	ID5	1212	4.999	-10.1	3.8	-0.1	-6.3	2.0	-1.3
Goods excluding foods and energy.....	ID5	1213	10.989	1.7	0.1	0.4	0.1	0.1	0.0
Services.....	ID5	122	38.724	3.1	0.5	0.1	-0.1	0.2	-0.4
Trade services.....	ID5	1223	3.825	1.1	0.3	-0.2	0.1	0.1	0.3
Transportation and warehousing services.....	ID5	1222	4.432	3.5	0.5	0.7	0.3	1.1	-0.3
Transportation of passengers.....	ID5	12221	1.355	-0.2	0.2	-1.0	1.0	2.6	-2.1
Transportation and warehousing of goods.....	ID5	12222	3.077	5.0	0.7	1.4	0.0	0.4	0.4
Services less trade, transportation, and warehousing.....	ID5	1221	30.467	3.3	0.5	0.1	-0.2	0.1	-0.5
Construction.....	ID5	123	0.003	4.5	0.2	0.2	0.0	0.0	0.0
Inputs to stage 1 construction producers.....	ID5	13	12.891	-0.2	0.7	0.3	-0.7	0.3	0.2
Goods.....	ID5	131	9.196	-0.1	0.6	0.3	-1.0	0.7	0.1
Energy.....	ID5	1312	0.752	-19.1	9.0	1.0	-12.7	4.7	-2.2
Goods excluding foods and energy.....	ID5	1313	8.444	1.8	0.0	0.2	0.0	0.4	0.3
Services.....	ID5	132	3.695	-0.5	0.7	0.4	0.1	-0.7	0.5
Trade services.....	ID5	1323	2.816	-0.5	0.4	0.8	0.3	-0.9	0.7
Transportation and warehousing services.....	ID5	1322	0.783	-1.0	1.8	-1.3	-0.5	0.0	-0.1
Transportation and warehousing of goods.....	ID5	13222	0.783	-1.0	1.8	-1.3	-0.5	0.0	-0.1
Services less trade, transportation, and warehousing.....	ID5	1321	0.096	4.1	-0.2	0.9	0.4	0.0	0.2
<b>Special Groupings of Intermediate Demand by Production Flow</b>									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	46.013	1.0	0.1	0.0	0.1	0.3	0.4
Total services inputs to stage 4 intermediate demand.....	ID5	9412	53.934	3.4	0.8	0.1	-0.1	0.4	-0.3
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.053	4.5	0.2	0.2	0.0	0.0	0.0
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.229	3.1	1.0	-0.7	1.7	0.1	2.6

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Nov. 2023 to Nov. 2024 <sup>p</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			June to July	July to Aug. <sup>p</sup>	Aug. to Sept. <sup>p</sup>	Sept. to Oct. <sup>p</sup>	Oct. to Nov. <sup>p</sup>
Total energy goods inputs to stage 4 intermediate demand.....	ID5	9415	4.941	-4.4	0.5	-0.5	-2.2	0.9	-1.0
Total goods less foods and energy inputs to stage 4 intermediate demand. ....	ID5	9416	35.843	1.4	0.0	0.1	0.2	0.2	0.2
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	44.230	0.1	1.2	-0.5	-0.5	0.2	0.5
Total services inputs to stage 3 intermediate demand.....	ID5	9312	55.164	2.3	0.3	-0.2	0.3	0.2	-0.1
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.605	4.5	0.2	0.2	0.0	0.0	0.0
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	10.128	10.2	2.4	0.6	3.6	-1.3	2.4
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	7.005	-17.0	5.1	-2.1	-8.4	2.4	-1.2
Total goods less foods and energy inputs to stage 3 intermediate demand. ....	ID5	9316	27.097	1.0	-0.1	-0.5	-0.1	0.4	0.1
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	41.192	-4.9	1.5	-3.0	-3.6	3.4	-1.1
Total services inputs to stage 2 intermediate demand.....	ID5	9212	57.557	3.2	-0.1	0.2	0.5	0.0	-0.7
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	1.251	4.5	0.2	0.2	0.0	0.0	0.0
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	4.103	-12.1	0.1	-2.6	0.9	3.0	-1.8
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	16.557	-11.4	2.9	-6.5	-9.4	7.3	-2.0
Total goods less foods and energy inputs to stage 2 intermediate demand. ....	ID5	9216	20.532	2.1	0.7	0.0	0.1	0.7	-0.2
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	48.510	-1.6	0.7	-0.1	-0.9	0.4	0.0
Total services inputs to stage 1 intermediate demand.....	ID5	9112	51.488	2.4	0.5	0.2	0.0	0.1	-0.3
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.004	4.5	0.2	0.2	0.0	0.0	0.0
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	2.832	-5.0	-1.1	-1.1	1.2	-0.7	3.1
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	9.179	-10.5	3.2	-0.4	-5.1	1.2	-1.2
Total goods less foods and energy inputs to stage 1 intermediate demand. ....	ID5	9116	36.499	1.0	0.2	0.0	0.0	0.3	0.1

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

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

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

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

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

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

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

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

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

<sup>p</sup> Preliminary

"/" Data not available.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted**  
 [November 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		Nov. 2023 to Nov. 2024 <sup>P</sup>	June to July	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>
<b>Final Demand</b>								
Final demand.....	FD	4	3.0	0.0	0.3	0.2	0.3	0.4
Final demand goods.....	FD	41	1.1	0.6	0.0	-0.3	0.1	0.7
Final demand foods.....	FD	411	5.1	0.6	0.3	0.8	0.0	3.1
Fresh fruits and melons <sup>2</sup> .....	01	11	11.0	10.3	-2.9	8.3	-3.3	21.8
Fresh and dry vegetables <sup>2</sup> .....	01	13	34.3	-5.4	2.5	-2.5	2.3	33.2
Grains.....	01	2	-10.8	-6.3	-1.2	4.5	-1.6	5.0
Eggs for fresh use <sup>2</sup> .....	01	7107	80.2	-8.9	55.1	-6.2	-22.0	55.6
Oilseeds.....	01	8301	-25.3	-2.0	-6.6	1.6	5.1	-4.7
Bakery products <sup>2</sup> .....	02	11	0.6	0.1	0.1	-0.1	0.3	-0.2
Milled rice <sup>2</sup> .....	02	13	-1.4	-0.2	-0.3	-0.5	-0.5	-0.3
Pasta products <sup>2</sup> .....	02	1402	-3.1	0.0	0.0	-0.1	-0.6	0.0
Beef and veal.....	02	2101	6.7	7.7	-7.7	1.5	6.7	2.8
Pork.....	02	2104	13.7	1.8	-2.0	0.9	-0.8	2.8
Processed young chickens.....	02	2203	8.3	-0.2	1.0	4.7	-4.0	2.4
Processed turkeys <sup>2</sup> .....	02	2206	-2.8	-0.3	-0.3	1.3	-0.5	-0.1
Finfish and shellfish.....	02	23	9.3	-0.5	1.0	-0.2	1.4	7.4
Dairy products <sup>2</sup> .....	02	3	5.6	1.3	0.9	1.9	-0.6	-1.0
Processed fruits and vegetables <sup>2</sup> .....	02	4	0.9	0.9	-0.2	0.4	0.1	-0.7
Confectionery end products <sup>2</sup> .....	02	55	6.5	0.2	1.7	1.1	0.8	0.3
Soft drinks <sup>2</sup> .....	02	62	3.9	-0.2	0.8	-0.7	-0.9	1.1
Roasted coffee <sup>2</sup> .....	02	6301	12.9	3.1	2.5	0.4	6.0	0.0
Shortening and cooking oils <sup>2</sup> .....	02	78	-0.2	0.7	-1.1	0.4	1.1	3.6
Frozen specialty food <sup>2</sup> .....	02	85	0.2	-0.4	0.6	0.0	-0.4	0.0
Final demand energy.....	FD	412	-6.2	1.7	-1.0	-3.0	0.1	0.2
Liquefied petroleum gas <sup>2</sup> .....	05	32	1.4	-4.2	-3.8	-7.4	17.7	-3.4
Residential electric power.....	05	41	0.8	-0.7	-0.9	1.4	-1.0	0.5
Residential natural gas.....	05	51	1.9	0.9	-1.2	0.8	0.6	0.9
Gasoline.....	05	71	-9.3	2.8	0.2	-5.3	-1.0	0.4
Home heating oil and distillates.....	05	7302	-19.5	8.6	-4.8	-7.5	-5.5	6.1
No. 2 diesel fuel.....	05	7303	-20.6	12.4	1.7	-16.8	6.7	-2.1
Final demand goods less foods and energy.....	FD	413	2.2	0.2	0.2	0.2	0.2	0.2
Alcoholic beverages.....	02	61	0.2	0.3	0.0	-0.5	-0.1	0.1
Pet food <sup>2</sup> .....	02	9402	0.1	-0.2	0.0	0.0	0.1	0.0
Women's, girls', and infants' apparel <sup>2</sup> .....	03	8106	2.6	0.0	0.0	0.0	0.0	0.0
Men's and boys' apparel <sup>2</sup> .....	03	8107	2.7	0.2	-0.3	-0.3	1.2	0.9
Textile housefurnishings <sup>2</sup> .....	03	82	1.9	-0.1	0.0	0.0	0.4	0.0
Footwear <sup>2</sup> .....	04	3	1.9	0.1	-0.1	0.0	0.2	0.0
Industrial chemicals.....	06	1	-1.9	2.8	0.3	-0.9	-0.5	-1.6
Pharmaceutical preparations.....	06	38	1.8	0.2	0.5	0.2	0.2	0.1
Soaps and detergents <sup>2</sup> .....	06	71	1.4	0.0	-0.6	0.0	0.0	0.0
Cleaning and polishing products <sup>2</sup> .....	06	72	0.9	0.1	0.1	0.0	0.0	0.0
Cosmetics and other toiletries <sup>2</sup> .....	06	75	1.2	0.0	0.4	0.0	0.0	0.0
Tires <sup>2</sup> .....	07	1201	-0.6	0.3	-0.1	0.1	0.0	-0.2
Consumer, institutional, and commercial products, n.e.c. <sup>2</sup> .....	07	2B	0.7	0.2	0.2	0.3	-0.3	0.0
Sanitary paper products <sup>2</sup> .....	09	1501	-0.5	0.2	0.0	0.9	0.1	0.0
Iron and steel scrap.....	10	12	-4.5	5.5	2.0	-0.1	7.9	0.0
Agricultural machinery and equipment <sup>2</sup> .....	11	1	1.1	-0.5	-0.1	0.5	0.1	0.3
Construction machinery and equipment <sup>2</sup> .....	11	2	1.3	0.2	-0.1	-0.1	0.1	0.2
Metal cutting machine tools <sup>2</sup> .....	11	37	0.5	0.0	0.0	0.0	0.1	0.0
Metal forming machine tools.....	11	38	2.4	0.7	0.2	-0.9	0.7	-0.4
Tools, dies, jigs, fixtures, and industrial molds <sup>2</sup> .....	11	39	5.7	0.4	0.0	0.0	1.4	0.2
Pumps, compressors, and equipment <sup>2</sup> .....	11	41	4.4	0.4	0.3	0.0	0.1	0.1
Industrial material handling equipment <sup>2</sup> .....	11	44	4.1	0.0	0.0	0.1	0.3	0.0
Electronic computers and computer equipment <sup>2</sup> .....	11	5	1.3	-0.3	0.9	0.9	0.0	-0.3
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	2.3	0.0	0.1	0.1	0.1	0.2
Printing trades machinery and equipment <sup>2</sup> .....	11	65	1.7	0.3	-0.1	0.5	0.2	0.8
Transformers and power regulators <sup>2</sup> .....	11	74	3.3	0.2	0.0	0.0	0.8	0.0
Communication and related equipment.....	11	76	5.1	0.1	0.1	0.9	0.2	0.0
Electronic components and accessories.....	11	78	0.8	-1.0	0.0	0.1	0.6	0.6
X-ray and electromedical equipment <sup>2</sup> .....	11	7905	1.0	0.3	0.0	0.0	0.0	0.0
Oil field and gas field machinery <sup>2</sup> .....	11	91	3.6	0.0	0.0	0.0	0.0	0.0
Mining machinery and equipment <sup>2</sup> .....	11	92	4.4	0.7	0.0	0.0	0.0	0.7
Internal combustion engines <sup>2</sup> .....	11	94	3.1	0.3	0.0	0.0	0.3	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**  
 [November 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		Nov. 2023 to Nov. 2024 <sup>P</sup>	June to July	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>
Household furniture <sup>2</sup> .....	12	1	1.5	0.1	0.0	0.4	-0.2	0.1
Commercial furniture <sup>2</sup> .....	12	2	2.2	-0.1	0.4	0.7	-0.5	0.1
Floor coverings <sup>2</sup> .....	12	3	1.8	-0.1	-1.2	3.4	-1.2	0.0
Household appliances <sup>2</sup> .....	12	4	-1.2	-0.4	0.4	-0.5	0.1	-0.3
Home electronic equipment <sup>2</sup> .....	12	5	1.5	0.0	0.0	0.0	0.0	0.0
Lawn and garden equipment excl. garden tractors <sup>2</sup> .....	12	66	0.5	-0.2	-0.1	0.0	-0.1	0.0
Passenger cars.....	14	1101	-1.3	-0.2	0.0	0.0	0.3	0.1
Light motor trucks.....	14	1105	1.8	0.1	0.3	0.3	-0.1	0.6
Heavy motor trucks <sup>2</sup> .....	14	1106	1.8	0.0	0.0	1.3	0.0	0.0
Motor vehicles parts <sup>2</sup> .....	14	12	0.4	0.1	0.1	-0.1	-0.2	0.0
Truck trailers <sup>2</sup> .....	14	14	-0.3	0.4	-0.2	0.0	0.0	-0.1
Travel trailers and campers <sup>2</sup> .....	14	16	0.5	-0.2	0.0	0.8	0.0	0.0
Aircraft.....	14	21	2.4	0.2	0.3	0.2	0.1	0.2
Ships <sup>2</sup> .....	14	31	1.7	0.3	0.0	0.3	0.0	0.4
Railroad equipment <sup>2</sup> .....	14	4	0.1	-1.1	0.4	0.1	0.0	0.1
Toys, games, and children's vehicles <sup>2</sup> .....	15	11	0.5	0.0	0.4	0.0	0.0	0.0
Sporting and athletic goods <sup>2</sup> .....	15	12	3.5	0.0	0.0	0.0	0.1	0.0
Cigarettes <sup>2</sup> .....	15	21	12.5	0.0	2.3	0.5	0.3	2.2
Mobile homes.....	15	5	1.6	0.2	0.9	0.9	0.4	0.3
Medical, surgical & personal aid devices.....	15	6	2.1	0.0	0.0	0.1	0.1	0.0
Jewelry, platinum and karat gold <sup>2</sup> .....	15	9402	8.8	1.0	0.5	0.8	1.6	-2.1
Costume jewelry and novelties <sup>2</sup> .....	15	9404	1.9	0.0	0.0	0.4	0.0	0.0
Final demand services.....	FD	42	3.9	-0.2	0.5	0.4	0.3	0.2
Final demand trade services <sup>3</sup> .....	FD	423	3.2	-1.9	1.1	1.1	0.1	0.8
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	4.5	5.1	0.9	-1.9	2.7	-0.5
Machinery and vehicle wholesaling <sup>2</sup> .....	57	1103	13.7	-6.8	5.7	6.1	1.7	1.8
Professional and commercial equipment wholesaling <sup>2</sup> .....	57	1104	-2.1	1.7	4.6	-6.8	-1.3	1.6
Furnishings wholesaling <sup>2</sup> .....	57	2	3.6	0.1	0.3	0.0	0.0	0.0
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-1.0	0.2	1.8	-0.8	-1.5	-0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.7	1.1	-0.5	0.0	1.1	-0.4
Apparel wholesaling <sup>2</sup> .....	57	7	-2.9	0.0	-1.1	6.6	1.5	-1.2
Food and alcohol wholesaling <sup>2</sup> .....	57	8	7.3	-1.3	-1.4	1.0	1.1	1.4
Food and alcohol retailing.....	58	1	3.7	-2.4	-1.9	0.6	1.4	0.6
Health, beauty, and optical goods retailing <sup>2</sup> .....	58	2	8.4	-0.2	-0.5	1.3	0.6	0.7
Apparel, jewelry, footwear, and accessories retailing.....	58	3	0.5	-3.4	2.2	-0.4	-3.5	2.0
Computer hardware, software, and supplies retailing <sup>2</sup> .....	58	4	62.9	10.3	8.5	3.1	14.9	-4.7
TV, video, and photographic equipment and supplies retailing.....	58	5	0.4	1.5	-5.3	2.9	6.4	16.3
Automobiles retailing (partial).....	58	6101	-28.6	-5.0	-3.3	0.4	1.1	-1.0
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	1.1	0.8	1.4	2.6	-2.2	0.9
RVs, trailers, and campers retailing <sup>2</sup> .....	58	8	-2.7	9.6	-1.5	-4.9	-7.0	4.1
Sporting goods, including boats, retailing.....	58	9	5.1	-6.2	3.3	-5.1	0.9	2.2
Lawn, garden, and farm equipment and supplies retailing <sup>2</sup> .....	58	A	4.6	-0.2	1.7	0.2	0.5	2.2
Furniture retailing <sup>2</sup> .....	58	B	-4.7	0.0	2.9	4.7	-8.0	-0.3
Flooring and floor coverings retailing <sup>2</sup> .....	58	C	-4.3	-1.5	0.1	-1.5	-4.0	-2.9
Hardware, building materials, and supplies retailing.....	58	D	-1.8	0.4	3.4	-0.7	-2.9	1.9
Major household appliances retailing.....	58	E	1.2	0.2	-3.5	11.4	3.9	-3.6
Fuels and lubricants retailing.....	58	F	12.1	-4.7	14.9	0.8	-6.9	4.2
Cleaning supplies and paper products retailing <sup>2</sup> .....	58	G	7.8	-1.2	-0.1	3.3	4.1	-1.0
Book retailing <sup>2</sup> .....	58	H	4.5	1.7	-2.9	1.6	1.0	-1.1
Final demand transportation and warehousing services.....	FD	422	0.1	1.2	-0.9	0.0	0.7	-0.5
Rail transportation of freight and mail <sup>2</sup> .....	30	11	1.1	0.6	-0.1	0.3	-0.2	-0.1
Truck transportation of freight <sup>2</sup> .....	30	12	-1.3	1.9	-1.4	-0.6	-0.1	-0.2
Air transportation of freight <sup>2</sup> .....	30	14	-1.8	-0.6	0.0	0.7	1.5	0.1
Courier, messenger, and U.S. postal services.....	30	16	7.0	0.4	2.1	0.3	0.6	0.8
Rail transportation of passengers.....	30	21	0.0	0.0	0.1	0.0	0.0	0.1
Airline passenger services.....	30	22	-0.2	0.2	-1.0	1.0	2.6	-2.1
Final demand services less trade, transportation, and warehousing.....	FD	421	4.6	0.4	0.3	0.1	0.4	0.1
Sales of books.....	33	11	7.8	1.0	0.7	0.2	1.1	0.5
Sales and subscriptions of periodicals and newspapers.....	33	12	4.3	0.1	0.7	0.1	0.1	-0.1
Application software publishing <sup>2</sup> .....	34	2	4.0	-1.8	-1.1	1.7	-0.5	1.0
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-2.3	0.0	-1.7	-1.7	-0.2	1.0
Residential wired telecommunication services <sup>2</sup> .....	37	11	3.6	-0.1	0.1	-0.1	-0.1	0.0
Wireless telecommunication services.....	37	2	1.7	0.1	0.0	0.1	0.1	0.2
Cable and satellite subscriber services.....	37	3	8.1	-1.4	-0.4	-0.6	6.5	0.9
Internet access services <sup>2</sup> .....	37	4	3.7	1.3	1.2	-1.1	0.6	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**  
 [November 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		Nov. 2023 to Nov. 2024 <sup>P</sup>	June to July	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>
Bundled wired telecommunications access services <sup>2</sup>	37	5	8.3	0.6	0.6	-0.6	0.4	1.2
Consumer loans (partial)	39	12	-0.7	-0.8	5.9	-4.9	-1.5	-1.1
Deposit services (partial) <sup>2</sup>	39	2	19.1	0.5	-0.2	2.9	0.7	1.1
Other credit intermediation, incl. trust services (partial) <sup>2</sup>	39	3	0.9	0.1	-1.2	-0.3	0.0	3.8
Securities brokerage, dealing, investment advice, and related services <sup>2</sup>	40	1	6.4	1.8	0.4	-2.3	-2.8	1.3
Portfolio management <sup>2</sup>	40	2	20.3	2.5	0.0	0.7	3.1	-0.6
Life insurance <sup>2</sup>	41	1101	-0.4	0.0	0.6	0.1	0.0	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	0.5	0.2	0.2	0.3
Property and casualty insurance <sup>2</sup>	41	1104	8.1	0.6	0.3	1.3	0.1	0.0
Annuities <sup>2</sup>	41	2	4.1	1.7	0.0	0.1	0.2	0.0
Residential property sales and leases, brokerage fees and commissions	43	21	3.2	0.3	0.0	0.4	0.3	0.1
Passenger car rental	44	1	-1.8	0.9	-4.5	3.5	-4.3	-0.7
Legal services	45	1	8.0	0.5	0.5	-0.3	1.4	0.3
Tax preparation and planning	45	2102	1.6	-0.2	0.0	-0.6	-1.8	0.7
Architectural and engineering services	45	3	1.6	-0.1	0.2	0.3	0.0	0.0
Management, scientific, and technical consulting services <sup>2</sup>	45	4	1.6	-4.1	0.9	0.1	-0.2	0.0
Arrangement of flights (partial)	47	1	-7.9	-3.0	-0.7	-0.1	0.8	0.6
Arrangement of vehicle rentals and lodging <sup>2</sup>	47	2	15.5	0.8	-0.1	0.0	3.8	-0.1
Arrangement of cruises and tours <sup>2</sup>	47	3	-0.8	0.1	0.2	1.2	0.6	-1.0
Physician care	51	1101	1.9	-0.1	0.0	0.0	0.3	0.0
Medical laboratory and diagnostic imaging care <sup>2</sup>	51	1102	0.1	0.0	-0.1	0.0	0.0	0.0
Home health and hospice care	51	1103	1.5	0.4	0.0	0.0	0.4	0.1
Hospital outpatient care <sup>2</sup>	51	1104	3.3	0.3	0.7	0.0	0.4	0.0
Dental care	51	1105	4.7	0.0	0.0	0.3	0.0	0.1
Hospital inpatient care	51	2101	3.5	0.2	0.3	0.3	-0.1	0.2
Nursing home care	51	2102	1.6	-0.1	0.3	0.3	0.8	0.1
Traveler accommodation services	53	11	1.6	-3.6	3.1	0.9	2.8	-3.1
Food and beverages for immediate consumption services (partial) <sup>2</sup>	54	1	2.2	0.4	-0.3	0.5	0.3	-0.5
Motor vehicle repair and maintenance (partial) <sup>2</sup>	55	2	6.2	0.4	0.7	0.6	0.3	0.8
Membership dues and admissions and recreation facility use fees (partial) <sup>2</sup>	56	1	2.1	1.9	-2.6	2.3	1.4	1.1
Recreational activity instruction fees (partial) <sup>2</sup>	56	2	7.2	0.0	0.0	0.0	0.0	0.0
Gaming receipts (partial) <sup>2</sup>	56	3	-0.9	-1.7	1.0	0.6	-2.7	1.9
Mining services <sup>2</sup>	60	1	0.4	0.3	1.2	-0.5	-1.9	0.8
Final demand construction	FD	43	1.6	0.8	0.0	0.1	-0.2	0.0
New warehouse building construction <sup>2</sup>	80	1101	0.5	0.1	-0.1	0.0	-0.2	0.0
New school building construction <sup>2</sup>	80	1102	2.0	1.4	0.0	0.0	0.0	0.1
New office building construction <sup>2</sup>	80	1103	2.8	1.2	-0.3	0.3	-0.1	0.0
New industrial building construction <sup>2</sup>	80	1104	0.0	0.1	0.0	0.1	-0.6	0.2
New health care building construction <sup>2</sup>	80	1105	0.6	0.3	0.3	0.0	-0.3	0.0
<b>Intermediate Demand by Commodity Type</b>								
Processed goods for intermediate demand	ID6	1	-0.5	0.6	-0.2	-0.8	0.6	0.0
Processed foods and feeds	ID6	9112	2.7	1.5	-0.2	0.8	0.1	0.9
Meats	02	21	7.5	4.2	-4.0	1.4	2.8	1.8
Processed poultry	02	22	9.5	-0.5	0.6	5.3	-4.0	5.9
Dairy products <sup>2</sup>	02	3	5.6	1.3	0.9	1.9	-0.6	-1.0
Processed fruits and vegetables <sup>2</sup>	02	4	0.9	0.9	-0.2	0.4	0.1	-0.7
Refined sugar and byproducts <sup>2</sup>	02	53	10.8	0.1	-0.3	-1.6	-0.4	-0.2
Fats and oils <sup>2</sup>	02	7	-6.0	2.4	-3.0	-0.9	0.7	3.7
Prepared animal feeds	02	9	-6.2	0.7	-1.0	0.1	1.6	-0.9
Processed materials less foods and feeds	ID6	9111	-0.8	0.5	-0.1	-1.0	0.6	-0.1
Synthetic fibers <sup>2</sup>	03	1	-5.2	-0.8	0.5	-2.3	2.7	-5.9
Processed yarns and threads <sup>2</sup>	03	2	0.9	-0.5	0.1	0.1	-0.2	-0.1
Finished fabrics <sup>2</sup>	03	4	0.9	0.1	0.2	0.2	0.1	0.0
Liquefied petroleum gas <sup>2</sup>	05	32	1.4	-4.2	-3.8	-7.4	17.7	-3.4
Commercial electric power	05	42	1.9	-1.4	-1.0	0.3	1.2	-1.0
Industrial electric power	05	43	-0.5	-0.7	-0.2	0.0	1.4	-1.8
Commercial natural gas	05	52	-2.4	0.0	-3.8	0.3	0.9	0.9
Industrial natural gas	05	53	-5.3	3.3	-5.8	-1.9	-0.4	3.2
Natural gas to electric utilities	05	54	-4.8	2.1	-3.6	-1.3	-2.9	-2.1
Gasoline	05	71	-9.3	2.8	0.2	-5.3	-1.0	0.4
Jet fuel <sup>2</sup>	05	7203	-27.6	5.8	-10.4	-6.6	-0.3	-1.5
No. 2 diesel fuel	05	7303	-20.6	12.4	1.7	-16.8	6.7	-2.1
Residual fuels <sup>2</sup>	05	74	-5.4	2.4	-4.4	-1.6	-10.1	6.4

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**  
 [November 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		Nov. 2023 to Nov. 2024 <sup>P</sup>	June to July	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>
Finished lubricants <sup>2</sup> .....	05	76	0.0	-0.1	0.1	-0.1	0.0	0.1
Lubricating oil base stocks <sup>2</sup> .....	05	78	-13.1	1.6	-3.9	-2.5	4.7	-6.7
Asphalt.....	05	8102	-10.6	-3.0	-3.2	-14.5	7.4	7.4
Basic inorganic chemicals <sup>2</sup> .....	06	13	-1.2	-0.3	0.0	-0.3	0.2	0.7
Basic organic chemicals.....	06	14	-2.0	3.4	0.3	-1.0	-0.6	-2.1
Prepared paint <sup>2</sup> .....	06	21	0.6	0.2	0.1	0.2	0.0	0.3
Paint materials <sup>2</sup> .....	06	22	0.4	-0.1	0.0	2.9	0.0	0.0
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	4.5	0.1	-0.1	0.1	-0.1	0.2
Biological products, including diagnostics.....	06	37	3.4	-0.1	0.7	1.5	0.1	0.3
Fats and oils, inedible <sup>2</sup> .....	06	4	8.8	1.5	-0.9	0.0	0.2	0.8
Nitrogenates.....	06	5201	-1.9	3.3	2.4	0.8	-2.6	-0.9
Phosphates.....	06	5202	6.7	1.7	-0.4	2.5	-0.2	0.9
Other agricultural chemicals <sup>2</sup> .....	06	53	1.3	0.0	0.0	0.2	0.1	0.0
Plastic resins and materials.....	06	6	1.5	1.4	-0.5	-2.1	2.4	1.2
Industrial gases <sup>2</sup> .....	06	7903	2.1	0.3	0.3	2.2	-3.9	0.0
Adhesives and sealants <sup>2</sup> .....	06	7904	1.2	0.2	0.9	0.0	0.0	0.0
Synthetic rubber <sup>2</sup> .....	07	1102	9.9	-0.5	-0.4	0.4	1.3	-1.2
Tires <sup>2</sup> .....	07	1201	-0.6	0.3	-0.1	0.1	0.0	-0.2
Plastic construction products <sup>2</sup> .....	07	21	-0.9	-0.1	0.2	-0.2	-0.6	-0.1
Unsupported plastic film, sheet, other shapes <sup>2</sup> .....	07	22	1.0	0.5	1.0	0.0	0.0	-1.5
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	1.5	-0.4	0.9	0.0	0.0	0.3
Plastic packaging products <sup>2</sup> .....	07	2A	0.4	-0.5	-0.4	0.3	0.4	-0.2
Softwood lumber.....	08	11	11.8	-1.0	2.7	4.0	2.6	4.3
Hardwood lumber <sup>2</sup> .....	08	12	5.7	0.1	-0.1	-0.1	0.0	-0.2
Millwork.....	08	2	1.0	-0.3	0.3	0.1	0.4	0.2
Plywood <sup>2</sup> .....	08	3	-4.8	-2.2	-0.8	1.2	-0.3	0.0
Paper <sup>2</sup> .....	09	13	2.3	0.5	0.0	0.2	0.5	-0.2
Paperboard <sup>2</sup> .....	09	14	3.8	0.5	1.7	0.4	0.6	0.2
Paper boxes and containers <sup>2</sup> .....	09	1503	3.8	0.4	1.1	0.6	0.9	0.3
Building paper and board <sup>2</sup> .....	09	2	1.0	-13.2	-1.4	-0.5	-0.3	10.9
Commercial printing <sup>2</sup> .....	09	47	2.5	0.3	0.6	0.0	0.2	0.0
Foundry and forge shop products <sup>2</sup> .....	10	15	0.3	-0.9	-0.4	-0.2	-0.1	0.1
Steel mill products <sup>2</sup> .....	10	17	-7.1	-3.5	-2.8	-1.6	1.0	1.2
Primary nonferrous metals <sup>2</sup> .....	10	22	13.4	-0.9	-2.5	4.4	2.7	-2.7
Secondary nonferrous metals <sup>2</sup> .....	10	24	12.9	0.6	-0.4	0.0	3.9	-0.7
Aluminum mill shapes <sup>2</sup> .....	10	2501	7.4	0.6	-2.2	-0.9	1.5	2.4
Copper and brass mill shapes <sup>2</sup> .....	10	2502	15.0	-3.2	-1.9	0.7	2.0	2.2
Nonferrous wire and cable <sup>2</sup> .....	10	26	7.2	-2.2	-2.5	0.1	1.7	-0.9
Nonferrous foundry shop products.....	10	28	5.3	0.3	-0.1	0.1	0.6	0.1
Metal containers <sup>2</sup> .....	10	3	0.2	0.7	-0.3	-0.1	-0.4	-0.3
Hardware <sup>2</sup> .....	10	4	0.0	0.0	0.1	0.0	0.4	0.1
Plumbing fixtures and brass fittings.....	10	5	1.8	0.5	0.6	0.0	0.1	0.1
Heating equipment <sup>2</sup> .....	10	6	2.5	0.1	0.1	0.0	0.1	0.0
Fabricated structural metal products.....	10	7	0.6	0.3	1.0	0.3	1.1	0.8
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	5.4	0.0	0.2	0.3	-0.1	0.6
Lighting fixtures <sup>2</sup> .....	10	83	2.6	0.0	0.1	0.0	0.0	0.8
Fabricated ferrous wire products.....	10	88	4.0	-0.4	-0.2	-0.2	-0.1	0.8
Other miscellaneous metal products <sup>2</sup> .....	10	89	2.5	0.1	0.2	-0.4	0.4	0.1
Fluid power equipment <sup>2</sup> .....	11	43	6.2	0.0	2.9	0.0	0.0	0.0
Mechanical power transmission equipment <sup>2</sup> .....	11	45	3.9	0.8	0.3	0.3	0.1	0.5
Air conditioning and refrigeration equipment.....	11	48	1.1	0.3	1.4	-0.7	0.1	-0.1
Metal valves, except fluid power.....	11	4902	1.2	0.0	-0.1	0.9	0.0	0.3
Ball and roller bearings <sup>2</sup> .....	11	4905	3.7	0.1	0.0	-0.1	-0.2	0.0
Wiring devices <sup>2</sup> .....	11	71	-3.1	-0.1	-0.7	-0.3	-1.2	-0.3
Motors, generators, motor generator sets <sup>2</sup> .....	11	73	3.8	0.6	0.0	-0.4	0.0	1.9
Switchgear, switchboard, and industrial controls equip. <sup>2</sup> .....	11	75	5.3	0.5	-0.3	-0.1	-0.1	0.0
Electronic components and accessories.....	11	78	0.8	-1.0	0.0	0.1	0.6	0.6
Internal combustion engines <sup>2</sup> .....	11	94	3.1	0.3	0.0	0.0	0.3	0.0
Machine shop products <sup>2</sup> .....	11	95	1.7	0.2	0.5	0.0	-0.2	0.0
Flat glass <sup>2</sup> .....	13	11	-1.6	0.4	0.1	0.2	0.1	-3.4
Cement.....	13	22	4.5	-0.2	0.2	0.1	0.4	0.7
Concrete products.....	13	3	3.6	0.4	0.5	-0.1	0.6	0.5
Asphalt felts and coatings <sup>2</sup> .....	13	6	1.4	0.3	-1.0	0.8	2.2	-1.3
Paving mixtures and blocks.....	13	94	1.6	0.5	-0.3	0.0	0.7	0.6
Motor vehicle parts <sup>2</sup> .....	14	12	0.4	0.1	0.1	-0.1	-0.2	0.0
Aircraft engines and engine parts.....	14	23	3.3	0.3	0.1	0.3	0.2	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**  
 [November 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		Nov. 2023 to Nov. 2024 <sup>P</sup>	June to July	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	3.1	0.3	0.1	0.0	0.1	0.3
Medical, surgical, and personal aid devices.....	15	6	2.1	0.0	0.0	0.1	0.1	0.0
Unprocessed goods for intermediate demand.....	ID6	2	-1.9	2.0	-3.3	-1.6	2.4	0.6
Unprocessed foodstuffs and feedstuffs.....	ID6	21	5.5	1.9	-1.3	3.9	-1.1	2.9
Wheat <sup>2</sup> .....	01	21	-14.8	-11.0	-5.0	4.5	2.7	-4.2
Corn.....	01	2202	-9.5	-5.5	0.0	4.8	-3.0	7.4
Slaughter cattle.....	01	31	9.1	3.9	-3.0	-1.8	2.9	-1.7
Slaughter hogs.....	01	32	31.6	1.6	-6.6	11.7	-1.9	21.9
Slaughter chickens.....	01	4102	15.7	8.9	5.5	5.2	3.5	-1.4
Slaughter turkeys.....	01	42	-12.9	8.2	-16.9	11.7	0.7	-6.2
Raw milk.....	01	6	12.9	2.3	1.7	6.6	-6.2	-4.5
Hay and hayseeds <sup>2</sup> .....	01	81	-33.4	4.2	-29.2	29.8	-22.8	1.3
Oilseeds.....	01	8301	-25.3	-2.0	-6.6	1.6	5.1	-4.7
Raw cane sugar and byproducts <sup>2</sup> .....	02	5201	-9.6	-0.1	-1.5	-1.9	-2.5	-3.1
Unprocessed nonfood materials.....	ID6	22	-6.4	2.1	-4.6	-5.1	4.7	-1.0
Raw cotton <sup>2</sup> .....	01	51	-13.4	-6.4	0.2	3.6	3.2	-0.8
Hides and skins.....	04	1	-10.0	-5.8	-4.4	-2.4	3.2	3.1
Coal <sup>2</sup> .....	05	1	-1.9	0.1	-0.3	-1.6	0.5	-0.1
Natural gas <sup>2</sup> .....	05	31	-17.3	3.3	-20.7	4.2	17.7	2.6
Crude petroleum <sup>2</sup> .....	05	61	-11.9	3.6	-4.7	-13.1	5.7	-3.3
Logs, bolts, timber, pulpwood, and woodchips <sup>2</sup> .....	08	5	-2.1	0.3	0.6	-0.2	0.0	-0.2
Recyclable paper <sup>2</sup> .....	09	12	9.6	0.1	-1.8	-2.6	-13.2	-7.3
Iron ores <sup>2</sup> .....	10	11	0.1	0.8	-0.5	-1.6	0.9	0.4
Iron and steel scrap.....	10	12	-4.5	5.5	2.0	-0.1	7.9	0.0
Nonferrous metal ores <sup>2</sup> .....	10	21	10.8	2.2	-2.0	4.2	3.8	-2.4
Copper base scrap <sup>2</sup> .....	10	2301	9.6	2.2	-9.0	0.8	3.8	-3.3
Aluminum base scrap.....	10	2302	23.7	-1.7	-8.9	-0.2	5.2	2.6
Construction sand, gravel, and crushed stone.....	13	21	7.8	1.0	0.7	0.5	0.6	0.6
Services for intermediate demand.....	ID6	3	3.0	0.3	0.1	0.2	0.2	-0.3
Trade services for intermediate demand <sup>3</sup> .....	ID6	33	1.3	0.4	0.1	0.0	0.4	0.3
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	4.5	5.1	0.9	-1.9	2.7	-0.5
Building materials, paint, and hardware wholesaling.....	57	3	3.0	2.5	1.2	-1.9	2.0	0.6
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-12.9	-0.3	-0.6	2.8	1.3	-2.1
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-1.0	0.2	1.8	-0.8	-1.5	-0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.7	1.1	-0.5	0.0	1.1	-0.4
Food wholesaling <sup>2</sup> .....	57	8101	7.5	-1.6	-1.4	0.9	1.0	1.6
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	1.1	0.8	1.4	2.6	-2.2	0.9
Hardware, building material, and supplies retailing.....	58	D	-1.8	0.4	3.4	-0.7	-2.9	1.9
Transportation and warehousing services for intermediate demand.....	ID6	32	3.7	0.7	-0.2	0.1	0.5	0.1
Rail transportation of freight and mail <sup>2</sup> .....	30	11	1.1	0.6	-0.1	0.3	-0.2	-0.1
Truck transportation of freight <sup>2</sup> .....	30	12	-1.3	1.9	-1.4	-0.6	-0.1	-0.2
Water transportation of freight <sup>2</sup> .....	30	13	9.0	0.9	-0.6	0.4	0.8	0.9
Air transportation of freight <sup>2</sup> .....	30	14	-1.8	-0.6	0.0	0.7	1.5	0.1
U.S. Postal Service <sup>2</sup> .....	30	1601	10.4	0.0	6.1	0.0	0.9	0.0
Courier and messenger services, except air mail.....	30	1602	5.3	0.3	0.6	0.4	0.3	1.2
Air mail and package delivery services, excluding by USPS.....	30	1603	5.1	1.2	-0.8	0.6	0.5	1.2
Pipeline transportation <sup>2</sup> .....	30	17	1.2	0.9	-0.1	0.0	0.5	0.0
Transportation of passengers (partial).....	30	2	-0.2	0.2	-1.0	1.0	2.6	-2.1
Services related to water transportation <sup>2</sup> .....	31	1	5.3	1.3	0.8	-0.3	0.1	0.0
Arrangement of freight and cargo <sup>2</sup> .....	31	31	24.6	-0.3	0.0	-0.6	0.8	0.0
Warehousing, storage, and related services <sup>2</sup> .....	32	1	1.7	0.6	-0.9	0.0	0.3	-0.1
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	3.3	0.2	0.1	0.2	0.1	-0.6
Network compensation from broadcast TV, cable TV, radio <sup>2</sup> .....	35	-	0.8	0.0	0.0	0.0	0.0	0.0
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	-3.4	0.0	-2.0	-2.0	-0.3	0.4
Advertising space sales in directories and mail lists <sup>2</sup> .....	36	12	4.4	0.0	0.0	0.0	0.0	4.3
Television advertising time sales.....	36	2	-6.2	0.1	-3.2	3.9	7.1	-13.2
Radio advertising time sales.....	36	3	-7.8	-8.3	1.6	12.9	-9.8	3.6
Internet advertising sales <sup>2</sup> .....	36	6	23.1	6.7	0.0	0.0	1.4	0.0
Business wired telecommunication services <sup>2</sup> .....	37	12	6.3	0.7	0.2	1.3	-0.8	0.9
Wireless telecommunication services.....	37	2	1.7	0.1	0.0	0.1	0.1	0.2
Cable and satellite subscriber services.....	37	3	8.1	-1.4	-0.4	-0.6	6.5	0.9
Bundled wired telecommunication access services <sup>2</sup> .....	37	5	8.3	0.6	0.6	-0.6	0.4	1.2
Data processing and related services <sup>2</sup> .....	38	1	0.7	0.2	-0.1	-0.2	0.0	-0.3
Business loans (partial).....	39	11	-6.8	-2.0	0.2	-0.6	-2.3	-5.1

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**  
 [November 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		Nov. 2023 to Nov. 2024 <sup>P</sup>	June to July	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>
Deposit services (partial) <sup>2</sup> .....	39	2	19.1	0.5	-0.2	2.9	0.7	1.1
Other credit intermediation, incl. trust services (partial) <sup>2</sup> .....	39	3	0.9	0.1	-1.2	-0.3	0.0	3.8
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	6.4	1.8	0.4	-2.3	-2.8	1.3
Portfolio management <sup>2</sup> .....	40	2	20.3	2.5	0.0	0.7	3.1	-0.6
Investment banking <sup>2</sup> .....	40	3	13.0	0.2	1.6	2.2	-1.3	0.0
Life insurance <sup>2</sup> .....	41	1101	-0.4	0.0	0.6	0.1	0.0	0.0
Health and medical insurance.....	41	1103	4.6	0.2	0.5	0.2	0.2	0.3
Property and casualty insurance <sup>2</sup> .....	41	1104	8.1	0.6	0.3	1.3	0.1	0.0
Annuities <sup>2</sup> .....	41	2	4.1	1.7	0.0	0.1	0.2	0.0
Commissions from sales of insurance <sup>2</sup> .....	42	1	2.4	0.4	0.0	0.0	0.2	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	-0.5	1.7	-0.2	-1.0	1.2	-2.3
Nonresidential property sales and leases <sup>2</sup> .....	43	12	-1.4	1.3	0.5	0.2	-0.3	0.0
Residential property management fees <sup>2</sup> .....	43	22	3.1	0.1	-0.2	0.1	0.1	-1.1
Passenger car rental.....	44	1	-1.8	0.9	-4.5	3.5	-4.3	-0.7
Truck, utility trailer, and RV rental and leasing <sup>2</sup> .....	44	2	3.9	0.2	2.0	-0.5	1.1	0.3
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	0.6	-0.3	0.4	0.1	-0.2	0.0
Legal services.....	45	1	8.0	0.5	0.5	-0.3	1.4	0.3
Accounting services (partial).....	45	2	3.1	0.6	0.7	-0.5	-1.1	0.5
Architectural and engineering services.....	45	3	1.6	-0.1	0.2	0.3	0.0	0.0
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	1.6	-4.1	0.9	0.1	-0.2	0.0
Advertising and related services (partial) <sup>2</sup> .....	45	5	1.4	0.0	0.7	-0.2	0.2	0.0
Permanent placement services <sup>2</sup> .....	46	1	3.2	0.5	5.2	0.9	0.1	0.0
Executive search services <sup>2</sup> .....	46	2	5.7	-2.2	2.7	-1.6	-0.2	4.4
Staffing services.....	46	3	2.0	0.7	-0.3	1.9	0.2	0.0
Security guard services <sup>2</sup> .....	48	1	7.1	0.2	0.0	0.3	0.5	-0.1
Janitorial services <sup>2</sup> .....	49	1	6.2	0.2	0.0	1.2	0.0	0.0
Waste collection.....	50	1	5.9	-0.1	-0.7	1.5	-0.1	2.0
Traveler accommodation services.....	53	11	1.6	-3.6	3.1	0.9	2.8	-3.1
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.6	-0.1	1.4	0.7	0.1	0.5
Aircraft repair and maintenance.....	55	4	5.0	0.1	0.1	0.1	0.2	0.2
Metal treatment services <sup>2</sup> .....	59	1	2.3	0.1	-0.1	0.7	0.3	-1.0
Construction for intermediate demand.....	ID6	4	4.5	0.2	0.2	0.0	0.0	0.0
Maintenance and repair of non-residential buildings (partial) <sup>2</sup> .....	80	2	4.5	0.2	0.2	0.0	0.0	0.0
<b>Intermediate Demand by Production Flow</b>								
Stage 4 intermediate demand.....	ID5	4	2.3	0.5	0.0	0.0	0.3	0.0
Stage 4 intermediate demand goods.....	ID5	9411	1.0	0.1	0.0	0.1	0.3	0.4
Grains.....	01	2	-10.8	-6.3	-1.2	4.5	-1.6	5.0
Meats.....	02	21	7.5	4.2	-4.0	1.4	2.8	1.8
Unprocessed and packaged fish.....	02	23	9.3	-0.5	1.0	-0.2	1.4	7.4
Dairy products <sup>2</sup> .....	02	3	5.6	1.3	0.9	1.9	-0.6	-1.0
Commercial electric power.....	05	42	1.9	-1.4	-1.0	0.3	1.2	-1.0
Industrial electric power.....	05	43	-0.5	-0.7	-0.2	0.0	1.4	-1.8
Gasoline.....	05	71	-9.3	2.8	0.2	-5.3	-1.0	0.4
No. 2 diesel fuel.....	05	7303	-20.6	12.4	1.7	-16.8	6.7	-2.1
Basic organic chemicals.....	06	14	-2.0	3.4	0.3	-1.0	-0.6	-2.1
Prepared paint <sup>2</sup> .....	06	21	0.6	0.2	0.1	0.2	0.0	0.3
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	4.5	0.1	-0.1	0.1	-0.1	0.2
Biological products, including diagnostics.....	06	37	3.4	-0.1	0.7	1.5	0.1	0.3
Pharmaceutical preparations.....	06	38	1.8	0.2	0.5	0.2	0.2	0.1
Plastic construction products <sup>2</sup> .....	07	21	-0.9	-0.1	0.2	-0.2	-0.6	-0.1
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	1.0	0.5	1.0	0.0	0.0	-1.5
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	1.5	-0.4	0.9	0.0	0.0	0.3
Plastic packaging products <sup>2</sup> .....	07	2A	0.4	-0.5	-0.4	0.3	0.4	-0.2
Lumber.....	08	1	9.3	-0.6	1.5	2.3	1.6	2.5
Millwork.....	08	2	1.0	-0.3	0.3	0.1	0.4	0.2
Paper boxes and containers <sup>2</sup> .....	09	1503	3.8	0.4	1.1	0.6	0.9	0.3
Commercial printing <sup>2</sup> .....	09	47	2.5	0.3	0.6	0.0	0.2	0.0
Steel mill products <sup>2</sup> .....	10	17	-7.1	-3.5	-2.8	-1.6	1.0	1.2
Nonferrous wire and cable <sup>2</sup> .....	10	26	7.2	-2.2	-2.5	0.1	1.7	-0.9
Fabricated structural metal products.....	10	7	0.6	0.3	1.0	0.3	1.1	0.8
Other miscellaneous metal products <sup>2</sup> .....	10	89	2.5	0.1	0.2	-0.4	0.4	0.1
Air conditioning and refrigeration equipment.....	11	48	1.1	0.3	1.4	-0.7	0.1	-0.1
Wiring devices <sup>2</sup> .....	11	71	-3.1	-0.1	-0.7	-0.3	-1.2	-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**  
 [November 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		Nov. 2023 to Nov. 2024 <sup>P</sup>	June to July	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>
Electronic components and accessories.....	11	78	0.8	-1.0	0.0	0.1	0.6	0.6
Miscellaneous electrical machinery and equipment <sup>2</sup> .....	11	79	1.1	0.2	0.1	0.0	0.1	0.1
Internal combustion engines <sup>2</sup> .....	11	94	3.1	0.3	0.0	0.0	0.3	0.0
Machine shop products <sup>2</sup> .....	11	95	1.7	0.2	0.5	0.0	-0.2	0.0
Concrete ingredients and related products.....	13	2	6.9	0.7	0.6	0.4	0.5	0.6
Concrete products.....	13	3	3.6	0.4	0.5	-0.1	0.6	0.5
Prepared asphalt, tar roofing and siding products <sup>2</sup> .....	13	61	2.2	0.4	-1.2	0.9	2.7	-1.5
Paving mixtures and blocks.....	13	94	1.6	0.5	-0.3	0.0	0.7	0.6
Motor vehicle parts <sup>2</sup> .....	14	12	0.4	0.1	0.1	-0.1	-0.2	0.0
Aircraft engines and engine parts.....	14	23	3.3	0.3	0.1	0.3	0.2	0.1
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	3.1	0.3	0.1	0.0	0.1	0.3
Medical, surgical and personal aid devices.....	15	6	2.1	0.0	0.0	0.1	0.1	0.0
Stage 4 intermediate demand services.....	ID5	9412	3.4	0.8	0.1	-0.1	0.4	-0.3
Truck transportation of freight <sup>2</sup> .....	30	12	-1.3	1.9	-1.4	-0.6	-0.1	-0.2
Courier, messenger, and U.S. postal services.....	30	16	7.0	0.4	2.1	0.3	0.6	0.8
Airline passenger services.....	30	22	-0.2	0.2	-1.0	1.0	2.6	-2.1
Warehousing, storage, and related services <sup>2</sup> .....	32	1	1.7	0.6	-0.9	0.0	0.3	-0.1
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	-3.4	0.0	-2.0	-2.0	-0.3	0.4
Data processing and related services <sup>2</sup> .....	38	1	0.7	0.2	-0.1	-0.2	0.0	-0.3
Business loans (partial).....	39	11	-6.8	-2.0	0.2	-0.6	-2.3	-5.1
Deposit services (partial) <sup>2</sup> .....	39	2	19.1	0.5	-0.2	2.9	0.7	1.1
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	6.4	1.8	0.4	-2.3	-2.8	1.3
Portfolio management <sup>2</sup> .....	40	2	20.3	2.5	0.0	0.7	3.1	-0.6
Investment banking <sup>2</sup> .....	40	3	13.0	0.2	1.6	2.2	-1.3	0.0
Insurance.....	41	11	5.2	0.2	0.5	0.7	0.3	0.1
Annuities <sup>2</sup> .....	41	2	4.1	1.7	0.0	0.1	0.2	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	-0.5	1.7	-0.2	-1.0	1.2	-2.3
Nonresidential property sales and leases <sup>2</sup> .....	43	12	-1.4	1.3	0.5	0.2	-0.3	0.0
Nonresidential property management fees <sup>2</sup> .....	43	13	0.2	-2.7	0.6	-0.4	-1.2	-0.9
Residential property management fees <sup>2</sup> .....	43	22	3.1	0.1	-0.2	0.1	0.1	-1.1
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	0.6	-0.3	0.4	0.1	-0.2	0.0
Legal services.....	45	1	8.0	0.5	0.5	-0.3	1.4	0.3
Advertising agency services <sup>2</sup> .....	45	51	1.4	0.0	0.7	-0.2	0.2	0.0
Accounting services (partial).....	45	2	3.1	0.6	0.7	-0.5	-1.1	0.5
Architectural and engineering services.....	45	3	1.6	-0.1	0.2	0.3	0.0	0.0
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	1.6	-4.1	0.9	0.1	-0.2	0.0
Staffing services.....	46	3	2.0	0.7	-0.3	1.9	0.2	0.0
Janitorial services <sup>2</sup> .....	49	1	6.2	0.2	0.0	1.2	0.0	0.0
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.6	-0.1	1.4	0.7	0.1	0.5
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	4.5	5.1	0.9	-1.9	2.7	-0.5
Building materials, paint, and hardware wholesaling.....	57	3	3.0	2.5	1.2	-1.9	2.0	0.6
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-12.9	-0.3	-0.6	2.8	1.3	-2.1
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-1.0	0.2	1.8	-0.8	-1.5	-0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.7	1.1	-0.5	0.0	1.1	-0.4
Food and alcohol wholesaling <sup>2</sup> .....	57	8	7.3	-1.3	-1.4	1.0	1.1	1.4
Hardware and building materials and supplies retailing.....	58	D	-1.8	0.4	3.4	-0.7	-2.9	1.9
Metal treatment services <sup>2</sup> .....	59	1	2.3	0.1	-0.1	0.7	0.3	-1.0
Stage 3 intermediate demand.....	ID5	3	1.3	0.7	-0.3	-0.1	0.2	0.1
Stage 3 intermediate demand goods.....	ID5	9311	0.1	1.2	-0.5	-0.5	0.2	0.5
Slaughter cattle.....	01	31	9.1	3.9	-3.0	-1.8	2.9	-1.7
Slaughter hogs.....	01	32	31.6	1.6	-6.6	11.7	-1.9	21.9
Slaughter poultry.....	01	4	11.7	8.6	3.0	5.7	3.2	-1.8
Raw milk.....	01	6	12.9	2.3	1.7	6.6	-6.2	-4.5
Commercial electric power.....	05	42	1.9	-1.4	-1.0	0.3	1.2	-1.0
Industrial electric power.....	05	43	-0.5	-0.7	-0.2	0.0	1.4	-1.8
Gasoline.....	05	71	-9.3	2.8	0.2	-5.3	-1.0	0.4
Jet fuel <sup>2</sup> .....	05	7203	-27.6	5.8	-10.4	-6.6	-0.3	-1.5
No. 2 diesel fuel.....	05	7303	-20.6	12.4	1.7	-16.8	6.7	-2.1
Finished lubricants <sup>2</sup> .....	05	76	0.0	-0.1	0.1	-0.1	0.0	0.1
Lubricating oil base stocks <sup>2</sup> .....	05	78	-13.1	1.6	-3.9	-2.5	4.7	-6.7
Asphalt.....	05	8102	-10.6	-3.0	-3.2	-14.5	7.4	7.4
Basic inorganic chemicals <sup>2</sup> .....	06	13	-1.2	-0.3	0.0	-0.3	0.2	0.7
Basic organic chemicals.....	06	14	-2.0	3.4	0.3	-1.0	-0.6	-2.1
Paints and allied products <sup>2</sup> .....	06	2	0.4	0.1	0.1	0.7	0.0	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**  
 [November 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		Nov. 2023 to Nov. 2024 <sup>P</sup>	June to July	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>
Agricultural chemicals and chemical products.....	06	5	1.7	1.3	0.7	1.4	-0.7	-1.0
Plastic resins and materials.....	06	6	1.5	1.4	-0.5	-2.1	2.4	1.2
Synthetic rubber <sup>2</sup> .....	07	1102	9.9	-0.5	-0.4	0.4	1.3	-1.2
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	1.0	0.5	1.0	0.0	0.0	-1.5
Paper <sup>2</sup> .....	09	13	2.3	0.5	0.0	0.2	0.5	-0.2
Paperboard <sup>2</sup> .....	09	14	3.8	0.5	1.7	0.4	0.6	0.2
Converted paper and paperboard products <sup>2</sup> .....	09	15	2.0	0.2	0.6	0.6	0.4	0.1
Commercial printing <sup>2</sup> .....	09	47	2.5	0.3	0.6	0.0	0.2	0.0
Foundry and forge shop products <sup>2</sup> .....	10	15	0.3	-0.9	-0.4	-0.2	-0.1	0.1
Steel mill products <sup>2</sup> .....	10	17	-7.1	-3.5	-2.8	-1.6	1.0	1.2
Nonferrous mill shapes <sup>2</sup> .....	10	25	9.1	-0.4	-1.7	-0.3	1.4	2.0
Nonferrous foundry shop products.....	10	28	5.3	0.3	-0.1	0.1	0.6	0.1
Metal containers <sup>2</sup> .....	10	3	0.2	0.7	-0.3	-0.1	-0.4	-0.3
Structural, architectural, and pre-engineered metal products.....	10	74	-3.4	0.4	0.8	0.0	1.4	1.4
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	5.4	0.0	0.2	0.3	-0.1	0.6
Other miscellaneous metal products <sup>2</sup> .....	10	89	2.5	0.1	0.2	-0.4	0.4	0.1
General purpose machinery and equipment.....	11	4	3.2	-0.1	0.9	0.1	0.2	0.3
Electrical machinery and equipment.....	11	7	2.4	-0.1	0.0	0.2	0.2	0.2
Construction sand, gravel, and crushed stone.....	13	21	7.8	1.0	0.7	0.5	0.6	0.6
Cement.....	13	22	4.5	-0.2	0.2	0.1	0.4	0.7
Motor vehicle parts <sup>2</sup> .....	14	12	0.4	0.1	0.1	-0.1	-0.2	0.0
Aircraft and aircraft equipment.....	14	2	2.7	0.3	0.2	0.2	0.1	0.2
Stage 3 intermediate demand services.....	ID5	9312	2.3	0.3	-0.2	0.3	0.2	-0.1
Rail transportation of freight and mail <sup>2</sup> .....	30	11	1.1	0.6	-0.1	0.3	-0.2	-0.1
Courier, messenger, and U.S. postal services.....	30	16	7.0	0.4	2.1	0.3	0.6	0.8
Arrangement of freight and cargo <sup>2</sup> .....	31	31	24.6	-0.3	0.0	-0.6	0.8	0.0
Freight forwarding <sup>2</sup> .....	31	3201	-11.3	0.0	-9.0	-0.4	0.0	0.0
Warehousing, storage, and related services <sup>2</sup> .....	32	1	1.7	0.6	-0.9	0.0	0.3	-0.1
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-2.3	0.0	-1.7	-1.7	-0.2	1.0
Wired telephone services <sup>2</sup> .....	37	1	5.1	0.3	0.1	0.6	-0.5	0.5
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	8.3	0.6	0.6	-0.6	0.4	1.2
Data processing and related services <sup>2</sup> .....	38	1	0.7	0.2	-0.1	-0.2	0.0	-0.3
Business loans (partial).....	39	11	-6.8	-2.0	0.2	-0.6	-2.3	-5.1
Deposit services (partial) <sup>2</sup> .....	39	2	19.1	0.5	-0.2	2.9	0.7	1.1
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	6.4	1.8	0.4	-2.3	-2.8	1.3
Insurance.....	41	11	5.2	0.2	0.5	0.7	0.3	0.1
Nonresidential real estate rents <sup>2</sup> .....	43	11	-0.5	1.7	-0.2	-1.0	1.2	-2.3
Legal services.....	45	1	8.0	0.5	0.5	-0.3	1.4	0.3
Accounting services (partial).....	45	2	3.1	0.6	0.7	-0.5	-1.1	0.5
Architectural and engineering services.....	45	3	1.6	-0.1	0.2	0.3	0.0	0.0
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	1.6	-4.1	0.9	0.1	-0.2	0.0
Advertising agency services <sup>2</sup> .....	45	51	1.4	0.0	0.7	-0.2	0.2	0.0
Staffing services.....	46	3	2.0	0.7	-0.3	1.9	0.2	0.0
Aircraft repair maintenance.....	55	4	5.0	0.1	0.1	0.1	0.2	0.2
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	4.5	5.1	0.9	-1.9	2.7	-0.5
Building materials, paint, and hardware wholesaling.....	57	3	3.0	2.5	1.2	-1.9	2.0	0.6
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-12.9	-0.3	-0.6	2.8	1.3	-2.1
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-1.0	0.2	1.8	-0.8	-1.5	-0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.7	1.1	-0.5	0.0	1.1	-0.4
Food wholesaling <sup>2</sup> .....	57	8101	7.5	-1.6	-1.4	0.9	1.0	1.6
Metal treatment services <sup>2</sup> .....	59	1	2.3	0.1	-0.1	0.7	0.3	-1.0
Stage 2 intermediate demand.....	ID5	2	-0.2	0.5	-1.1	-1.2	1.4	-0.8
Stage 2 intermediate demand goods.....	ID5	9211	-4.9	1.5	-3.0	-3.6	3.4	-1.1
Corn.....	01	2202	-9.5	-5.5	0.0	4.8	-3.0	7.4
Oilseeds.....	01	83	-25.3	-2.0	-6.6	1.6	5.1	-4.7
Prepared animal feeds.....	02	9	-6.2	0.7	-1.0	0.1	1.6	-0.9
Coal <sup>2</sup> .....	05	1	-1.9	0.1	-0.3	-1.6	0.5	-0.1
Natural gas <sup>2</sup> .....	05	31	-17.3	3.3	-20.7	4.2	17.7	2.6
Liquefied petroleum gas <sup>2</sup> .....	05	32	1.4	-4.2	-3.8	-7.4	17.7	-3.4
Crude petroleum <sup>2</sup> .....	05	61	-11.9	3.6	-4.7	-13.1	5.7	-3.3
No. 2 diesel fuel.....	05	7303	-20.6	12.4	1.7	-16.8	6.7	-2.1
Industrial chemicals.....	06	1	-1.9	2.8	0.3	-0.9	-0.5	-1.6
Plastic resins and materials.....	06	6	1.5	1.4	-0.5	-2.1	2.4	1.2
Plastic products <sup>2</sup> .....	07	2	0.7	0.1	0.3	0.0	0.0	-0.2
Logs, bolts, timber, pulpwood, and wood chips <sup>2</sup> .....	08	5	-2.1	0.3	0.6	-0.2	0.0	-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**  
 [November 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		Nov. 2023 to Nov. 2024 <sup>P</sup>	June to July	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>
Paper <sup>2</sup> .....	09	13	2.3	0.5	0.0	0.2	0.5	-0.2
Paperboard, excluding corrugated paperboard <sup>2</sup> .....	09	1411	3.8	0.6	2.0	0.2	0.8	0.3
Commercial printing <sup>2</sup> .....	09	47	2.5	0.3	0.6	0.0	0.2	0.0
Iron and steel scrap.....	10	12	-4.5	5.5	2.0	-0.1	7.9	0.0
Steel mill products <sup>2</sup> .....	10	17	-7.1	-3.5	-2.8	-1.6	1.0	1.2
Nonferrous mill shapes <sup>2</sup> .....	10	25	9.1	-0.4	-1.7	-0.3	1.4	2.0
Electrical machinery and equipment.....	11	7	2.4	-0.1	0.0	0.2	0.2	0.2
Electronic components and accessories.....	11	78	0.8	-1.0	0.0	0.1	0.6	0.6
Stage 2 intermediate demand services.....	ID5	9212	3.2	-0.1	0.2	0.5	0.0	-0.7
Rail transportation of freight and mail <sup>2</sup> .....	30	11	1.1	0.6	-0.1	0.3	-0.2	-0.1
Truck transportation of freight <sup>2</sup> .....	30	12	-1.3	1.9	-1.4	-0.6	-0.1	-0.2
U.S. Postal Service <sup>2</sup> .....	30	1601	10.4	0.0	6.1	0.0	0.9	0.0
Courier and messenger services, except air.....	30	1602	5.3	0.3	0.6	0.4	0.3	1.2
Air mail and package delivery services, excluding by USPS.....	30	1603	5.1	1.2	-0.8	0.6	0.5	1.2
Pipeline transportation <sup>2</sup> .....	30	17	1.2	0.9	-0.1	0.0	0.5	0.0
Airline passenger services.....	30	22	-0.2	0.2	-1.0	1.0	2.6	-2.1
Arrangement of freight and cargo <sup>2</sup> .....	31	31	24.6	-0.3	0.0	-0.6	0.8	0.0
Television advertising time sales.....	36	21	-6.2	0.1	-3.2	3.9	7.1	-13.2
Wireless telecommunication services.....	37	2	1.7	0.1	0.0	0.1	0.1	0.2
Data processing and related services <sup>2</sup> .....	38	1	0.7	0.2	-0.1	-0.2	0.0	-0.3
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	6.4	1.8	0.4	-2.3	-2.8	1.3
Portfolio management <sup>2</sup> .....	40	2	20.3	2.5	0.0	0.7	3.1	-0.6
Investment banking <sup>2</sup> .....	40	31	13.0	0.2	1.6	2.2	-1.3	0.0
Insurance.....	41	11	5.2	0.2	0.5	0.7	0.3	0.1
Commissions from sales of insurance <sup>2</sup> .....	42	11	2.4	0.4	0.0	0.0	0.2	0.0
Legal services.....	45	1	8.0	0.5	0.5	-0.3	1.4	0.3
Accounting services (partial).....	45	2	3.1	0.6	0.7	-0.5	-1.1	0.5
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	1.6	-4.1	0.9	0.1	-0.2	0.0
Advertising agency services <sup>2</sup> .....	45	51	1.4	0.0	0.7	-0.2	0.2	0.0
Staffing services.....	46	3	2.0	0.7	-0.3	1.9	0.2	0.0
Security guard services <sup>2</sup> .....	48	1	7.1	0.2	0.0	0.3	0.5	-0.1
Janitorial services <sup>2</sup> .....	49	1	6.2	0.2	0.0	1.2	0.0	0.0
Traveler accommodation services.....	53	1	1.6	-3.6	3.1	0.9	2.8	-3.1
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.6	-0.1	1.4	0.7	0.1	0.5
Hardware and building materials and supplies retailing.....	58	D	-1.8	0.4	3.4	-0.7	-2.9	1.9
Stage 1 intermediate demand.....	ID5	1	0.5	0.6	0.0	-0.5	0.3	-0.1
Stage 1 intermediate demand goods.....	ID5	9111	-1.6	0.7	-0.1	-0.9	0.4	0.0
Prepared animal feeds.....	02	9	-6.2	0.7	-1.0	0.1	1.6	-0.9
Commercial electric power.....	05	42	1.9	-1.4	-1.0	0.3	1.2	-1.0
Industrial electric power.....	05	43	-0.5	-0.7	-0.2	0.0	1.4	-1.8
Commercial natural gas.....	05	52	-2.4	0.0	-3.8	0.3	0.9	0.9
Industrial natural gas.....	05	53	-5.3	3.3	-5.8	-1.9	-0.4	3.2
Gasoline.....	05	71	-9.3	2.8	0.2	-5.3	-1.0	0.4
No. 2 diesel fuel.....	05	7303	-20.6	12.4	1.7	-16.8	6.7	-2.1
Industrial chemicals.....	06	1	-1.9	2.8	0.3	-0.9	-0.5	-1.6
Prepared paint <sup>2</sup> .....	06	21	0.6	0.2	0.1	0.2	0.0	0.3
Plastic construction products <sup>2</sup> .....	07	21	-0.9	-0.1	0.2	-0.2	-0.6	-0.1
Recyclable paper <sup>2</sup> .....	09	12	9.6	0.1	-1.8	-2.6	-13.2	-7.3
Paper <sup>2</sup> .....	09	13	2.3	0.5	0.0	0.2	0.5	-0.2
Converted paper and paperboard products <sup>2</sup> .....	09	15	2.0	0.2	0.6	0.6	0.4	0.1
Iron and steel scrap.....	10	12	-4.5	5.5	2.0	-0.1	7.9	0.0
Steel mill products <sup>2</sup> .....	10	17	-7.1	-3.5	-2.8	-1.6	1.0	1.2
Primary nonferrous metals <sup>2</sup> .....	10	22	13.4	-0.9	-2.5	4.4	2.7	-2.7
Nonferrous scrap.....	10	23	13.0	0.2	-7.1	1.2	3.7	-0.8
Nonferrous wire and cable <sup>2</sup> .....	10	26	7.2	-2.2	-2.5	0.1	1.7	-0.9
Fabricated structural metal products.....	10	7	0.6	0.3	1.0	0.3	1.1	0.8
General purpose machinery and equipment.....	11	4	3.2	-0.1	0.9	0.1	0.2	0.3
Construction sand, gravel, and crushed stone.....	13	21	7.8	1.0	0.7	0.5	0.6	0.6
Stage 1 intermediate demand services.....	ID5	9112	2.4	0.5	0.2	0.0	0.1	-0.3
Truck transportation of freight <sup>2</sup> .....	30	12	-1.3	1.9	-1.4	-0.6	-0.1	-0.2
Airline passenger services.....	30	22	-0.2	0.2	-1.0	1.0	2.6	-2.1
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-2.3	0.0	-1.7	-1.7	-0.2	1.0
Business wired telecommunication services <sup>2</sup> .....	37	12	6.3	0.7	0.2	1.3	-0.8	0.9
Wireless telecommunication services.....	37	2	1.7	0.1	0.0	0.1	0.1	0.2

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [November 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		Nov. 2023 to Nov. 2024 <sup>p</sup>	June to July	July to Aug. <sup>p</sup>	Aug. to Sept. <sup>p</sup>	Sept. to Oct. <sup>p</sup>
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	8.3	0.6	0.6	-0.6	0.4	1.2
Business loans (partial).....	39	11	-6.8	-2.0	0.2	-0.6	-2.3	-5.1
Deposit services (partial) <sup>2</sup> .....	39	2	19.1	0.5	-0.2	2.9	0.7	1.1
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	6.4	1.8	0.4	-2.3	-2.8	1.3
Portfolio management <sup>2</sup> .....	40	2	20.3	2.5	0.0	0.7	3.1	-0.6
Investment banking <sup>2</sup> .....	40	3	13.0	0.2	1.6	2.2	-1.3	0.0
Insurance.....	41	11	5.2	0.2	0.5	0.7	0.3	0.1
Nonresidential real estate rents <sup>2</sup> .....	43	11	-0.5	1.7	-0.2	-1.0	1.2	-2.3
Architectural and engineering services.....	45	3	1.6	-0.1	0.2	0.3	0.0	0.0
Management consulting services <sup>2</sup> .....	45	41	1.6	-4.1	0.9	0.1	-0.2	0.0
Waste collection.....	50	1	5.9	-0.1	-0.7	1.5	-0.1	2.0
Traveler accommodation services.....	53	11	1.6	-3.6	3.1	0.9	2.8	-3.1
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.6	-0.1	1.4	0.7	0.1	0.5
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	4.5	5.1	0.9	-1.9	2.7	-0.5
Building materials, paint, and hardware wholesaling.....	57	3	3.0	2.5	1.2	-1.9	2.0	0.6
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-12.9	-0.3	-0.6	2.8	1.3	-2.1
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-1.0	0.2	1.8	-0.8	-1.5	-0.1
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-3.7	1.1	-0.5	0.0	1.1	-0.4
Hardware and building materials and supplies retailing.....	58	D	-1.8	0.4	3.4	-0.7	-2.9	1.9
Mining services <sup>2</sup> .....	60	1	0.4	0.3	1.2	-0.5	-1.9	0.8

<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**  
 [November 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	July 2024	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>	Oct. 2024 <sup>P</sup>	Nov. 2024 <sup>P</sup>
<b>Final Demand</b>								
Final demand.....		FD	4	144.875	145.309	145.570	145.941	146.493
Final demand goods.....		FD	41	143.806	143.738	143.290	143.499	144.544
Final demand foods.....		FD	411	152.080	152.473	153.621	153.647	158.371
Finished consumer foods <sup>2</sup> .....	00/82	FD	4111	272.453	274.583	276.268	275.519	285.179
Finished consumer foods, crude.....	00/82	FD	411113	256.196	287.009	284.579	269.990	354.325
Finished consumer foods, processed.....	00/82	FD	411112	272.820	272.207	274.277	274.844	277.372
Government purchased foods.....		FD	4112	160.535	159.405	160.783	161.872	163.248
Foods for export.....		FD	4113	140.634	137.961	139.910	141.549	144.335
Final demand energy.....		FD	412	137.523	136.095	132.069	132.180	132.450
Finished consumer energy goods <sup>2</sup> .....	00/82	FD	4121	216.298	215.082	210.355	210.133	210.961
Government purchased energy.....		FD	4122	144.383	140.690	132.589	134.238	133.314
Energy for export.....		FD	4123	128.686	124.550	117.283	117.169	116.971
Final demand goods less foods and energy.....		FD	413	143.572	143.800	144.023	144.315	144.570
Finished goods less foods and energy <sup>2</sup> .....	00/82	FD	4131	253.075	253.838	254.396	254.638	255.289
Finished consumer goods less foods and energy.....	00/82	FD	41311	280.451	281.544	282.121	282.311	283.127
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	365.730	367.771	368.373	368.776	370.157
Durable consumer goods.....	00/82	FD	413112	193.376	193.622	194.144	194.147	194.449
Private capital equipment.....	00/82	FD	41312	217.973	218.414	218.931	219.207	219.684
Private capital equipment for manufacturing industries.....	00/82	FD	413121	236.106	236.902	237.234	237.815	238.242
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	212.558	212.894	213.465	213.652	214.143
Government purchased goods, excluding foods and energy.....		FD	4132	139.895	140.080	140.342	140.352	140.482
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	147.782	148.030	148.299	148.210	148.259
Government purchased capital equipment.....		FD	41322	127.859	127.966	128.215	128.344	128.569
Goods for export, excluding foods and energy.....		FD	4133	139.107	138.985	139.024	139.664	139.752
Final demand services.....		FD	42	144.211	144.886	145.466	145.932	146.278
Final demand trade services <sup>3</sup> .....		FD	423	152.232	153.894	155.642	155.747	157.026
Trade of finished goods <sup>2</sup> .....		FD	4231	150.031	151.519	153.264	153.156	154.444
Trade of personal consumption goods.....		FD	42311	150.312	150.726	152.009	151.424	152.561
Trade of private capital equipment.....		FD	42312	147.084	153.308	157.081	159.150	161.106
Trade of government purchased goods.....		FD	4232	167.513	170.142	172.379	173.796	175.283
Trade of government purchased goods, excluding capital equipment.....		FD	42321	175.963	174.907	174.559	175.539	176.163
Trade of government purchased capital equipment.....		FD	42322	153.282	161.391	167.469	169.557	172.381
Trade of exports.....		FD	4233	167.161	170.102	171.690	173.314	174.427
Final demand transportation and warehousing services.....		FD	422	150.867	149.540	149.546	150.591	149.817
Transportation of passengers for final demand.....		FD	4221	132.937	131.627	132.891	136.321	133.492
Transportation of private passengers.....		FD	42211	132.943	131.637	132.897	136.321	133.498
Transportation of government passengers.....		FD	42212	132.745	131.451	132.700	136.093	133.297
Transportation of passengers for export.....		FD	42213	132.918	131.596	132.870	136.331	133.476
Transportation and warehousing of goods for final demand.....		FD	4222	157.034	155.708	155.223	155.324	155.360
Transportation and warehousing of finished goods <sup>2</sup> .....		FD	42221	154.788	153.425	152.851	152.919	152.830
Transportation and warehousing of personal consumption goods.....		FD	422211	155.392	154.156	153.599	153.689	153.624
Transportation and warehousing of private capital equipment.....		FD	422212	152.341	150.460	149.818	149.790	149.608
Transportation and warehousing of government purchased goods.....		FD	42222	155.741	155.055	154.635	154.867	154.751
Transportation and warehousing of exports.....		FD	42223	163.666	162.278	161.980	162.133	162.492
Final demand services less trade, transportation, and warehousing.....		FD	421	139.645	140.127	140.294	140.839	140.928
Finished services less trade, transportation, and warehousing <sup>2</sup> .....		FD	4211	139.624	140.148	140.311	140.889	141.006
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	138.947	139.550	139.678	140.323	140.429
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	146.073	145.984	146.425	146.479	146.681
Government purchased services less trade, transportation, and warehousing.....		FD	4212	130.554	130.734	131.046	131.595	131.431
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	131.082	131.335	131.624	132.156	131.990
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	116.722	115.849	116.477	117.235	117.110
Services for export less trade, transportation, and warehousing.....		FD	4213	151.224	151.456	151.517	151.580	151.544
Final demand construction.....		FD	43	176.962	176.911	177.101	176.786	176.850
Construction for private capital investment.....		FD	431	180.747	180.667	180.890	180.471	180.539
Construction for government.....		FD	432	170.021	170.031	170.151	170.053	170.109
<b>Final Demand Special Groupings</b>								
Final demand less exports.....	04/10	FD	49101	142.535	143.042	143.320	143.632	144.214
Final demand less government.....	04/10	FD	49102	142.864	143.341	143.654	144.000	144.591
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>1</sup> .....	04/10	FD	49103	143.291	143.886	144.378	144.801	145.133
Final demand less foods and energy <sup>4</sup> .....	04/10	FD	49104	143.162	143.717	144.206	144.609	144.926
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>4</sup> .....	04/10	FD	49105	142.468	142.929	143.122	143.523	143.851

See footnotes at end of table.

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

[November 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	July 2024	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>	Oct. 2024 <sup>P</sup>	Nov. 2024 <sup>P</sup>
Final demand less foods <sup>4</sup> .....	04/10	FD	49106	142.323	142.753	142.961	143.344	143.658
Final demand less energy.....	04/10	FD	49107	143.410	143.955	144.480	144.863	145.427
Final demand less trade services.....	01/10	FD	49108	141.456	141.617	141.550	141.973	142.361
Final demand less distributive services <sup>5</sup> .....	01/10	FD	49109	140.958	141.182	141.132	141.570	141.973
Final demand goods less energy.....	01/10	FD	49111	143.899	144.161	144.582	144.813	146.038
Final demand goods less foods.....	04/10	FD	49112	138.966	138.804	138.032	138.276	138.529
Final demand services less trade services.....	04/10	FD	49113	139.472	139.781	139.931	140.519	140.525
Final demand distributive services <sup>5</sup> .....	04/10	FD	49114	149.897	151.065	152.435	152.536	153.599
Final demand goods plus final demand distributive services <sup>5</sup> .....	04/10	FD	49115	144.251	144.696	145.008	145.171	146.207
Final demand less foods, energy, and trade services <sup>4</sup> .....	08/13	FD	49116	132.694	132.953	133.114	133.564	133.634
Private and government purchased capital equipment.....	08/13	FD	49117	131.615	131.859	132.163	132.326	132.606
Private and government purchased capital investment services.....	08/13	FD	49118	135.796	137.921	139.542	140.326	141.140
Total private and government purchased capital investment.....	08/13	FD	49119	136.940	138.082	139.023	139.435	139.950
Total finished <sup>2</sup> .....	01/10	FD	49201	143.541	144.118	144.464	144.750	145.393
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>2, 4</sup> .....	12/10	FD	49202	142.746	143.380	143.909	144.260	144.640
Total finished less foods and energy <sup>2, 4</sup> .....	01/10	FD	49203	143.624	144.254	144.788	145.142	145.516
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>2, 4</sup> .....	12/10	FD	49204	141.590	142.134	142.442	142.761	143.148
Total finished less foods <sup>2, 4</sup> .....	01/10	FD	49205	143.031	143.574	143.887	144.210	144.593
Total finished less energy <sup>2</sup> .....	01/10	FD	49206	144.143	144.804	145.361	145.674	146.326
Finished goods <sup>2</sup> .....	00/82	FD	49207	257.069	257.616	257.013	256.931	259.539
Finished goods less energy <sup>2</sup> .....	00/82	FD	49208	257.412	258.541	259.402	259.374	262.460
Finished goods, excluding foods <sup>2, 4</sup> .....	00/82	FD	49209	252.354	252.484	251.280	251.376	252.117
Finished services <sup>2</sup> .....	01/10	FD	49210	142.252	142.935	143.515	143.929	144.310
Private capital investment services.....	04/10	FD	49211	146.058	148.224	149.846	150.646	151.480
Finished distributive services <sup>2, 5</sup> .....	04/10	FD	49212	147.513	148.627	150.058	149.973	151.069
Finished services less trade services <sup>2</sup> .....	04/10	FD	49213	139.148	139.531	139.678	140.284	140.328
Finished services less distributive services <sup>2, 5</sup> .....	04/10	FD	49214	138.564	139.044	139.230	139.867	139.918
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	144.999	146.238	147.237	147.682	148.240
Finished goods plus finished distributive services <sup>2</sup> .....	04/10	FD	49216	145.326	146.021	146.536	146.472	147.754
Total exports.....	04/10	FD	49301	142.585	142.495	142.621	143.325	143.626
Goods for export.....	00/82	FD	49302	232.578	231.486	231.220	232.416	233.065
Services for export.....	04/10	FD	49303	156.888	157.554	158.073	158.805	159.012
Total government purchases.....	04/10	FD	49401	139.738	139.605	139.226	139.809	139.828
Government purchased goods.....	00/82	FD	49402	232.932	231.371	228.517	229.418	229.422
Government purchased services.....	04/10	FD	49403	138.269	138.758	139.365	140.112	140.144
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	135.390	136.315	137.234	137.576	138.010
Government purchases, defense.....	05/15	FD	49405	125.752	125.242	125.074	125.637	125.746
Government purchases, non-defense.....	05/15	FD	49406	134.315	134.368	133.928	134.469	134.462
Personal consumption.....	01/10	FD	49501	143.125	143.550	143.747	143.999	144.662
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	273.587	274.180	273.086	272.847	276.384
Personal consumption goods less energy.....	00/82	FD	49503	277.567	279.116	280.180	279.957	284.656
Personal consumption goods less foods.....	00/82	FD	49504	272.143	272.077	269.808	269.791	270.691
Personal consumption nondurable goods less foods.....	00/82	FD	49508	306.547	306.340	302.822	302.796	303.962
Personal consumption services.....	04/10	FD	49505	141.133	141.585	142.002	142.357	142.668
Personal consumption less trade services.....	04/10	FD	49506	140.729	141.154	141.080	141.537	142.080
Personal consumption less distributive services <sup>5</sup> .....	04/10	FD	49507	140.438	140.923	140.866	141.336	141.902
Personal consumption less foods and energy.....	04/14	FD	49510	132.145	132.577	132.955	133.263	133.564
Personal consumption less foods, energy, and trade services <sup>3</sup> .....	04/14	FD	49511	130.159	130.606	130.742	131.304	131.379
Personal consumption less foods, energy, and distributive services <sup>5</sup> .....	04/14	FD	49512	130.163	130.682	130.846	131.432	131.513
Personal consumption goods plus personal consumption distributive services <sup>5</sup> .....	08/13	FD	49509	133.578	133.817	134.039	133.755	135.047
<b>Intermediate Demand by Commodity Type</b>								
<b>Processed goods</b>								
Processed goods for intermediate demand.....	00/82	ID6	1	255.569	255.183	253.014	254.414	254.354
Materials and components for manufacturing.....	00/82	ID6	11	234.050	233.782	233.528	234.387	234.983
Materials for manufacturing.....		ID6	111	144.352	143.806	143.596	144.387	144.889
Materials for food manufacturing.....	00/82	ID6	1111	258.829	258.895	260.967	260.321	264.229
Materials for nondurable manufacturing.....	00/82	ID6	1112	265.186	265.563	264.209	265.157	263.796
Materials for durable manufacturing.....	00/82	ID6	1113	272.933	269.745	269.371	272.442	274.731
Components for manufacturing.....	00/82	ID6	112	190.585	191.170	191.075	191.223	191.425
Components for nondurable manufacturing.....		ID6	1121	147.593	148.377	148.236	148.426	147.786
Components for durable manufacturing.....		ID6	1122	134.536	134.933	134.870	134.971	135.150
Materials and components for construction.....	00/82	ID6	12	353.495	354.529	354.669	356.076	357.319
Materials for construction.....		ID6	121	169.250	169.176	169.529	170.582	171.561
Components for construction.....		ID6	122	178.740	179.746	179.573	179.963	180.267
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	238.282	236.159	225.109	228.740	226.039
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	245.566	244.692	237.028	242.464	238.006

See footnotes at end of table.

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

[November 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	July 2024	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>	Oct. 2024 <sup>P</sup>	Nov. 2024 <sup>P</sup>
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	236.258	233.736	221.601	224.665	222.518
Containers for intermediate demand.....	00/82	ID6	14	308.276	309.910	311.195	312.700	312.840
Supplies for intermediate demand.....	00/82	ID6	15	251.983	252.180	252.750	253.214	253.638
Supplies to manufacturing industries.....	00/82	ID6	151	249.863	250.138	250.706	251.079	251.418
Supplies to nonmanufacturing industries.....	00/82	ID6	152	250.312	250.495	251.061	251.535	251.970
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	217.734	215.770	216.422	218.483	216.896
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	256.559	257.022	257.582	257.854	258.554
<b>Unprocessed goods</b>								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	252.017	243.585	239.741	245.401	246.792
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	221.941	219.129	227.630	225.213	231.807
Unprocessed nonfood materials.....	00/82	ID6	22	262.923	250.758	238.071	249.378	246.911
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	335.524	325.397	305.344	316.511	311.837
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	309.567	299.628	280.082	290.840	286.209
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	375.451	377.925	379.701	381.643	383.803
Unprocessed fuel.....	00/82	ID6	222	113.096	97.659	99.505	110.538	112.359
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	219.896	213.536	211.419	216.464	216.960
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	110.303	93.914	96.036	107.721	109.669
<b>Services</b>								
Services for intermediate demand.....		ID6	3	151.709	151.801	152.051	152.341	151.866
Trade services for intermediate demand <sup>5</sup> .....		ID6	33	177.611	177.859	177.777	178.533	179.077
Trade services for manufacturing industries.....	12/12	ID6	331	161.474	161.564	161.304	162.777	162.830
Trade services for nonmanufacturing industries.....	12/12	ID6	332	158.810	159.162	159.266	159.192	160.100
Transportation and warehousing services for intermediate demand.....		ID6	32	160.921	160.541	160.726	161.500	161.731
Transportation of passengers for intermediate demand.....		ID6	321	132.809	131.516	132.765	136.156	133.361
Transportation of passengers for manufacturing industries.....		ID6	3211	132.896	131.576	132.849	136.307	133.455
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	132.859	131.569	132.815	136.199	133.410
Transportation and warehousing of goods for intermediate demand.....		ID6	322	163.883	163.588	163.674	164.204	164.719
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	132.507	131.458	131.304	131.503	131.499
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	147.465	147.435	147.577	148.121	148.706
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	143.013	143.158	143.488	143.588	142.770
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	134.526	135.028	135.449	135.719	135.672
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	143.283	143.415	143.742	143.836	142.991
<b>Construction</b>								
Construction for intermediate demand.....		ID6	4	152.194	152.528	152.528	152.542	152.536
<b>Intermediate Demand by Commodity Type Special Groupings</b>								
Processed materials less foods and feeds.....	00/82	ID6	9111	256.546	256.180	253.599	255.108	254.801
Processed foods and feeds.....	00/82	ID6	9112	246.275	245.697	247.556	247.883	250.214
Processed energy goods.....	00/82	ID6	9113	239.388	237.255	226.154	229.802	227.089
Processed materials less energy.....	00/82	ID6	9118	256.531	256.585	256.664	257.488	258.088
Processed materials less foods and energy.....	00/82	ID6	9115	257.356	257.491	257.340	258.226	258.598
Intermediate distributive services <sup>6</sup> .....	04/10	ID6	9116	169.119	169.128	169.120	169.767	170.291
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	147.073	146.922	146.059	146.790	146.907
Unprocessed materials less agricultural products.....	00/82	ID6	9211	273.055	259.674	244.573	257.475	253.485
Unprocessed energy materials <sup>7</sup> .....	00/82	ID6	9212	202.931	189.255	171.150	182.998	179.416
Unprocessed materials less energy.....	00/82	ID6	9213	275.470	272.170	280.503	280.504	285.927
Unprocessed nonfood materials less energy <sup>8</sup> .....	00/82	ID6	9216	435.007	430.277	437.852	445.407	447.018
<b>Intermediate Demand by Production Flow</b>								
<b>Stage 4 Intermediate Demand</b>								
Stage 4 intermediate demand.....		ID5	4	151.943	151.969	151.930	152.436	152.478
Inputs to stage 4 goods producers.....		ID5	41	146.876	146.821	147.055	147.604	148.169
Goods.....		ID5	411	138.738	138.593	139.109	139.168	139.925
Foods.....		ID5	4111	140.795	139.834	142.010	141.906	146.355
Energy.....		ID5	4112	128.901	130.773	134.366	131.783	130.428
Goods excluding foods and energy.....		ID5	4113	138.622	138.584	138.818	138.926	139.136
Services.....		ID5	412	173.967	174.210	173.502	175.683	175.607
Trade services.....		ID5	4123	186.579	186.889	185.755	188.680	188.626
Transportation and warehousing services.....		ID5	4122	137.547	136.788	136.955	137.556	137.022
Transportation of passengers.....		ID5	41221	132.917	131.595	132.870	136.330	133.476
Transportation and warehousing of goods.....		ID5	41222	147.563	146.864	146.824	146.898	146.786
Services less trade, transportation, and warehousing.....		ID5	4121	135.002	135.348	135.639	136.009	136.020
Inputs to stage 4 services producers.....		ID5	42	151.421	151.409	151.337	151.758	151.395

See footnotes at end of table.



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

[November 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	July 2024	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>	Oct. 2024 <sup>P</sup>	Nov. 2024 <sup>P</sup>
Goods.....		ID5	421	147.535	147.207	147.195	147.822	147.825
Foods.....		ID5	4211	151.017	149.777	152.460	152.918	155.962
Energy.....		ID5	4212	141.252	140.305	138.374	139.877	138.175
Goods excluding foods and energy.....		ID5	4213	149.264	149.582	149.860	150.020	150.077
Services.....		ID5	422	152.488	152.581	152.489	152.841	152.356
Trade services.....		ID5	4223	167.890	167.781	167.253	168.494	168.811
Transportation and warehousing services.....		ID5	4222	155.622	156.603	156.806	157.910	157.794
Transportation of passengers.....		ID5	42221	132.422	131.114	132.376	135.802	132.977
Transportation and warehousing of goods.....		ID5	42222	160.210	161.583	161.608	162.318	162.663
Services less trade, transportation, and warehousing.....		ID5	4221	149.422	149.445	149.368	149.545	148.938
Construction.....		ID5	423	152.194	152.528	152.528	152.542	152.536
Inputs to stage 4 construction producers.....		ID5	43	162.845	163.213	162.702	163.455	164.018
Goods.....		ID5	431	166.638	167.180	166.452	167.393	168.153
Energy.....		ID5	4312	140.424	140.795	130.822	131.919	132.204
Goods excluding foods and energy.....		ID5	4313	173.092	173.664	173.850	174.797	175.621
Services.....		ID5	432	153.043	152.978	153.005	153.292	153.364
Trade services.....		ID5	4323	170.119	170.383	170.212	171.008	171.196
Transportation and warehousing services.....		ID5	4322	148.681	146.996	146.497	146.545	146.280
Transportation of passengers.....		ID5	43221	138.557	137.182	138.508	142.108	139.139
Transportation and warehousing of goods.....		ID5	43222	149.714	148.013	147.467	147.430	147.229
Services less trade, transportation, and warehousing.....		ID5	4321	134.640	134.915	135.305	135.246	135.348
<b>Stage 3 Intermediate Demand</b>								
Stage 3 intermediate demand.....		ID5	3	148.128	147.620	147.541	147.891	148.095
Inputs to stage 3 goods producers.....		ID5	31	155.673	155.305	156.397	156.419	157.444
Goods.....		ID5	311	150.891	150.551	151.809	151.688	153.013
Foods.....		ID5	3111	168.310	169.283	175.467	173.143	177.315
Energy.....		ID5	3112	127.286	126.655	118.929	121.247	122.422
Goods excluding foods and energy.....		ID5	3113	149.060	148.165	147.875	148.567	148.739
Services.....		ID5	312	163.632	163.183	163.562	164.135	163.944
Trade services.....		ID5	3123	168.642	168.700	169.370	170.332	170.174
Transportation and warehousing services.....		ID5	3122	151.927	150.467	150.130	150.298	150.046
Transportation of passengers.....		ID5	31221	141.520	140.114	141.470	145.152	142.115
Transportation and warehousing of goods.....		ID5	31222	152.287	150.827	150.396	150.369	150.271
Services less trade, transportation, and warehousing.....		ID5	3121	138.172	138.141	138.880	138.920	138.779
Inputs to stage 3 services producers.....		ID5	32	141.380	140.749	139.816	140.425	140.019
Goods.....		ID5	321	122.283	120.592	114.401	116.119	115.016
Foods.....		ID5	3211	154.485	153.268	151.871	151.715	152.522
Energy.....		ID5	3212	118.588	115.724	105.500	108.125	106.376
Goods excluding foods and energy.....		ID5	3213	137.838	137.987	138.030	138.391	138.253
Services.....		ID5	322	146.176	145.813	146.253	146.577	146.349
Trade services.....		ID5	3223	202.532	200.730	201.469	201.255	201.981
Transportation and warehousing services.....		ID5	3222	171.675	171.649	172.088	172.747	173.724
Transportation of passengers.....		ID5	32221	104.176	104.184	104.237	104.376	104.346
Transportation and warehousing of goods.....		ID5	32222	172.225	172.198	172.639	173.302	174.284
Services less trade, transportation, and warehousing.....		ID5	3221	136.305	135.935	136.359	136.624	136.006
Construction.....		ID5	323	152.194	152.528	152.528	152.542	152.536
Inputs to stage 3 construction producers.....		ID5	33	141.996	142.723	143.202	142.373	143.404
Goods.....		ID5	331	134.957	134.638	135.302	135.346	136.175
Goods excluding foods and energy.....		ID5	3313	171.967	171.561	172.407	172.463	173.519
Services.....		ID5	332	169.213	171.284	171.606	169.625	171.032
Trade services.....		ID5	3323	174.003	176.313	176.609	174.376	175.996
Transportation and warehousing services.....		ID5	3322	117.995	117.806	118.236	118.522	118.710
Transportation and warehousing of goods.....		ID5	33222	124.548	124.348	124.803	125.105	125.303
Services less trade, transportation, and warehousing.....		ID5	3321	128.135	128.260	128.835	128.970	128.213
<b>Stage 2 Intermediate Demand</b>								
Stage 2 intermediate demand.....		ID5	2	137.687	136.161	134.587	136.411	135.304
Inputs to stage 2 goods producers.....		ID5	21	124.271	121.190	117.787	121.072	120.081
Goods.....		ID5	211	118.576	114.543	109.819	114.094	112.696
Foods.....		ID5	2111	140.144	136.476	137.673	141.796	139.224
Energy.....		ID5	2112	89.823	83.907	75.948	81.614	79.943
Goods excluding foods and energy.....		ID5	2113	144.388	144.208	144.473	145.664	145.250
Services.....		ID5	212	155.174	154.871	155.433	155.836	156.077
Trade services.....		ID5	2123	176.412	175.979	176.490	177.135	178.688
Transportation and warehousing services.....		ID5	2122	171.520	170.818	171.175	171.979	172.111
Transportation of passengers.....		ID5	21221	133.426	132.164	133.385	136.697	133.970
Transportation and warehousing of goods.....		ID5	21222	173.695	173.018	173.334	174.018	174.288
Services less trade, transportation, and warehousing.....		ID5	2121	140.530	140.719	141.635	141.431	140.315
Construction.....		ID5	213	152.194	152.528	152.528	152.542	152.536

See footnotes at end of table.

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

[November 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	July 2024	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>	Oct. 2024 <sup>P</sup>	Nov. 2024 <sup>P</sup>
Inputs to stage 2 services producers.....		ID5	22	149.510	149.957	150.699	150.654	149.441
Goods.....		ID5	221	144.097	144.348	143.817	144.064	144.033
Foods.....		ID5	2211	112.691	113.345	113.928	116.878	116.461
Energy.....		ID5	2212	145.460	143.685	134.615	135.254	133.746
Goods excluding foods and energy.....		ID5	2213	144.736	145.116	145.132	145.318	145.388
Services.....		ID5	222	149.682	150.155	151.067	150.985	149.604
Trade services.....		ID5	2223	192.923	200.333	200.302	196.949	199.734
Transportation and warehousing services.....		ID5	2222	154.725	150.888	150.981	152.011	151.937
Transportation of passengers.....		ID5	22221	133.352	132.037	133.305	136.750	133.910
Transportation and warehousing of goods.....		ID5	22222	159.263	154.948	154.825	155.416	155.849
Services less trade, transportation, and warehousing.....		ID5	2221	148.184	148.655	149.677	149.665	147.985
Construction.....		ID5	223	152.194	152.528	152.528	152.542	152.536
<b>Stage 1 Intermediate Demand</b>								
Stage 1 intermediate demand.....		ID5	1	146.675	146.725	146.035	146.444	146.253
Inputs to stage 1 goods producers.....		ID5	11	141.881	141.438	141.291	141.573	141.822
Goods.....		ID5	111	138.013	137.190	136.932	137.191	137.512
Foods.....		ID5	1111	131.308	129.137	130.911	130.526	134.410
Energy.....		ID5	1112	120.821	119.631	117.602	116.888	115.847
Goods excluding foods and energy.....		ID5	1113	146.837	146.311	146.128	146.736	146.788
Services.....		ID5	112	156.631	157.270	157.440	157.796	157.845
Trade services.....		ID5	1123	168.731	169.461	169.450	170.125	169.993
Transportation and warehousing services.....		ID5	1122	160.635	159.937	160.805	162.788	162.894
Transportation of passengers.....		ID5	11221	132.891	131.570	132.844	136.304	133.450
Transportation and warehousing of goods.....		ID5	11222	165.687	165.152	165.909	167.502	168.342
Services less trade, transportation, and warehousing.....		ID5	1121	115.189	115.803	116.063	115.739	115.994
Construction.....		ID5	113	152.194	152.528	152.528	152.542	152.536
Inputs to stage 1 services producers.....		ID5	12	148.526	148.780	147.835	148.301	147.727
Goods.....		ID5	121	144.943	145.415	142.577	143.479	142.989
Foods.....		ID5	1211	148.832	173.853	166.326	144.479	157.000
Energy.....		ID5	1212	147.854	147.654	138.369	141.156	139.305
Goods excluding foods and energy.....		ID5	1213	151.495	152.142	152.224	152.440	152.477
Services.....		ID5	122	149.350	149.510	149.367	149.646	149.040
Trade services.....		ID5	1223	179.605	179.260	179.468	179.639	180.112
Transportation and warehousing services.....		ID5	1222	146.056	147.058	147.488	149.073	148.574
Transportation of passengers.....		ID5	12221	132.812	131.492	132.765	136.222	133.371
Transportation and warehousing of goods.....		ID5	12222	168.648	170.980	171.013	171.781	172.467
Services less trade, transportation, and warehousing.....		ID5	1221	145.105	145.195	144.937	145.038	144.318
Construction.....		ID5	123	152.194	152.528	152.528	152.542	152.536
Inputs to stage 1 construction producers.....		ID5	13	163.075	163.571	162.485	163.024	163.376
Goods.....		ID5	131	164.224	164.679	163.075	164.269	164.414
Energy.....		ID5	1312	123.141	124.394	108.647	113.753	111.197
Goods excluding foods and energy.....		ID5	1313	171.861	172.227	172.305	173.046	173.520
Services.....		ID5	132	161.294	161.895	162.071	161.008	161.870
Trade services.....		ID5	1323	170.683	172.124	172.583	171.101	172.351
Transportation and warehousing services.....		ID5	1322	123.154	121.494	120.892	120.892	120.740
Transportation and warehousing of goods.....		ID5	13222	127.387	125.669	125.047	125.047	124.890
Services less trade, transportation, and warehousing.....		ID5	1321	142.905	144.153	144.746	144.689	144.999
<b>Intermediate Demand by Production Flow Special Groupings</b>								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	143.931	143.871	143.973	144.374	144.893
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	155.429	155.531	155.366	155.956	155.566
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	150.933	151.264	151.265	151.279	151.272
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	142.006	140.948	143.290	143.424	147.184
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	129.109	128.520	125.746	126.939	125.678
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	147.591	147.770	148.000	148.315	148.636
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	136.386	135.734	135.110	135.444	136.106
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	148.156	147.804	148.230	148.571	148.366
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	150.933	151.264	151.265	151.279	151.272
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	149.699	150.549	155.995	153.943	157.630
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	117.609	115.131	105.474	108.003	106.721
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	141.444	140.755	140.546	141.148	141.281
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	115.387	111.974	107.895	111.564	110.369
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	151.478	151.769	152.601	152.634	151.631
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	150.933	151.264	151.265	151.279	151.272
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	140.647	137.026	138.221	142.352	139.799
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	88.568	82.821	75.015	80.507	78.873
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	136.226	136.180	136.374	137.276	136.993
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	128.616	128.461	127.263	127.824	127.841

See footnotes at end of table.

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

[November 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	July 2024	Aug. 2024 <sup>p</sup>	Sept. 2024 <sup>p</sup>	Oct. 2024 <sup>p</sup>	Nov. 2024 <sup>p</sup>
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	150.602	150.873	150.804	151.008	150.613
Total construction inputs to stage 1 intermediate demand.....	04/10	ID5	9117	150.933	151.264	151.265	151.279	151.272
Total foods inputs to stage 1 intermediate demand.....	04/10	ID5	9114	123.893	122.482	123.935	123.074	126.928
Total energy goods inputs to stage 1 intermediate demand.....	04/10	ID5	9115	129.990	129.527	122.885	124.387	122.861
Total goods less foods and energy inputs to stage 1 intermediate demand.....	04/10	ID5	9116	127.191	127.206	127.166	127.594	127.705

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

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

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

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

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

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

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

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

p Preliminary

“-” Data not available.