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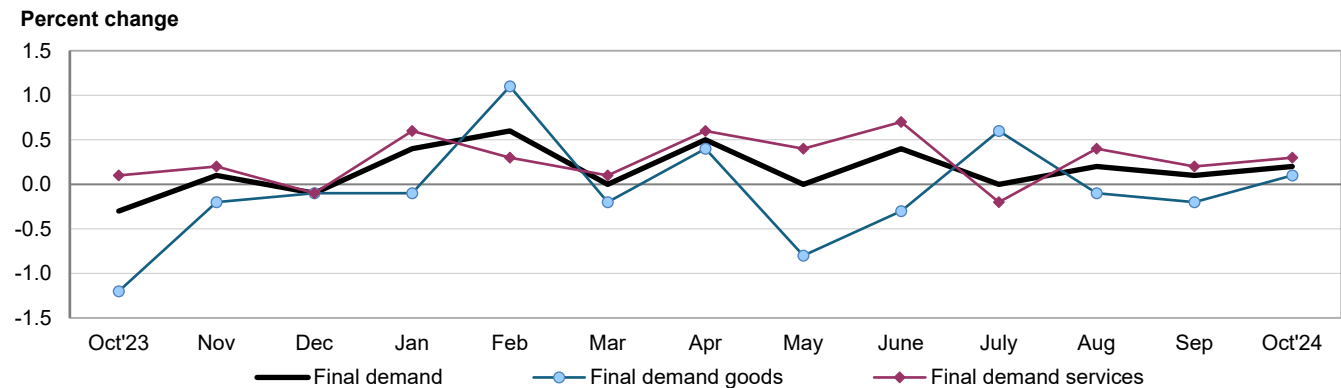
### PRODUCER PRICE INDEXES – OCTOBER 2024

The Producer Price Index for final demand increased 0.2 percent in October, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. Final demand prices advanced 0.1 percent in September and 0.2 percent in August. (See table A.) On an unadjusted basis, the index for final demand moved up 2.4 percent for the 12 months ended in October.

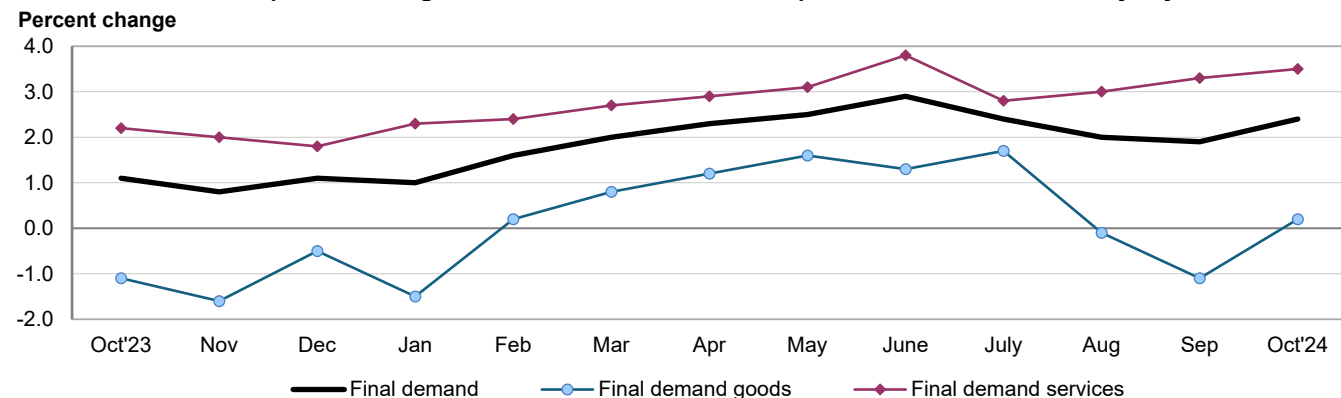
In October, most of the rise in final demand prices can be traced to a 0.3-percent advance in the index for final demand services. Prices for final demand goods inched up 0.1 percent.

The index for final demand less foods, energy, and trade services increased 0.3 percent in October after moving up 0.1 percent in September. For the 12 months ended in October, prices for final demand less foods, energy, and trade services rose 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 services:** The index for final demand services increased 0.3 percent in October after rising 0.2 percent in September. Over three-fourths of the broad-based advance in October is attributable to prices for final demand services less trade, transportation, and warehousing, which moved up 0.3 percent. The indexes for final demand transportation and warehousing services and for final demand trade services also increased, 0.5 percent and 0.1 percent, respectively. (Trade indexes measure changes in margins received by wholesalers and retailers.)

*Product detail:* Over one-third of the rise in the index for final demand services can be traced to prices for portfolio management, which advanced 3.6 percent. The indexes for machinery and vehicle wholesaling; airline passenger services; computer hardware, software, and supplies retailing; outpatient care (partial); and cable and satellite subscriber services also moved higher. In contrast, margins for apparel, footwear, and accessories retailing fell 3.7 percent. Prices for securities brokerage, dealing, investment advice, and related services and for truck transportation of freight also declined. (See table 2.)

**Final demand goods:** The index for final demand goods inched up 0.1 percent in October following two consecutive decreases. The advance can be traced to a 0.3-percent rise in prices for final demand goods less foods and energy. Conversely, the indexes for final demand energy and for final demand foods declined 0.3 percent and 0.2 percent, respectively.

*Product detail:* An 8.4-percent increase in the index for carbon steel scrap was a major factor in the advance in prices for final demand goods. The indexes for meats, diesel fuel, fresh and dry vegetables, and oilseeds also moved higher. In contrast, prices for liquefied petroleum gas fell 18.1 percent. The indexes for chicken eggs, processed poultry, and ethanol 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>												
Oct....	-0.3	0.1	-1.2	0.2	-6.4	0.1	0.1	0.0	0.5	0.1	1.1	2.8
Nov....	0.1	0.1	-0.2	0.7	-2.0	0.1	0.2	0.4	-0.2	0.1	0.8	2.5
Dec....	-0.1	0.3	-0.1	0.0	-0.8	0.1	-0.1	-1.2	-0.2	0.5	1.1	2.7
<b>2024</b>												
Jan... .	0.4	0.6	-0.1	-0.3	-1.1	0.3	0.6	0.1	-0.2	0.9	1.0	2.7
Feb....	0.6	0.4	1.1	1.0	3.9	0.3	0.3	0.3	1.2	0.3	1.6	2.8
Mar....	0.0	0.2	-0.2	0.3	-1.2	0.0	0.1	-0.4	0.2	0.3	2.0	2.9
Apr....	0.5	0.5	0.4	-0.8	1.8	0.3	0.6	0.5	-0.5	0.7	2.3	3.2
May... .	0.0	0.2	-0.8	-0.1	-4.6	0.2	0.4	0.8	-0.8	0.3	2.5	3.4
June <sup>1</sup> ..	0.4	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	-1.8	1.2	0.4	2.4	3.5
Aug. <sup>1</sup> ..	0.2	0.2	-0.1	0.2	-1.1	0.2	0.4	0.8	-0.9	0.3	2.0	3.5
Sept. <sup>1</sup> ..	0.1	0.1	-0.2	1.0	-2.8	0.1	0.2	0.3	0.0	0.1	1.9	3.3
Oct.....	0.2	0.3	0.1	-0.2	-0.3	0.3	0.3	0.1	0.5	0.3	2.4	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 June 2024 through September 2024 have been revised to reflect the availability of late reports and corrections by respondents.

## Intermediate Demand by Commodity Type

Within intermediate demand in October, prices for processed goods rose 0.5 percent, the index for unprocessed goods jumped 4.1 percent, and prices for services inched up 0.1 percent. (See tables B and C.)

**Processed goods for intermediate demand:** The index for processed goods for intermediate demand rose 0.5 percent in October following two consecutive declines. Sixty percent of the increase can be attributed to a 0.4-percent advance in prices for processed materials less foods and energy. The index for processed energy goods moved up 1.2 percent. Conversely, prices for processed foods and feeds edged down 0.1 percent. For the 12 months ended in October, the index for processed goods for intermediate demand fell 1.2 percent.

*Product detail:* A major factor in the October increase in prices for processed goods for intermediate demand was the index for primary basic organic chemicals, which advanced 5.3 percent. Prices for diesel fuel, commercial electric power, plastic resins and materials, nonferrous metals, and meats also moved higher. In contrast, the index for processed poultry declined 6.6 percent. Prices for liquefied petroleum gas and for ethanol also fell.

**Unprocessed goods for intermediate demand:** Prices for unprocessed goods for intermediate demand rose 4.1 percent in October, the largest advance since moving up 4.6 percent in August 2022. Over 80 percent of the broad-based increase in October can be attributed to a 9.9-percent jump in the index for unprocessed energy materials. Prices for unprocessed nonfood materials less energy and for unprocessed foodstuffs and feedstuffs also rose, 2.1 percent and 0.4 percent, respectively. For the 12 months ended in October, the index for unprocessed goods for intermediate demand declined 2.9 percent.

*Product detail:* Over 40 percent of the October increase in prices for unprocessed goods for intermediate demand can be traced to a 7.3-percent advance in the index for crude petroleum. Prices for natural gas, carbon steel scrap, slaughter cattle, slaughter poultry, and nonferrous metal ores also rose. Conversely, the index for hay and hayseeds dropped 22.8 percent. Prices for ungraded chicken eggs and for recyclable paper also fell.

**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>										
Oct.....	-1.0	-0.2	-4.3	-0.1	-4.6	-1.6	-2.1	-2.1	0.0	-14.8
Nov.....	-0.7	-0.5	-2.6	-0.3	-4.6	-2.1	-0.4	-5.3	0.7	-14.0
Dec.....	-0.4	0.1	-2.9	0.2	-2.8	-4.1	-3.3	-7.6	0.3	-18.7
<b>2024</b>										
Jan.....	-0.1	-1.7	-1.0	0.3	-3.7	1.6	-1.5	6.4	-1.3	-13.5
Feb.....	1.4	0.3	5.5	0.5	-2.0	-0.3	1.6	-1.1	-1.7	-9.3
Mar.....	-0.6	0.2	-1.0	-0.5	-1.8	-1.4	1.6	-5.4	0.5	-6.3
Apr.....	0.5	-0.3	1.8	0.3	-0.6	2.1	-0.6	6.0	0.5	-5.0
May.....	-1.4	0.4	-7.5	0.1	-0.6	0.0	2.8	-3.9	1.9	-0.1
June <sup>1</sup> ....	-0.1	0.7	-0.7	0.0	-0.2	0.6	-1.2	3.1	-0.5	1.7
July <sup>1</sup> .....	0.6	1.5	2.4	0.1	0.8	2.1	1.9	3.2	0.4	1.4
Aug. <sup>1</sup> ....	-0.2	-0.3	-0.9	0.0	-1.3	-3.4	-1.3	-6.7	-1.2	-3.9
Sept. <sup>1</sup> ....	-0.8	1.0	-4.5	-0.1	-2.6	-1.8	3.9	-10.1	1.8	-8.4
Oct.....	0.5	-0.1	1.2	0.4	-1.2	4.1	0.4	9.9	2.1	-2.9

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

**Services for intermediate demand:** Prices for services for intermediate demand moved up 0.1 percent in October, the same as in September. Leading the October advance, the index for services less trade, transportation, and warehousing for intermediate demand rose 0.1 percent. Prices for transportation and warehousing services for intermediate demand increased 0.4 percent. In contrast, the index for trade services for intermediate demand fell 0.4 percent. For the 12 months ended in October, prices for services for intermediate demand advanced 3.5 percent.

*Product detail:* Within the index for services for intermediate demand in October, prices for legal services rose 1.4 percent. The indexes for portfolio management, television advertising time sales, airline passenger services, and paper and plastics products wholesaling also moved higher. Conversely, margins for chemicals and allied products wholesaling fell 3.2 percent. The indexes for securities brokerage, dealing, investment advice, and related services; loan services (partial); and truck transportation of freight also decreased.

**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>					
Oct.....	0.0	1.5	0.4	-0.5	3.5
Nov.....	0.5	1.5	-0.2	0.4	3.2
Dec.....	0.5	-0.3	1.0	0.6	3.7
<b>2024</b>					
Jan.....	0.9	1.1	-0.1	1.0	3.6
Feb.....	0.0	-1.7	1.0	0.3	3.3
Mar.....	0.2	0.1	0.0	0.3	3.8
Apr.....	0.2	-0.4	0.4	0.4	3.4
May.....	0.3	0.6	0.5	0.2	3.5
June <sup>1</sup> ....	0.4	0.8	-0.3	0.5	4.0
July <sup>1</sup> .....	0.3	0.4	0.7	0.1	3.6
Aug. <sup>1</sup> ....	0.0	0.1	-0.2	0.0	3.7
Sept. <sup>1</sup> ....	0.1	0.0	0.1	0.1	3.5
Oct.....	0.1	-0.4	0.4	0.1	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 June 2024 through September 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 increased 0.2 percent in October after no change in September. In October, the index for total goods inputs to stage 4 intermediate demand advanced 0.3 percent, and prices for total services inputs moved up 0.1 percent. (See table D.) Increases in prices for diesel fuel, portfolio management, gross rents for office buildings, gross rents for retail properties, legal services, and commercial electric power outweighed decreases in the indexes for securities brokerage, dealing, investment advice, and related services; loan services (partial); and processed poultry. For the 12 months ended in October, prices for stage 4 intermediate demand rose 2.3 percent.

**Stage 3 intermediate demand:** Prices for stage 3 intermediate demand rose 0.5 percent in October following two consecutive declines. In October, the index for total goods inputs to stage 3 intermediate demand advanced 1.0 percent, and prices for total services inputs moved up 0.2 percent. Increases in the indexes for diesel fuel, slaughter poultry, plastic resins and materials, slaughter cattle, primary basic organic chemicals, and television advertising time sales outweighed falling prices for ungraded chicken eggs, loan services (partial), and hay and hayseeds. For the 12 months ended in October, the index for stage 3 intermediate demand moved up 1.2 percent.

**Stage 2 intermediate demand:** The index for stage 2 intermediate demand rose 1.5 percent in October, the largest increase since moving up 1.9 percent in July 2023. In October, prices for total goods inputs to stage 2 intermediate demand advanced 3.8 percent. In contrast, the index for total services inputs edged down 0.1 percent. Increasing prices for crude petroleum, natural gas, legal services, carbon steel scrap, broadcast and network television advertising time sales, and primary basic organic chemicals outweighed decreases in the indexes for loan services (partial), liquified petroleum gas, and fuels and lubricants retailing. For the 12 months ended in October, prices for stage 2 intermediate demand fell 0.4 percent.

**Stage 1 intermediate demand:** The index for stage 1 intermediate demand advanced 0.3 percent in October after declining 0.5 percent in September. In October, prices for total goods inputs to stage 1 intermediate demand rose 0.6 percent, while the index for total services inputs was unchanged. Increases in prices for diesel fuel, primary basic organic chemicals, airline passenger services, portfolio management, carbon steel scrap, and gross rents for office buildings outweighed decreases in the indexes for securities brokerage, dealing, investment advice, and related services; chemicals and allied products wholesaling; and residual fuels. For the 12 months ended in October, prices for stage 1 intermediate demand advanced 0.4 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>												
Oct.....	-0.3	-0.5	-0.2	-0.5	-1.7	0.4	-0.3	-1.1	0.4	-0.4	-0.8	-0.1
Nov.....	0.2	-0.3	0.5	-0.2	-1.1	0.6	-1.0	-2.5	0.2	-0.2	-0.9	0.6
Dec.....	0.2	0.0	0.4	-0.3	-1.6	0.7	-1.1	-3.4	0.5	-0.2	-0.7	0.3
<b>2024</b>												
Jan.....	0.6	-0.1	1.2	0.3	0.0	0.6	1.2	1.7	0.8	0.4	-0.2	1.0
Feb.....	0.1	0.5	-0.2	1.0	2.5	-0.2	0.1	-0.7	0.7	0.4	1.3	-0.5
Mar.....	0.1	-0.3	0.4	-0.1	-0.3	0.0	-0.9	-2.5	0.1	-0.3	-0.9	0.3
Apr.....	0.4	0.4	0.3	0.2	0.2	0.1	1.3	2.8	0.2	0.3	0.5	0.1
May.....	-0.1	-0.3	0.0	-0.3	-1.2	0.5	-0.2	-1.2	0.5	-0.7	-1.5	0.2
June <sup>1</sup> ....	0.1	-0.1	0.3	-0.1	-0.3	0.1	0.8	1.2	0.5	0.2	-0.2	0.5
July <sup>1</sup> .....	0.5	0.2	0.7	0.7	1.2	0.3	0.5	1.6	-0.2	0.6	0.7	0.5
Aug. <sup>1</sup> .....	0.0	-0.1	0.0	-0.4	-0.5	-0.3	-1.1	-3.0	0.1	0.0	-0.1	0.2
Sept. <sup>1</sup> ....	0.0	0.1	-0.1	-0.1	-0.5	0.2	-1.3	-3.7	0.3	-0.5	-0.9	0.0
Oct.....	0.2	0.3	0.1	0.5	1.0	0.2	1.5	3.8	-0.1	0.3	0.6	0.0

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

**The Producer Price Index for November 2024 is scheduled to be released on Thursday, December 12, 2024, at 8:30 a.m. (ET).**

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## Quality Changes for 2025 Model Vehicles

In accordance with usual practice, most new-model-year passenger cars and light motor trucks were introduced into the Producer Price Index (PPI) with the release of data for October 2024.

### Passenger Cars

The value of quality changes for a sample of 2025-model-year domestically produced passenger cars included in the PPI for October averaged \$76.36, according to estimates by the U.S. Bureau of Labor Statistics (BLS). This change represents 8.9 percent of the average \$857.71 increase in manufacturer invoice prices for 2025 models as compared with models from the prior year.

The retail equivalent value of these quality changes averaged \$81.74, representing 9.3 percent of the average \$880.18 over-the-year increase in manufacturer suggested list prices.

### Light Trucks

The value of quality changes for a sample of 2025-model-year domestically produced light trucks included in the PPI for October averaged \$96.79. This change represents 11.8 percent of the average \$817.22 increase in manufacturer invoice prices for 2025 models as compared with models from the prior year.

The retail equivalent value of these quality changes averaged \$102.41, representing 12.1 percent of the average \$845.72 over-the-year increase in manufacturer suggested list prices.

The \$102.41 estimated retail value of quality change breaks down as follows:

- \$6.95 for improvements to infotainment systems.
- \$41.98 for improvements to safety.
- \$53.48 for other changes, such as improvements to powertrains and changes in levels of standard or optional equipment.

For technical information regarding quality changes for 2025-model-year motor vehicles, contact Jonathan McQuade at [McQuade.Jonathan@bls.gov](mailto:McQuade.Jonathan@bls.gov) or (202) 691-7747. For general PPI 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.

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Estimates of the value of quality change are based on a review by the BLS of data supplied by producers for similarly equipped 2024 and 2025 domestic models priced for the PPI. Most of the estimates of quality changes in this release are derived from information supplied for the PPI for October. These data also form the basis of the new vehicle quality adjustment for the Consumer Price Index (CPI). However, it should be noted that, effective with the release of data for January 1999, changes made solely for the purpose of meeting air pollution standards are not considered quality improvements for CPI calculation purposes.

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## Resampling of Industries – October 2024

Effective with the release of data for October 2024, the Producer Price Index (PPI) includes data for 12 resampled industries classified according to the 2022 North American Industry Classification System (NAICS). The Bureau of Labor Statistics periodically updates the sample of producers providing data for the PPI to reflect current conditions more accurately when the structure, membership, technology, or product mix of an industry shifts. The first results of this systematic process were published in July 1986. Subsequent efforts have been completed at regular intervals.

For information on specific index additions, deletions, and recodes effective October 2024, see the current issue of the *PPI Detailed Report* online at [www.bls.gov/ppi/detailed-report/ppi-detailed-report-october-2024.pdf](http://www.bls.gov/ppi/detailed-report/ppi-detailed-report-october-2024.pdf), or contact the PPI Section of Index Analysis and Public Information at [ppi-info@bls.gov](mailto:ppi-info@bls.gov) or (202) 691-7705.

### NAICS

<i>Code</i>	<i>Industry</i>
311422	Specialty canning
311821	Cookie and cracker manufacturing
311824	Dry pasta, dough, and flour mixes manufacturing from purchased flour
321991	Manufactured home, mobile home, manufacturing
322220	Paper bag and coated and treated paper manufacturing
325998	Other miscellaneous chemical product manufacturing
327999	Miscellaneous nonmetallic mineral products manufacturing
331512	Steel investment foundries
335931	Current-carrying wiring device manufacturing
445200	Specialty food retailers
523150	Investment banking and securities intermediation
523940	Portfolio Management and investment advice

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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 [October 2024]**

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Oct. 2023 to Oct. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			May to June	June to July <sup>P</sup>	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	100.000	2.4	0.4	0.0	0.2	0.1	0.2
Final demand goods.....	FD	41	30.162	0.2	-0.3	0.6	-0.1	-0.2	0.1
Final demand foods.....	FD	411	5.633	2.7	0.1	0.6	0.2	1.0	-0.2
Finished consumer foods <sup>3</sup> .....	FD	4111	4.307	4.0	0.4	0.6	0.8	0.8	-0.5
Finished consumer foods, crude.....	FD	41113	0.351	21.8	4.9	-2.6	12.0	-0.8	-5.1
Finished consumer foods, processed.....	FD	41112	3.956	2.6	0.0	0.9	-0.2	1.0	0.0
Government purchased foods.....	FD	4112	0.410	3.6	0.5	1.9	-0.7	1.0	0.8
Foods for export.....	FD	4113	0.916	-4.2	-1.3	0.1	-1.9	1.6	1.0
Final demand energy.....	FD	412	5.517	-8.6	-2.0	1.7	-1.1	-2.8	-0.3
Finished consumer energy goods <sup>3</sup> .....	FD	4121	4.292	-6.3	-2.1	1.2	-0.6	-2.0	-0.7
Government purchased energy.....	FD	4122	0.834	-15.2	-1.7	3.7	-2.6	-5.7	1.6
Energy for export.....	FD	4123	0.391	-18.3	-1.8	3.7	-3.2	-5.8	0.1
Final demand goods less foods and energy.....	FD	413	19.012	2.2	0.1	0.2	0.2	0.1	0.3
Finished goods less foods and energy <sup>3</sup> .....	FD	4131	10.933	2.4	0.1	0.1	0.3	0.2	0.1
Finished consumer goods less foods and energy.....	FD	41311	5.811	2.3	0.1	0.1	0.4	0.2	0.1
Nondurable consumer goods less foods and energy.....	FD	413111	3.522	2.8	0.1	0.1	0.6	0.2	0.1
Durable consumer goods.....	FD	413112	2.289	1.5	0.1	0.1	0.1	0.2	0.1
Private capital equipment.....	FD	41312	5.122	2.6	0.2	0.1	0.2	0.2	0.2
Private capital equipment for manufacturing industries.....	FD	413121	1.254	3.8	0.2	0.2	0.3	0.1	0.3
Private capital equipment for nonmanufacturing industries.....	FD	413122	3.868	2.3	0.2	0.1	0.2	0.2	0.1
Government purchased goods, excluding foods and energy.....	FD	4132	1.971	2.1	0.1	0.3	0.1	0.2	0.1
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.146	1.8	0.0	0.4	0.2	0.2	0.0
Government purchased capital equipment.....	FD	41322	0.825	2.5	0.1	0.1	0.1	0.2	0.1
Goods for export, excluding foods and energy.....	FD	4133	6.108	1.9	0.0	0.3	-0.1	0.0	0.6
Final demand services.....	FD	42	67.184	3.5	0.7	-0.2	0.4	0.2	0.3
Final demand trade services <sup>4</sup> .....	FD	423	19.195	1.8	1.9	-1.8	0.8	0.3	0.1
Trade of finished goods <sup>3</sup> .....	FD	4231	16.558	1.5	1.9	-1.9	0.7	0.5	0.0
Trade of personal consumption goods.....	FD	42311	13.605	0.8	1.5	-1.6	0.2	0.7	-0.3
Trade of private capital equipment.....	FD	42312	2.953	4.8	3.6	-3.4	3.1	-0.6	1.4
Trade of government purchased goods.....	FD	4232	0.745	4.2	3.0	-1.8	1.0	-0.3	0.6
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.474	2.0	2.1	0.0	-0.6	-0.2	0.1
Trade of government purchased capital equipment.....	FD	42322	0.271	7.9	4.5	-4.8	3.7	-0.5	1.4
Trade of exports.....	FD	4233	1.892	3.7	1.7	-1.0	1.2	-0.5	0.2
Final demand transportation and warehousing services.....	FD	422	4.931	0.1	-0.1	1.2	-0.9	0.0	0.5
Transportation of passengers for final demand.....	FD	4221	1.271	2.2	0.2	0.2	-1.0	1.1	3.2
Transportation of private passengers.....	FD	42211	0.857	2.2	0.2	0.2	-1.0	1.1	3.2
Transportation of government passengers.....	FD	42212	0.103	2.2	0.2	0.2	-1.0	1.1	3.1
Transportation of passengers for export.....	FD	42213	0.311	2.2	0.2	0.2	-1.0	1.1	3.2
Transportation and warehousing of goods for final demand.....	FD	4222	3.660	-0.6	-0.2	1.5	-0.9	-0.4	-0.4
Transportation and warehousing of finished goods <sup>3</sup> .....	FD	42221	2.368	-0.8	-0.2	1.6	-0.9	-0.4	-0.5
Transportation and warehousing of personal consumption goods.....	FD	422211	1.908	-0.7	-0.2	1.5	-0.8	-0.4	-0.4
Transportation and warehousing of private capital equipment.....	FD	422212	0.460	-1.5	-0.2	1.7	-1.2	-0.5	-0.6
Transportation and warehousing of government purchased goods.....	FD	42222	0.220	0.1	-0.3	1.2	-0.5	-0.3	-0.3
Transportation and warehousing of exports.....	FD	42223	1.072	-0.1	-0.1	1.3	-0.9	-0.2	-0.3
Final demand services less trade, transportation, and warehousing.....	FD	421	43.059	4.6	0.3	0.4	0.3	0.1	0.3
Finished services less trade, transportation, and warehousing <sup>3</sup> .....	FD	4211	37.528	4.4	0.2	0.3	0.4	0.2	0.3
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	33.067	4.5	0.2	0.3	0.4	0.1	0.3
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	4.461	3.7	0.5	1.0	-0.1	0.4	0.2
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.810	5.0	0.4	0.4	0.1	0.1	0.5
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.647	5.0	0.4	0.3	0.1	0.1	0.5
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.163	5.7	1.1	2.3	-0.7	0.5	0.6
Services for export less trade, transportation, and warehousing.....	FD	4213	2.721	6.8	1.1	0.6	0.1	0.0	0.2
Final demand construction.....	FD	43	2.654	1.4	0.3	0.7	0.0	0.1	-0.2
Construction for private capital investment.....	FD	431	1.844	1.1	0.4	0.6	0.0	0.1	-0.2
Construction for government.....	FD	432	0.810	2.0	0.2	1.1	0.0	0.1	0.0
<b>Special Groupings of Final Demand</b>									
Final demand less exports.....	FD	49101	86.589	2.5	0.4	0.0	0.3	0.1	0.2
Final demand less government.....	FD	49102	92.097	2.5	0.4	0.0	0.3	0.1	0.2

See footnotes at end of table.



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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Oct. 2023 to Oct. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			May to June	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>5</sup> .....	FD	49103	88.421	3.1	0.6	-0.1	0.4	0.2	0.3
Final demand less foods and energy <sup>5</sup> .....	FD	49104	88.850	3.1	0.6	-0.1	0.3	0.2	0.3
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>5</sup> .....	FD	49105	93.938	2.3	0.4	0.0	0.3	0.0	0.2
Final demand less foods <sup>5</sup> .....	FD	49106	94.367	2.4	0.4	0.0	0.2	0.0	0.2
Final demand less energy.....	FD	49107	94.483	3.1	0.5	-0.1	0.3	0.2	0.2
Final demand less trade services.....	FD	49108	80.805	2.5	0.0	0.5	0.1	0.0	0.2
Final demand less distributive services <sup>6</sup> .....	FD	49109	77.145	2.7	0.1	0.4	0.2	0.0	0.3
Final demand goods less energy.....	FD	49111	24.645	2.3	0.1	0.3	0.2	0.3	0.2
Final demand goods less foods.....	FD	49112	24.529	-0.4	-0.4	0.5	-0.1	-0.5	0.1
Final demand services less trade services.....	FD	49113	47.990	4.1	0.2	0.4	0.2	0.1	0.3
Final demand distributive services <sup>6</sup> .....	FD	49114	22.855	1.4	1.6	-1.3	0.5	0.2	0.0
Final demand goods plus final demand distributive services <sup>6</sup> .....	FD	49115	53.017	0.7	0.5	-0.3	0.2	0.0	0.0
Final demand less foods, energy, and trade services <sup>5</sup> .....	FD	49116	69.655	3.5	0.2	0.4	0.2	0.1	0.3
Private and government purchased capital equipment.....	FD	49117	5.947	2.6	0.2	0.1	0.2	0.2	0.1
Private and government purchased capital investment services.....	FD	49118	8.308	4.0	1.7	-0.8	1.1	0.0	0.7
Total private and government purchased capital investment.....	FD	49119	14.255	3.1	0.9	-0.2	0.6	0.1	0.4
Total finished <sup>3</sup> .....	FD	49201	78.687	2.6	0.4	-0.1	0.4	0.1	0.1
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>3, 5</sup> .....	FD	49202	69.663	3.1	0.6	-0.2	0.4	0.2	0.2
Total finished less foods and energy <sup>3, 5</sup> .....	FD	49203	70.088	3.1	0.6	-0.2	0.4	0.2	0.2
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>3, 5</sup> .....	FD	49204	73.955	2.5	0.4	-0.1	0.3	0.1	0.2
Total finished less foods <sup>3, 5</sup> .....	FD	49205	74.380	2.5	0.4	-0.1	0.3	0.1	0.2
Total finished less energy <sup>3</sup> .....	FD	49206	74.395	3.2	0.6	-0.1	0.4	0.3	0.2
Finished goods <sup>3</sup> .....	FD	49207	19.532	0.7	-0.3	0.5	0.2	-0.1	-0.2
Finished goods less energy <sup>3</sup> .....	FD	49208	15.240	2.9	0.2	0.3	0.4	0.4	-0.1
Finished goods, excluding foods <sup>3, 5</sup> .....	FD	49209	15.225	-0.2	-0.5	0.4	0.0	-0.4	-0.1
Finished services <sup>3</sup> .....	FD	49210	57.311	3.3	0.7	-0.3	0.4	0.2	0.3
Private capital investment services.....	FD	49211	7.874	3.8	1.6	-0.7	1.0	0.0	0.6
Finished distributive services <sup>3, 6</sup> .....	FD	49212	18.926	1.2	1.6	-1.5	0.5	0.4	0.0
Finished services less trade services <sup>3</sup> .....	FD	49213	40.753	4.0	0.2	0.4	0.3	0.1	0.3
Finished services less distributive services <sup>3, 6</sup> .....	FD	49214	38.385	4.4	0.2	0.3	0.4	0.2	0.4
Total private capital investment (goods, services, and construction).....	FD	49215	14.840	3.1	1.0	-0.2	0.6	0.1	0.4
Finished goods plus finished distributive services <sup>3, 6</sup> .....	FD	49216	38.458	1.0	0.6	-0.5	0.4	0.1	-0.1
Total exports.....	FD	49301	13.411	1.9	0.3	0.3	-0.2	-0.1	0.4
Goods for export.....	FD	49302	7.415	-0.1	-0.2	0.4	-0.5	-0.1	0.6
Services for export.....	FD	49303	5.996	4.4	1.0	0.2	0.2	-0.1	0.2
Total government purchases.....	FD	49401	7.903	1.3	0.3	0.6	-0.2	-0.5	0.5
Government purchased goods.....	FD	49402	3.215	-2.6	-0.3	1.3	-0.7	-1.2	0.5
Government purchased services.....	FD	49403	3.878	4.5	0.9	0.0	0.2	0.0	0.5
Total government purchased capital investment (goods, services, construction).....	FD	49404	2.069	3.3	0.8	0.0	0.5	0.1	0.3
Government purchases, defense.....	FD	49405	2.356	-0.1	0.2	0.4	-0.6	-0.5	0.5
Government purchases, non-defense.....	FD	49406	5.547	1.9	0.4	0.7	0.0	-0.4	0.5
Personal consumption.....	FD	49501	63.847	2.5	0.3	0.0	0.3	0.2	0.1
Personal consumption goods (finished consumer goods).....	FD	49502	14.410	0.1	-0.5	0.6	0.2	-0.3	-0.3
Personal consumption goods less energy.....	FD	49503	10.118	3.0	0.2	0.3	0.6	0.5	-0.2
Personal consumption goods less foods.....	FD	49504	10.103	-1.6	-0.8	0.6	0.0	-0.7	-0.3
Personal consumption nondurable goods less foods.....	FD	49508	7.814	-2.4	-1.1	0.7	-0.1	-1.0	-0.3
Personal consumption services.....	FD	49505	49.437	3.2	0.5	-0.2	0.3	0.3	0.2
Personal consumption less trade services.....	FD	49506	50.242	3.0	0.0	0.4	0.3	0.0	0.2
Personal consumption less distributive services <sup>6</sup> .....	FD	49507	48.334	3.1	0.0	0.4	0.3	0.0	0.2
Personal consumption less foods and energy.....	FD	49510	55.248	3.1	0.5	-0.2	0.3	0.3	0.2
Personal consumption less foods, energy, and trade services <sup>4</sup> .....	FD	49511	41.643	3.9	0.1	0.3	0.4	0.1	0.3
Personal consumption less foods, energy, and distributive services <sup>6</sup> .....	FD	49512	39.735	4.1	0.2	0.2	0.4	0.1	0.4
Personal consumption goods plus personal consumption distributive services <sup>6</sup> .....	FD	49509	29.923	0.3	0.4	-0.4	0.1	0.2	-0.3
<b>Intermediate Demand by Commodity Type</b>									
<b>Processed goods</b>									
Processed goods for intermediate demand.....	ID6	1	100.000	-1.2	-0.1	0.6	-0.2	-0.8	0.5
Materials and components for manufacturing.....	ID6	11	43.169	1.1	0.1	0.2	-0.2	-0.1	0.5
Materials for manufacturing.....	ID6	111	26.499	0.9	0.0	0.4	-0.4	-0.1	0.8
Materials for food manufacturing.....	ID6	1111	4.375	3.9	0.8	1.6	0.0	1.1	-0.5
Materials for nondurable manufacturing.....	ID6	1112	11.774	1.3	0.0	1.5	0.1	-0.6	1.1
Materials for durable manufacturing.....	ID6	1113	10.350	-0.9	-0.2	-1.5	-1.1	-0.2	1.1
Components for manufacturing.....	ID6	112	16.670	1.5	0.1	0.0	0.2	0.0	0.0

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Oct. 2023 to Oct. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			May to June	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>
Components for nondurable manufacturing.....	ID6	1121	0.804	2.3	0.1	0.1	0.5	-0.1	0.1
Components for durable manufacturing.....	ID6	1122	15.866	1.4	0.1	0.0	0.2	0.0	0.0
Materials and components for construction.....	ID6	12	10.782	1.0	-0.2	-0.2	0.2	0.0	0.3
Materials for construction.....	ID6	121	4.753	1.8	-0.1	-0.4	0.0	0.2	0.7
Components for construction.....	ID6	122	6.029	0.3	-0.2	0.0	0.4	-0.1	0.1
Processed fuels and lubricants for intermediate demand.....	ID6	13	18.656	-10.4	-0.7	2.4	-0.9	-4.5	1.2
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.711	-8.0	0.6	1.0	-0.3	-3.0	2.1
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	13.945	-11.2	-1.2	2.9	-1.1	-5.0	1.0
Containers for intermediate demand.....	ID6	14	3.090	2.4	0.1	0.5	0.6	0.4	0.6
Supplies for intermediate demand.....	ID6	15	24.303	0.9	0.1	0.3	0.1	0.3	0.1
Supplies to manufacturing industries.....	ID6	151	3.234	2.2	0.2	0.0	0.1	0.2	0.1
Supplies to nonmanufacturing industries.....	ID6	152	21.069	0.7	0.1	0.3	0.1	0.3	0.1
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	2.208	-6.9	0.6	1.4	-0.9	0.4	0.7
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	18.861	1.6	0.1	0.2	0.2	0.3	0.1
<b>Unprocessed goods</b>									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	-2.9	0.6	2.1	-3.4	-1.8	4.1
Unprocessed foodstuffs and feedstuffs.....	ID6	21	37.665	4.1	-1.2	1.9	-1.3	3.9	0.4
Unprocessed nonfood materials.....	ID6	22	62.334	-7.0	1.7	2.1	-4.7	-5.4	6.7
Unprocessed nonfood materials except fuel.....	ID6	221	51.132	-8.2	-0.4	2.1	-3.1	-6.6	4.6
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	48.525	-8.9	-0.4	2.2	-3.2	-7.0	4.9
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	2.607	7.1	0.0	0.9	0.7	0.4	0.4
Unprocessed fuel.....	ID6	222	11.202	-0.5	15.3	2.2	-13.6	2.7	18.1
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.016	0.7	0.8	0.5	-2.9	-0.5	3.4
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	10.186	-0.7	17.3	2.4	-14.9	3.1	20.0
<b>Services</b>									
Services for intermediate demand.....	ID6	3	100.000	3.5	0.4	0.3	0.0	0.1	0.1
Trade services for intermediate demand <sup>6</sup> .....	ID6	33	18.284	1.7	0.8	0.4	0.1	0.0	-0.4
Trade services for manufacturing industries.....	ID6	331	9.046	1.7	-0.2	1.0	0.0	-0.1	-0.4
Trade services for nonmanufacturing industries.....	ID6	332	9.238	1.7	1.7	-0.1	0.2	0.2	-0.4
Transportation and warehousing services for intermediate demand.....	ID6	32	14.025	3.3	-0.3	0.7	-0.2	0.1	0.4
Transportation of passengers for intermediate demand.....	ID6	321	1.039	2.2	0.2	0.2	-1.0	1.1	3.1
Transportation of passengers for manufacturing industries.....	ID6	3211	0.124	2.2	0.2	0.2	-1.0	1.1	3.2
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.915	2.2	0.2	0.2	-1.0	1.0	3.1
Transportation and warehousing of goods for intermediate demand.....	ID6	322	12.986	3.4	-0.3	0.7	-0.2	0.0	0.2
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.724	-0.1	0.0	1.0	-0.8	-0.2	-0.2
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	10.262	4.3	-0.4	0.6	0.0	0.1	0.3
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	67.691	4.1	0.5	0.1	0.0	0.1	0.1
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.126	4.5	0.3	0.2	0.3	0.2	0.2
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	65.565	4.1	0.5	0.1	0.0	0.1	0.1
<b>Construction</b>									
Construction for intermediate demand.....	ID6	4	100.000	4.5	0.1	0.2	0.2	0.0	0.0
<b>Special Groupings of Intermediate Demand by Commodity Type</b>									
Processed materials less foods and feeds.....	ID6	9111	91.107	-1.5	-0.2	0.5	-0.2	-1.0	0.6
Processed foods and feeds.....	ID6	9112	8.893	1.2	0.7	1.5	-0.3	1.0	-0.1
Processed energy goods.....	ID6	9113	18.656	-10.4	-0.7	2.4	-0.9	-4.5	1.2
Processed materials less energy.....	ID6	9118	81.344	1.1	0.1	0.2	0.0	0.0	0.4
Processed materials less foods and energy.....	ID6	9115	72.451	1.1	0.0	0.1	0.0	-0.1	0.4
Intermediate distributive services <sup>7</sup> .....	ID6	9116	31.270	2.4	0.3	0.5	0.0	0.0	-0.1
Processed goods plus intermediate distributive services.....	ID6	9117	-	-0.1	0.0	0.6	-0.1	-0.5	0.3
Unprocessed materials less agricultural products.....	ID6	9211	57.180	-6.3	1.9	2.7	-4.9	-6.1	7.3
Unprocessed energy materials <sup>8</sup> .....	ID6	9212	37.534	-13.0	3.1	3.2	-6.7	-10.1	9.9
Unprocessed materials less energy.....	ID6	9213	62.466	4.0	-0.9	1.3	-1.2	3.1	1.1
Unprocessed nonfood materials less energy <sup>9</sup> .....	ID6	9216	24.801	3.7	-0.5	0.4	-1.2	1.8	2.1
<b>Intermediate Demand by Production Flow</b>									
<b>Stage 4 Intermediate Demand</b>									
Stage 4 intermediate demand.....	ID5	4	100.000	2.3	0.1	0.5	0.0	0.0	0.2
Inputs to stage 4 goods producers.....	ID5	41	29.667	0.9	-0.3	0.5	-0.1	0.2	0.0
Goods.....	ID5	411	21.624	0.3	-0.1	0.1	-0.1	0.4	0.0

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Oct. 2023 to Oct. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			May to June	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>
Foods.....	ID5	4111	2.954	-1.2	-0.3	0.6	-0.7	1.7	-0.1
Energy.....	ID5	4112	0.170	-18.3	0.2	-2.6	1.5	2.7	-1.6
Goods excluding foods and energy.....	ID5	4113	18.500	0.7	0.0	0.0	-0.1	0.2	0.0
Services.....	ID5	412	8.043	2.6	-0.8	1.5	0.1	-0.4	-0.1
Trade services.....	ID5	4123	6.035	2.6	-1.2	2.1	0.1	-0.6	-0.2
Transportation and warehousing services.....	ID5	4122	4.092	0.6	0.0	0.8	-0.6	0.1	0.3
Transportation of passengers.....	ID5	41221	0.076	2.2	0.2	0.2	-1.0	1.1	3.2
Transportation and warehousing of goods.....	ID5	41222	0.416	0.3	-0.1	1.0	-0.5	-0.1	-0.2
Services less trade, transportation, and warehousing.....	ID5	4121	1.516	3.4	0.4	-0.4	0.1	0.1	0.3
Inputs to stage 4 services producers.....	ID5	42	55.647	3.6	0.4	0.5	0.0	-0.1	0.3
Goods.....	ID5	421	13.690	0.7	0.1	0.3	-0.2	0.0	0.5
Foods.....	ID5	4211	2.275	2.5	-0.4	1.5	-0.9	2.1	0.1
Energy.....	ID5	4212	4.008	-1.9	0.5	0.1	-0.7	-1.4	1.4
Goods excluding foods and energy.....	ID5	4213	7.407	1.7	0.0	0.1	0.2	0.2	0.0
Services.....	ID5	422	41.904	4.5	0.4	0.6	0.1	-0.1	0.2
Trade services.....	ID5	4223	4.118	2.0	0.4	0.8	-0.1	-0.3	-0.3
Transportation and warehousing services.....	ID5	4222	3.751	4.2	-0.7	0.4	0.6	0.1	0.7
Transportation of passengers.....	ID5	42221	0.484	2.2	0.2	0.2	-1.0	1.1	3.2
Transportation and warehousing of goods.....	ID5	42222	3.267	4.4	-0.8	0.5	0.9	0.0	0.4
Services less trade, transportation, and warehousing.....	ID5	4221	34.035	4.8	0.6	0.6	0.0	-0.1	0.2
Construction.....	ID5	423	0.053	4.5	0.1	0.2	0.2	0.0	0.0
Inputs to stage 4 construction producers.....	ID5	43	14.686	0.0	-0.2	0.2	0.2	-0.3	0.3
Goods.....	ID5	431	10.699	-0.1	-0.5	0.1	0.2	-0.4	0.5
Energy.....	ID5	4312	0.763	-15.1	-3.9	3.3	0.3	-7.1	1.1
Goods excluding foods and energy.....	ID5	4313	9.936	1.3	-0.2	-0.2	0.2	0.1	0.5
Services.....	ID5	432	3.987	0.5	0.6	0.4	-0.1	0.2	-0.1
Trade services.....	ID5	4323	1.737	-0.1	1.1	0.4	0.1	0.4	-0.1
Transportation and warehousing services.....	ID5	4322	0.661	-1.3	-0.2	1.6	-1.2	-0.4	-0.5
Transportation of passengers.....	ID5	43221	0.015	2.2	0.2	0.2	-1.0	1.1	3.2
Transportation and warehousing of goods.....	ID5	43222	0.646	-1.4	-0.2	1.6	-1.2	-0.4	-0.5
Services less trade, transportation, and warehousing.....	ID5	4321	1.589	1.9	0.3	-0.1	0.2	0.2	0.0
<b>Stage 3 Intermediate Demand</b>									
Stage 3 intermediate demand.....	ID5	3	100.000	1.2	-0.1	0.7	-0.4	-0.1	0.5
Inputs to stage 3 goods producers.....	ID5	31	43.622	2.1	0.0	0.6	-0.2	0.7	0.5
Goods.....	ID5	311	33.726	2.5	0.0	0.7	-0.2	0.8	0.8
Foods.....	ID5	3111	10.039	8.8	0.7	2.4	0.6	3.7	0.7
Energy.....	ID5	3112	1.161	-17.3	-0.9	0.0	-0.5	-6.1	2.2
Goods excluding foods and energy.....	ID5	3113	22.526	0.8	-0.4	-0.1	-0.6	-0.2	0.8
Services.....	ID5	312	9.896	0.5	0.1	0.5	-0.3	0.3	-0.3
Trade services.....	ID5	3123	5.529	0.5	0.1	0.2	0.1	0.6	-0.4
Transportation and warehousing services.....	ID5	3122	2.903	-0.3	-0.1	1.4	-1.0	-0.3	-0.2
Transportation of passengers.....	ID5	31221	0.148	2.2	0.2	0.2	-1.0	1.1	3.2
Transportation and warehousing of goods.....	ID5	31222	2.755	-0.4	-0.1	1.4	-1.0	-0.3	-0.4
Services less trade, transportation, and warehousing.....	ID5	3121	1.464	2.1	0.1	-0.1	-0.1	0.3	0.0
Inputs to stage 3 services producers.....	ID5	32	55.201	0.6	-0.1	0.8	-0.5	-0.7	0.5
Goods.....	ID5	321	9.933	-11.2	-1.3	3.4	-1.4	-5.1	1.8
Foods.....	ID5	3211	0.089	-2.9	-0.2	0.9	-0.7	-0.9	-0.2
Energy.....	ID5	3212	5.844	-19.2	-2.3	6.1	-2.4	-8.8	2.9
Goods excluding foods and energy.....	ID5	3213	4.000	2.1	0.0	-0.1	0.1	0.0	0.4
Services.....	ID5	322	44.663	3.5	0.1	0.3	-0.3	0.2	0.3
Trade services.....	ID5	3223	2.808	1.2	3.7	-1.0	-0.9	0.4	0.3
Transportation and warehousing services.....	ID5	3222	10.562	5.8	-0.4	0.8	0.0	0.3	0.5
Transportation of passengers.....	ID5	32221	0.021	0.1	-0.1	0.0	0.0	0.1	0.2
Transportation and warehousing of goods.....	ID5	32222	10.541	5.8	-0.4	0.8	0.0	0.3	0.5
Services less trade, transportation, and warehousing.....	ID5	3221	31.293	2.9	0.0	0.2	-0.3	0.2	0.2
Construction.....	ID5	323	0.605	4.5	0.1	0.2	0.2	0.0	0.0
Inputs to stage 3 construction producers.....	ID5	33	1.176	0.7	0.4	0.0	0.4	0.4	-0.5
Goods.....	ID5	331	0.571	1.4	-0.2	-0.5	-0.2	0.5	0.0
Goods excluding foods and energy.....	ID5	3313	0.571	1.4	-0.2	-0.5	-0.2	0.5	0.0
Services.....	ID5	332	0.605	0.0	1.0	0.4	1.0	0.4	-1.0
Trade services.....	ID5	3323	0.558	-0.1	1.1	0.4	1.1	0.4	-1.1
Transportation and warehousing services.....	ID5	3322	0.016	2.2	0.4	0.4	-0.2	0.3	0.3
Transportation and warehousing of goods.....	ID5	33222	0.016	2.2	0.4	0.4	-0.2	0.3	0.3
Services less trade, transportation, and warehousing.....	ID5	3321	0.031	1.4	0.1	-0.1	-0.1	0.1	0.1
<b>Stage 2 Intermediate Demand</b>									

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Oct. 2023 to Oct. 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			May to June	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>	Sept. to Oct. <sup>P</sup>
Stage 2 intermediate demand.....	ID5	2	100.000	-0.4	0.8	0.5	-1.1	-1.3	1.5
Inputs to stage 2 goods producers.....	ID5	21	50.583	-4.0	1.2	1.1	-2.5	-2.8	3.0
Goods.....	ID5	211	35.955	-6.7	1.4	1.7	-3.4	-4.2	4.4
Foods.....	ID5	2111	4.053	-10.3	-0.5	0.0	-2.6	0.9	2.6
Energy.....	ID5	2112	16.236	-13.8	2.9	2.9	-6.6	-9.6	8.3
Goods excluding foods and energy.....	ID5	2113	15.666	2.7	0.3	0.8	-0.1	0.2	1.2
Services.....	ID5	212	14.340	2.9	0.7	-0.4	-0.2	0.3	-0.1
Trade services.....	ID5	2123	5.608	3.7	1.4	-0.7	-0.3	0.3	-0.4
Transportation and warehousing services.....	ID5	2122	4.804	1.8	0.1	-0.2	-0.4	0.2	0.4
Transportation of passengers.....	ID5	21221	0.178	2.1	0.2	0.2	-0.9	1.0	3.0
Transportation and warehousing of goods.....	ID5	21222	4.626	1.8	0.1	-0.2	-0.4	0.2	0.3
Services less trade, transportation, and warehousing.....	ID5	2121	3.928	3.1	0.2	-0.1	0.1	0.6	-0.1
Construction.....	ID5	213	0.288	4.5	0.1	0.2	0.2	0.0	0.0
Inputs to stage 2 services producers.....	ID5	22	49.417	3.5	0.4	0.0	0.2	0.2	0.0
Goods.....	ID5	221	5.237	-0.5	0.0	0.6	0.2	-0.4	0.2
Foods.....	ID5	2211	0.050	3.0	0.7	0.7	0.6	0.6	1.3
Energy.....	ID5	2212	0.321	-13.0	-0.9	4.5	-1.2	-6.3	0.7
Goods excluding foods and energy.....	ID5	2213	4.866	0.4	0.0	0.3	0.2	0.0	0.1
Services.....	ID5	222	43.217	4.0	0.4	-0.1	0.3	0.3	-0.1
Trade services.....	ID5	2223	2.365	2.5	2.9	-1.0	3.8	0.2	-1.8
Transportation and warehousing services.....	ID5	2222	2.944	6.3	-0.3	0.4	-2.5	0.1	0.8
Transportation of passengers.....	ID5	22221	0.414	2.2	0.2	0.2	-1.0	1.1	3.2
Transportation and warehousing of goods.....	ID5	22222	2.530	7.1	-0.3	0.4	-2.7	-0.1	0.5
Services less trade, transportation, and warehousing.....	ID5	2221	37.908	3.9	0.3	-0.1	0.3	0.3	0.0
Construction.....	ID5	223	0.963	4.5	0.1	0.2	0.2	0.0	0.0
<b>Stage 1 Intermediate Demand</b>									
Stage 1 intermediate demand.....	ID5	1	100.000	0.4	0.2	0.6	0.0	-0.5	0.3
Inputs to stage 1 goods producers.....	ID5	11	32.332	-1.7	0.0	0.3	-0.3	-0.1	0.2
Goods.....	ID5	111	23.262	-3.2	-0.1	0.3	-0.6	-0.2	0.4
Foods.....	ID5	1111	2.768	-9.0	-0.5	-1.3	-1.7	1.4	-0.3
Energy.....	ID5	1112	3.428	-11.2	0.5	1.1	-1.0	-1.7	-0.4
Goods excluding foods and energy.....	ID5	1113	17.066	-0.5	-0.2	0.4	-0.4	-0.1	0.7
Services.....	ID5	112	9.069	2.1	0.2	0.4	0.4	0.3	-0.3
Trade services.....	ID5	1123	5.496	0.3	0.2	0.4	0.4	0.2	-0.8
Transportation and warehousing services.....	ID5	1122	0.607	2.8	0.8	0.0	-0.6	0.3	1.4
Transportation of passengers.....	ID5	11221	0.104	2.2	0.2	0.2	-1.0	1.1	3.2
Transportation and warehousing of goods.....	ID5	11222	0.503	2.9	0.9	0.0	-0.5	0.2	1.0
Services less trade, transportation, and warehousing.....	ID5	1121	2.966	5.4	0.2	0.4	0.5	0.4	0.3
Construction.....	ID5	113	0.001	4.5	0.1	0.2	0.2	0.0	0.0
Inputs to stage 1 services producers.....	ID5	12	54.779	1.9	0.4	0.7	0.2	-0.6	0.3
Goods.....	ID5	121	16.052	-2.5	-0.2	1.3	0.3	-2.0	0.7
Foods.....	ID5	1211	0.064	13.1	7.5	5.1	16.6	-4.2	-13.4
Energy.....	ID5	1212	4.999	-10.8	-0.9	3.8	-0.1	-6.3	2.5
Goods excluding foods and energy.....	ID5	1213	10.989	1.6	0.0	0.1	0.4	0.1	0.1
Services.....	ID5	122	38.724	3.8	0.6	0.5	0.1	-0.1	0.1
Trade services.....	ID5	1223	3.825	1.5	2.0	0.3	-0.2	0.2	0.0
Transportation and warehousing services.....	ID5	1222	4.432	3.6	-0.1	0.5	0.7	0.3	1.1
Transportation of passengers.....	ID5	12221	1.355	2.2	0.2	0.2	-1.0	1.1	3.2
Transportation and warehousing of goods.....	ID5	12222	3.077	4.2	-0.2	0.7	1.4	0.0	0.3
Services less trade, transportation, and warehousing.....	ID5	1221	30.467	4.1	0.5	0.5	0.1	-0.2	0.0
Construction.....	ID5	123	0.003	4.5	0.1	0.2	0.2	0.0	0.0
Inputs to stage 1 construction producers.....	ID5	13	12.891	-0.4	-0.1	0.7	0.2	-0.6	0.3
Goods.....	ID5	131	9.196	-0.4	-0.3	0.6	0.2	-1.0	0.7
Energy.....	ID5	1312	0.752	-20.1	-2.4	9.0	1.0	-12.7	5.4
Goods excluding foods and energy.....	ID5	1313	8.444	1.7	-0.2	0.0	0.2	0.0	0.4
Services.....	ID5	132	3.695	-0.4	0.6	0.7	0.2	0.3	-0.8
Trade services.....	ID5	1323	2.816	-0.1	0.8	0.4	0.7	0.5	-0.9
Transportation and warehousing services.....	ID5	1322	0.783	-1.8	-0.2	1.8	-1.4	-0.6	-0.6
Transportation and warehousing of goods.....	ID5	13222	0.783	-1.8	-0.2	1.8	-1.4	-0.6	-0.6
Services less trade, transportation, and warehousing.....	ID5	1321	0.096	3.6	0.8	-0.2	0.9	0.0	0.0
<b>Special Groupings of Intermediate Demand by Production Flow</b>									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	46.013	0.3	-0.1	0.2	-0.1	0.1	0.3
Total services inputs to stage 4 intermediate demand.....	ID5	9412	53.934	3.9	0.3	0.7	0.0	-0.1	0.1
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.053	4.5	0.1	0.2	0.2	0.0	0.0
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.229	0.4	-0.3	1.0	-0.8	1.9	0.0

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> Oct. 2023 to Oct. 2024 <sup>p</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			May to June	June to July <sup>p</sup>	July to Aug. <sup>p</sup>	Aug. to Sept. <sup>p</sup>	Sept. to Oct. <sup>p</sup>
Total energy goods inputs to stage 4 intermediate demand.....	ID5	9415	4.941	-4.8	-0.2	0.5	-0.4	-2.2	1.3
Total goods less foods and energy inputs to stage 4 intermediate demand. ....	ID5	9416	35.843	1.1	-0.1	0.0	0.1	0.2	0.2
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	44.230	-0.7	-0.3	1.2	-0.5	-0.5	1.0
Total services inputs to stage 3 intermediate demand.....	ID5	9312	55.164	2.9	0.1	0.3	-0.3	0.2	0.2
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.605	4.5	0.1	0.2	0.2	0.0	0.0
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	10.128	8.7	0.7	2.4	0.6	3.6	0.7
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	7.005	-18.9	-2.1	5.0	-2.1	-8.4	2.8
Total goods less foods and energy inputs to stage 3 intermediate demand. ....	ID5	9316	27.097	1.0	-0.3	-0.1	-0.5	-0.2	0.7
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	41.192	-5.9	1.2	1.6	-3.0	-3.7	3.8
Total services inputs to stage 2 intermediate demand.....	ID5	9212	57.557	3.7	0.5	-0.2	0.1	0.3	-0.1
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	1.251	4.5	0.1	0.2	0.2	0.0	0.0
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	4.103	-10.2	-0.5	0.1	-2.6	0.9	2.6
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	16.557	-13.8	2.8	2.9	-6.5	-9.5	8.2
Total goods less foods and energy inputs to stage 2 intermediate demand. ....	ID5	9216	20.532	2.1	0.2	0.7	0.0	0.1	0.9
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	48.510	-2.4	-0.2	0.7	-0.1	-0.9	0.6
Total services inputs to stage 1 intermediate demand.....	ID5	9112	51.488	3.2	0.5	0.5	0.2	0.0	0.0
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.004	4.5	0.1	0.2	0.2	0.0	0.0
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	2.832	-8.5	-0.3	-1.1	-1.1	1.2	-0.7
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	9.179	-11.7	-0.5	3.2	-0.3	-5.1	1.6
Total goods less foods and energy inputs to stage 1 intermediate demand. ....	ID5	9116	36.499	0.6	-0.1	0.2	0.0	0.0	0.4

<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.

p Preliminary

"/" Data not available.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted**  
[October 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		Oct. 2023 to Oct. 2024 <sup>P</sup>	May to June	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>
<b>Final Demand</b>								
Final demand.....	FD	4	2.4	0.4	0.0	0.2	0.1	0.2
Final demand goods.....	FD	41	0.2	-0.3	0.6	-0.1	-0.2	0.1
Final demand foods.....	FD	411	2.7	0.1	0.6	0.2	1.0	-0.2
Fresh fruits and melons <sup>2</sup> .....	01	11	7.8	-6.3	10.3	-2.9	8.3	-3.3
Fresh and dry vegetables <sup>2</sup> .....	01	13	12.1	-4.4	-5.4	2.5	-2.5	2.3
Grains.....	01	2	-17.6	-2.1	-6.3	-1.2	4.5	-1.8
Eggs for fresh use <sup>2</sup> .....	01	7107	98.2	55.9	-8.9	55.1	-6.2	-22.0
Oilseeds.....	01	8301	-19.9	-3.2	-2.0	-6.6	1.6	5.0
Bakery products <sup>2</sup> .....	02	11	1.0	-0.1	0.1	0.1	-0.2	0.6
Milled rice <sup>2</sup> .....	02	13	-2.0	0.4	-0.2	-0.4	-0.6	0.3
Pasta products <sup>2</sup> .....	02	1402	-3.1	0.0	0.0	0.0	-0.1	-0.6
Beef and veal.....	02	2101	4.2	2.0	7.7	-7.7	1.5	6.7
Pork.....	02	2104	12.4	-3.1	1.9	-2.1	1.5	0.0
Processed young chickens.....	02	2203	0.4	2.0	-0.9	1.0	8.3	-8.5
Processed turkeys <sup>2</sup> .....	02	2206	-4.4	-2.2	-0.3	-0.3	1.3	-0.5
Finfish and shellfish.....	02	23	2.0	-3.9	-0.5	0.9	-0.2	1.4
Dairy products <sup>2</sup> .....	02	3	5.6	1.6	1.3	0.8	1.9	-0.8
Processed fruits and vegetables <sup>2</sup> .....	02	4	2.2	0.3	0.9	-0.2	0.4	0.6
Confectionery end products <sup>2</sup> .....	02	55	6.8	0.2	0.3	1.7	1.4	0.8
Soft drinks <sup>2</sup> .....	02	62	2.6	-0.3	-0.2	1.2	-0.8	-0.9
Roasted coffee <sup>2</sup> .....	02	6301	14.5	0.8	3.1	2.5	0.6	7.3
Shortening and cooking oils <sup>2</sup> .....	02	78	-2.7	-0.3	0.7	-1.1	0.4	1.0
Frozen specialty food <sup>2</sup> .....	02	85	0.5	-0.3	-0.4	0.6	0.0	-0.4
Final demand energy.....	FD	412	-8.6	-2.0	1.7	-1.1	-2.8	-0.3
Liquefied petroleum gas <sup>2</sup> .....	05	32	-25.5	-0.9	-4.2	-3.7	0.1	-18.1
Residential electric power.....	05	41	1.2	-0.3	-0.7	-1.0	1.5	-0.5
Residential natural gas.....	05	51	2.5	2.0	0.9	-1.2	0.9	0.9
Gasoline.....	05	71	-13.3	-5.2	2.8	0.2	-5.3	-0.9
Home heating oil and distillates.....	05	7302	-27.9	-3.7	8.6	-4.8	-7.5	-5.5
No. 2 diesel fuel.....	05	7303	-21.3	-3.3	12.4	1.7	-16.8	7.5
Final demand goods less foods and energy.....	FD	413	2.2	0.1	0.2	0.2	0.1	0.3
Alcoholic beverages.....	02	61	0.2	0.6	0.3	-0.1	-0.5	0.0
Pet food <sup>2</sup> .....	02	9402	0.0	0.0	-0.2	0.0	0.0	0.0
Women's, girls', and infants' apparel <sup>2</sup> .....	03	8106	2.6	0.3	0.0	0.0	0.0	0.0
Men's and boys' apparel <sup>2</sup> .....	03	8107	1.8	-0.2	0.2	-0.3	-0.3	1.2
Textile housefurnishings <sup>2</sup> .....	03	82	2.2	0.0	-0.1	0.0	0.0	0.8
Footwear <sup>2</sup> .....	04	3	2.0	0.0	0.1	-0.1	0.0	0.2
Industrial chemicals.....	06	1	-1.7	0.0	2.8	0.3	-0.9	0.9
Pharmaceutical preparations.....	06	38	1.7	0.1	0.2	0.5	0.2	0.2
Soaps and detergents <sup>2</sup> .....	06	71	1.2	-0.1	0.0	-0.6	0.0	0.0
Cleaning and polishing products <sup>2</sup> .....	06	72	0.8	0.0	0.1	0.1	0.0	0.0
Cosmetics and other toiletries <sup>2</sup> .....	06	75	1.2	0.0	0.0	0.4	0.0	0.0
Tires <sup>2</sup> .....	07	1201	-0.4	-0.3	0.2	0.0	0.2	0.1
Consumer, institutional, and commercial products, n.e.c. <sup>2</sup> .....	07	2B	0.5	0.3	0.2	0.2	0.3	-0.3
Sanitary paper products <sup>2</sup> .....	09	1501	-0.9	0.0	0.2	0.0	0.9	0.1
Iron and steel scrap.....	10	12	0.3	0.1	5.5	2.0	-0.1	8.0
Agricultural machinery and equipment <sup>2</sup> .....	11	1	0.3	0.0	-0.5	-0.1	0.5	0.2
Construction machinery and equipment <sup>2</sup> .....	11	2	2.1	0.1	0.2	-0.1	-0.1	0.1
Metal cutting machine tools <sup>2</sup> .....	11	37	0.5	0.0	0.0	0.0	0.0	0.1
Metal forming machine tools.....	11	38	2.4	0.5	0.7	0.2	-0.9	0.7
Tools, dies, jigs, fixtures, and industrial molds <sup>2</sup> .....	11	39	6.0	0.0	0.4	0.0	0.0	1.6
Pumps, compressors, and equipment <sup>2</sup> .....	11	41	4.4	-0.1	0.4	0.3	0.0	0.1
Industrial material handling equipment <sup>2</sup> .....	11	44	4.0	0.1	0.0	0.0	0.0	0.3
Electronic computers and computer equipment <sup>2</sup> .....	11	5	2.4	-0.1	-0.9	1.4	1.5	0.0
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	2.2	0.0	0.0	0.1	0.1	0.1
Printing trades machinery and equipment <sup>2</sup> .....	11	65	1.1	-0.1	0.3	-0.1	1.0	0.1
Transformers and power regulators <sup>2</sup> .....	11	74	3.3	0.6	0.2	0.0	0.0	0.8
Communication and related equipment.....	11	76	5.3	0.2	0.1	0.1	0.9	0.2
Electronic components and accessories.....	11	78	0.5	-0.1	-1.1	0.0	0.1	0.7
X-ray and electromedical equipment <sup>2</sup> .....	11	7905	1.0	0.0	0.3	0.0	0.0	0.1
Oil field and gas field machinery <sup>2</sup> .....	11	91	3.6	0.4	0.0	0.0	0.0	0.0
Mining machinery and equipment <sup>2</sup> .....	11	92	6.3	0.5	0.7	0.0	0.0	0.0
Internal combustion engines <sup>2</sup> .....	11	94	3.2	0.0	0.3	0.0	0.0	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**  
 [October 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		Oct. 2023 to Oct. 2024 <sup>P</sup>	May to June	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>
Household furniture <sup>2</sup> .....	12	1	1.4	0.1	0.1	0.0	0.5	-0.3
Commercial furniture <sup>2</sup> .....	12	2	2.8	0.2	-0.1	0.4	0.3	0.1
Floor coverings <sup>2</sup> .....	12	3	2.0	0.9	-0.1	-1.2	3.4	0.0
Household appliances <sup>2</sup> .....	12	4	-0.5	0.0	-0.4	0.4	-0.5	0.1
Home electronic equipment <sup>2</sup> .....	12	5	1.6	0.0	0.0	0.0	0.0	0.0
Lawn and garden equipment excl. garden tractors <sup>2</sup> .....	12	66	1.2	0.0	-0.2	-0.1	0.0	0.0
Passenger cars.....	14	1101	-1.6	0.5	-0.2	0.0	0.0	0.3
Light motor trucks.....	14	1105	1.6	0.2	0.2	0.3	0.3	0.0
Heavy motor trucks <sup>2</sup> .....	14	1106	1.8	0.0	0.0	0.0	1.3	0.0
Motor vehicles parts <sup>2</sup> .....	14	12	0.5	0.1	0.2	0.1	-0.1	-0.2
Truck trailers <sup>2</sup> .....	14	14	-0.2	-0.1	0.4	-0.2	0.0	0.0
Travel trailers and campers <sup>2</sup> .....	14	16	-0.3	0.1	-0.2	0.0	0.0	0.0
Aircraft.....	14	21	2.1	0.1	0.2	0.3	0.1	0.1
Ships <sup>2</sup> .....	14	31	1.6	0.2	0.5	0.0	0.3	0.0
Railroad equipment <sup>2</sup> .....	14	4	0.2	0.0	-1.1	0.4	0.1	0.0
Toys, games, and children's vehicles <sup>2</sup> .....	15	11	0.5	0.0	0.0	0.4	0.0	0.0
Sporting and athletic goods <sup>2</sup> .....	15	12	5.8	-0.1	0.0	0.0	0.0	0.1
Cigarettes <sup>2</sup> .....	15	21	11.8	0.0	0.0	2.3	0.5	0.4
Mobile homes.....	15	5	1.6	-0.4	0.2	0.9	0.9	0.3
Medical, surgical & personal aid devices.....	15	6	2.1	0.2	0.0	0.0	0.0	-0.2
Jewelry, platinum and karat gold <sup>2</sup> .....	15	9402	13.8	-1.4	1.0	0.5	0.8	1.6
Costume jewelry and novelties <sup>2</sup> .....	15	9404	1.9	2.0	0.0	0.0	0.4	0.0
Final demand services.....	FD	42	3.5	0.7	-0.2	0.4	0.2	0.3
Final demand trade services <sup>3</sup> .....	FD	423	1.8	1.9	-1.8	0.8	0.3	0.1
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	3.3	-3.4	5.1	0.8	-1.9	-0.2
Machinery and vehicle wholesaling <sup>2</sup> .....	57	1103	11.0	5.4	-6.3	3.7	0.7	2.1
Professional and commercial equipment wholesaling <sup>2</sup> .....	57	1104	-5.5	1.2	1.7	4.6	-6.9	-1.7
Furnishings wholesaling <sup>2</sup> .....	57	2	4.7	0.9	0.1	0.3	0.0	0.0
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-1.8	-0.4	0.2	1.8	-1.0	-3.2
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-2.1	-0.4	1.1	-0.5	0.1	0.8
Apparel wholesaling <sup>2</sup> .....	57	7	0.1	0.7	0.0	-1.2	6.7	2.7
Food and alcohol wholesaling <sup>2</sup> .....	57	8	7.2	1.1	-1.3	-1.4	1.0	0.1
Food and alcohol retailing.....	58	1	1.9	0.9	-2.4	-1.9	0.4	0.8
Health, beauty, and optical goods retailing <sup>2</sup> .....	58	2	6.6	0.7	-0.2	-0.5	1.3	0.6
Apparel, jewelry, footwear, and accessories retailing.....	58	3	-1.2	0.6	-3.3	2.2	0.1	-3.7
Computer hardware, software, and supplies retailing <sup>2</sup> .....	58	4	81.9	20.7	10.3	8.5	3.1	14.9
TV, video, and photographic equipment and supplies retailing.....	58	5	-10.6	-9.6	1.5	-5.3	2.9	6.1
Automobiles retailing (partial).....	58	6101	-32.5	-5.9	-5.0	-3.3	0.4	-1.3
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	5.7	2.9	0.8	1.5	2.4	-0.5
RVs, trailers, and campers retailing <sup>2</sup> .....	58	8	5.5	-16.2	9.6	-1.5	-4.9	1.2
Sporting goods, including boats, retailing.....	58	9	-2.2	2.0	-6.2	3.3	-5.1	-1.2
Lawn, garden, and farm equipment and supplies retailing <sup>2</sup> .....	58	A	1.9	0.4	-0.2	1.7	0.2	0.4
Furniture retailing <sup>2</sup> .....	58	B	-4.0	1.0	0.0	2.9	4.7	-2.1
Flooring and floor coverings retailing <sup>2</sup> .....	58	C	3.3	1.2	-1.5	0.1	-1.5	0.2
Hardware, building materials, and supplies retailing.....	58	D	-3.4	0.9	0.4	2.9	-0.5	-2.6
Major household appliances retailing.....	58	E	8.0	1.7	0.2	-3.5	11.4	3.9
Fuels and lubricants retailing.....	58	F	3.8	5.3	-4.7	14.9	1.6	-6.0
Cleaning supplies and paper products retailing <sup>2</sup> .....	58	G	6.7	0.5	-1.2	-0.1	3.3	3.8
Book retailing <sup>2</sup> .....	58	H	2.6	2.9	1.7	-2.9	1.6	1.3
Final demand transportation and warehousing services.....	FD	422	0.1	-0.1	1.2	-0.9	0.0	0.5
Rail transportation of freight and mail <sup>2</sup> .....	30	11	1.6	0.0	0.6	-0.1	0.3	-0.1
Truck transportation of freight <sup>2</sup> .....	30	12	-2.1	-0.3	1.9	-1.4	-0.6	-0.7
Air transportation of freight <sup>2</sup> .....	30	14	-1.3	0.2	-0.3	-0.7	0.0	1.3
Courier, messenger, and U.S. postal services.....	30	16	5.9	0.0	0.4	2.1	0.3	0.6
Rail transportation of passengers.....	30	21	0.0	-0.1	0.0	0.1	0.0	0.0
Airline passenger services.....	30	22	2.2	0.2	0.2	-1.0	1.1	3.2
Final demand services less trade, transportation, and warehousing.....	FD	421	4.6	0.3	0.4	0.3	0.1	0.3
Sales of books.....	33	11	8.1	0.1	1.0	0.7	0.2	1.1
Sales and subscriptions of periodicals and newspapers.....	33	12	4.3	1.8	0.1	0.7	0.1	0.1
Application software publishing <sup>2</sup> .....	34	2	1.2	0.1	-1.8	-1.1	1.4	-0.3
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-3.4	0.0	0.0	-1.7	-1.7	-0.2
Residential wired telecommunication services <sup>2</sup> .....	37	11	3.7	-0.2	-0.1	0.1	-0.1	-0.1
Wireless telecommunication services.....	37	2	1.6	0.1	0.1	0.0	0.1	0.1
Cable and satellite subscriber services.....	37	3	6.0	0.5	-1.4	-0.4	-0.6	6.5
Internet access services <sup>2</sup> .....	37	4	4.8	-0.1	1.3	1.2	-1.1	0.6

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [October 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		Oct. 2023 to Oct. 2024 <sup>P</sup>	May to June	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>
Bundled wired telecommunications access services <sup>2</sup>	37	5	7.0	-0.3	0.6	0.6	-0.6	0.5
Consumer loans (partial)	39	12	0.4	-9.0	-0.8	5.9	-4.8	-1.9
Deposit services (partial) <sup>2</sup>	39	2	20.5	4.7	0.5	-0.2	2.8	0.7
Other credit intermediation, incl. trust services (partial) <sup>2</sup>	39	3	-6.4	0.0	0.1	-1.2	-0.3	0.0
Securities brokerage, dealing, investment advice, and related services <sup>2</sup>	40	1	5.6	1.5	1.8	0.4	-2.3	-2.3
Portfolio management <sup>2</sup>	40	2	18.7	1.2	1.9	0.1	0.7	3.6
Life insurance <sup>2</sup>	41	1101	-0.4	0.2	0.0	0.6	0.1	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	0.1	0.5	0.2	0.2
Property and casualty insurance <sup>2</sup>	41	1104	8.2	1.1	0.2	0.3	1.3	0.1
Annuities <sup>2</sup>	41	2	4.1	0.0	1.7	0.0	0.1	0.2
Residential property sales and leases, brokerage fees and commissions	43	21	3.2	0.5	0.3	0.0	0.4	0.3
Passenger car rental	44	1	-2.9	4.5	0.9	-4.5	3.5	-4.1
Legal services	45	1	8.0	0.1	0.5	0.5	-0.3	1.4
Tax preparation and planning	45	2102	1.9	-3.5	-0.2	0.0	-0.5	-0.3
Architectural and engineering services	45	3	1.6	0.2	-0.1	0.2	0.3	0.0
Management, scientific, and technical consulting services <sup>2</sup>	45	4	3.0	2.9	-4.1	0.1	0.1	-0.3
Arrangement of flights (partial)	47	1	-2.2	-1.5	3.3	-0.7	0.0	0.8
Arrangement of vehicle rentals and lodging <sup>2</sup>	47	2	18.7	0.0	3.7	-0.1	0.0	3.8
Arrangement of cruises and tours <sup>2</sup>	47	3	-0.4	-0.9	0.1	0.2	1.2	0.6
Physician care	51	1101	1.6	0.3	-0.1	0.0	0.0	0.0
Medical laboratory and diagnostic imaging care <sup>2</sup>	51	1102	0.0	-0.3	0.0	-0.1	0.0	0.0
Home health and hospice care	51	1103	1.5	0.2	0.4	0.0	0.0	0.5
Hospital outpatient care <sup>2</sup>	51	1104	3.6	0.2	0.3	0.7	0.0	0.6
Dental care	51	1105	4.5	0.2	0.0	0.0	0.0	0.1
Hospital inpatient care	51	2101	3.3	0.3	0.2	0.3	0.3	-0.4
Nursing home care	51	2102	3.3	0.0	1.3	0.3	0.3	0.8
Traveler accommodation services	53	11	4.1	-0.6	-3.5	3.4	2.0	-0.5
Food and beverages for immediate consumption services (partial) <sup>2</sup>	54	1	2.8	0.5	0.2	-0.3	0.5	0.3
Motor vehicle repair and maintenance (partial) <sup>2</sup>	55	2	5.5	0.2	0.4	0.7	0.5	0.0
Membership dues and admissions and recreation facility use fees (partial) <sup>2</sup>	56	1	2.7	-3.1	1.9	-2.6	2.3	1.4
Recreational activity instruction fees (partial) <sup>2</sup>	56	2	7.2	6.6	0.0	0.0	0.0	0.0
Gaming receipts (partial) <sup>2</sup>	56	3	-2.9	-0.7	-1.7	1.0	0.6	-2.7
Mining services <sup>2</sup>	60	1	3.1	-1.0	0.3	1.2	0.2	-0.5
Final demand construction	FD	43	1.4	0.3	0.7	0.0	0.1	-0.2
New warehouse building construction <sup>2</sup>	80	1101	0.4	-0.1	0.1	-0.1	0.0	-0.1
New school building construction <sup>2</sup>	80	1102	2.0	0.1	1.4	0.0	0.1	0.0
New office building construction <sup>2</sup>	80	1103	2.6	1.1	1.2	-0.3	0.3	-0.2
New industrial building construction <sup>2</sup>	80	1104	-0.4	0.1	0.1	0.0	0.1	-0.7
New health care building construction <sup>2</sup>	80	1105	0.1	0.0	0.3	0.4	-0.1	-0.2
<b>Intermediate Demand by Commodity Type</b>								
Processed goods for intermediate demand	ID6	1	-1.2	-0.1	0.6	-0.2	-0.8	0.5
Processed foods and feeds	ID6	9112	1.2	0.7	1.5	-0.3	1.0	-0.1
Meats	02	21	6.2	0.1	4.2	-4.0	1.5	3.1
Processed poultry	02	22	-4.5	-2.4	-0.9	0.6	7.5	-6.6
Dairy products <sup>2</sup>	02	3	5.6	1.6	1.3	0.8	1.9	-0.8
Processed fruits and vegetables <sup>2</sup>	02	4	2.2	0.3	0.9	-0.2	0.4	0.6
Refined sugar and byproducts <sup>2</sup>	02	53	14.7	-0.3	0.1	-0.3	-0.7	-0.4
Fats and oils <sup>2</sup>	02	7	-9.8	0.2	2.4	-3.0	-0.9	0.7
Prepared animal feeds	02	9	-5.6	0.3	0.7	-1.0	0.2	1.5
Processed materials less foods and feeds	ID6	9111	-1.5	-0.2	0.5	-0.2	-1.0	0.6
Synthetic fibers <sup>2</sup>	03	1	0.2	-2.1	-0.8	0.5	-2.3	2.7
Processed yarns and threads <sup>2</sup>	03	2	-0.2	-0.1	-0.5	0.1	0.1	-0.2
Finished fabrics <sup>2</sup>	03	4	0.8	0.3	0.1	0.2	0.2	0.0
Liquefied petroleum gas <sup>2</sup>	05	32	-25.5	-0.9	-4.2	-3.7	0.1	-18.1
Commercial electric power	05	42	2.6	0.7	-1.4	-1.0	0.4	1.5
Industrial electric power	05	43	1.8	1.4	-0.7	0.0	-0.1	1.9
Commercial natural gas	05	52	-0.8	2.4	-0.1	-3.8	0.3	1.3
Industrial natural gas	05	53	-8.2	1.4	3.0	-5.8	-2.0	-1.1
Natural gas to electric utilities	05	54	-3.0	4.0	2.1	-3.6	-1.3	-3.1
Gasoline	05	71	-13.3	-5.2	2.8	0.2	-5.3	-0.9
Jet fuel <sup>2</sup>	05	7203	-30.8	-3.5	5.8	-10.4	-6.6	-0.3
No. 2 diesel fuel	05	7303	-21.3	-3.3	12.4	1.7	-16.8	7.5
Residual fuels <sup>2</sup>	05	74	-15.8	-1.7	2.4	-4.4	-1.6	-10.3

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**  
 [October 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		Oct. 2023 to Oct. 2024 <sup>P</sup>	May to June	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>
Finished lubricants <sup>2</sup> .....	05	76	0.1	-0.1	-0.1	0.1	-0.1	0.0
Lubricating oil base stocks <sup>2</sup> .....	05	78	-4.9	2.4	1.6	-3.9	-2.5	4.7
Asphalt.....	05	8102	-14.8	-3.0	-3.0	-3.2	-14.5	7.4
Basic inorganic chemicals <sup>2</sup> .....	06	13	-1.7	0.0	-0.2	0.0	-0.1	0.2
Basic organic chemicals.....	06	14	-1.7	0.0	3.5	0.3	-1.0	1.0
Prepared paint <sup>2</sup> .....	06	21	0.3	0.1	0.2	0.1	0.2	0.0
Paint materials <sup>2</sup> .....	06	22	0.6	0.2	-0.1	0.0	2.9	0.0
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	4.3	-0.2	0.1	-0.1	0.1	-0.1
Biological products, including diagnostics.....	06	37	3.4	0.0	-0.1	0.7	1.5	0.1
Fats and oils, inedible <sup>2</sup> .....	06	4	1.4	0.6	1.5	-0.7	0.0	0.0
Nitrogenates.....	06	5201	-3.6	-1.5	3.3	2.4	0.8	-4.5
Phosphates.....	06	5202	7.7	4.7	1.7	-0.4	2.5	-0.2
Other agricultural chemicals <sup>2</sup> .....	06	53	0.5	0.5	0.0	0.0	-0.1	0.2
Plastic resins and materials.....	06	6	2.2	-0.6	1.4	-0.8	-2.7	3.5
Industrial gases <sup>2</sup> .....	06	7903	-2.2	0.3	0.3	0.3	2.2	-5.8
Adhesives and sealants <sup>2</sup> .....	06	7904	1.2	-0.2	0.2	0.9	0.0	0.0
Synthetic rubber <sup>2</sup> .....	07	1102	11.9	1.3	-0.5	-0.4	0.5	1.6
Tires <sup>2</sup> .....	07	1201	-0.4	-0.3	0.2	0.0	0.2	0.1
Plastic construction products <sup>2</sup> .....	07	21	-0.7	-0.2	0.1	0.3	-0.4	-0.5
Unsupported plastic film, sheet, other shapes <sup>2</sup> .....	07	22	2.8	-0.2	0.6	1.0	0.0	0.0
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	1.0	0.0	-0.4	0.9	0.0	0.0
Plastic packaging products <sup>2</sup> .....	07	2A	0.7	0.1	-0.5	-0.4	0.2	0.4
Softwood lumber.....	08	11	2.7	3.3	-1.0	2.7	4.0	2.6
Hardwood lumber <sup>2</sup> .....	08	12	7.3	0.5	0.1	-0.1	-0.1	0.0
Millwork.....	08	2	1.0	0.1	-0.3	0.3	0.1	0.4
Plywood <sup>2</sup> .....	08	3	-5.6	-1.6	-2.2	-0.8	1.2	0.1
Paper <sup>2</sup> .....	09	13	2.6	-0.1	0.5	0.0	0.2	0.7
Paperboard <sup>2</sup> .....	09	14	3.5	0.4	0.5	1.7	0.4	0.7
Paper boxes and containers <sup>2</sup> .....	09	1503	3.4	-0.1	0.4	1.2	0.5	1.1
Building paper and board <sup>2</sup> .....	09	2	-10.8	-4.6	-13.2	-1.4	-0.5	0.0
Commercial printing <sup>2</sup> .....	09	47	2.6	0.3	0.3	0.6	0.0	0.2
Foundry and forge shop products <sup>2</sup> .....	10	15	-0.2	0.7	-0.9	-0.4	-0.2	-0.4
Steel mill products <sup>2</sup> .....	10	17	-10.3	-1.8	-3.5	-2.8	-1.7	0.7
Primary nonferrous metals <sup>2</sup> .....	10	22	17.4	0.7	-0.9	-1.6	3.5	2.7
Secondary nonferrous metals <sup>2</sup> .....	10	24	14.1	0.3	0.6	-0.4	0.0	3.9
Aluminum mill shapes <sup>2</sup> .....	10	2501	4.7	2.3	0.6	-2.2	-0.9	1.5
Copper and brass mill shapes <sup>2</sup> .....	10	2502	13.9	2.1	-3.2	-1.9	1.1	3.1
Nonferrous wire and cable <sup>2</sup> .....	10	26	8.5	-0.4	-1.9	-2.6	0.0	1.9
Nonferrous foundry shop products.....	10	28	5.0	0.8	0.3	-0.1	0.0	0.7
Metal containers <sup>2</sup> .....	10	3	0.1	0.2	0.7	-0.3	0.0	-0.4
Hardware <sup>2</sup> .....	10	4	0.0	0.1	0.0	0.1	0.0	0.4
Plumbing fixtures and brass fittings.....	10	5	2.0	0.1	0.5	0.6	0.0	0.2
Heating equipment <sup>2</sup> .....	10	6	2.6	0.1	0.1	0.1	0.0	0.1
Fabricated structural metal products.....	10	7	-0.5	-0.7	0.3	0.6	0.5	0.6
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	5.1	0.1	0.0	0.2	0.3	-0.1
Lighting fixtures <sup>2</sup> .....	10	83	1.9	0.1	0.0	0.1	0.0	0.0
Fabricated ferrous wire products.....	10	88	3.9	3.1	-0.4	-0.2	-0.2	-0.1
Other miscellaneous metal products <sup>2</sup> .....	10	89	2.0	0.5	0.1	0.2	-0.4	-0.1
Fluid power equipment <sup>2</sup> .....	11	43	4.1	0.0	0.0	2.9	0.0	0.0
Mechanical power transmission equipment <sup>2</sup> .....	11	45	4.0	0.4	0.7	0.3	0.3	0.1
Air conditioning and refrigeration equipment.....	11	48	1.8	-0.7	0.3	1.4	-0.7	0.1
Metal valves, except fluid power.....	11	4902	1.3	0.1	-0.1	-0.1	1.0	0.0
Ball and roller bearings <sup>2</sup> .....	11	4905	2.9	0.0	0.1	0.0	-0.1	-0.2
Wiring devices <sup>2</sup> .....	11	71	-2.0	0.0	-0.1	-0.8	-0.4	-0.1
Motors, generators, motor generator sets <sup>2</sup> .....	11	73	1.6	-0.1	0.6	0.0	-0.4	0.0
Switchgear, switchboard, and industrial controls equip. <sup>2</sup> .....	11	75	6.3	1.9	0.5	-0.3	-0.1	-0.1
Electronic components and accessories.....	11	78	0.5	-0.1	-1.1	0.0	0.1	0.7
Internal combustion engines <sup>2</sup> .....	11	94	3.2	0.0	0.3	0.0	0.0	0.3
Machine shop products <sup>2</sup> .....	11	95	1.7	0.1	0.2	0.7	0.0	-0.4
Flat glass <sup>2</sup> .....	13	11	2.1	-0.5	0.4	0.2	0.2	0.1
Cement.....	13	22	4.7	0.2	-0.2	0.2	0.1	0.5
Concrete products.....	13	3	3.6	-0.1	0.4	0.5	-0.2	0.6
Asphalt felts and coatings <sup>2</sup> .....	13	6	2.4	-0.4	0.3	-1.0	0.8	2.2
Paving mixtures and blocks.....	13	94	2.4	-0.2	0.5	-0.3	0.0	0.9
Motor vehicle parts <sup>2</sup> .....	14	12	0.5	0.1	0.2	0.1	-0.1	-0.2
Aircraft engines and engine parts.....	14	23	4.1	0.2	0.3	0.1	0.3	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**  
 [October 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		Oct. 2023 to Oct. 2024 <sup>P</sup>	May to June	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	3.0	0.3	0.3	0.2	0.0	0.2
Medical, surgical, and personal aid devices.....	15	6	2.1	0.2	0.0	0.0	0.0	-0.2
Unprocessed goods for intermediate demand.....	ID6	2	-2.9	0.6	2.1	-3.4	-1.8	4.1
Unprocessed foodstuffs and feedstuffs.....	ID6	21	4.1	-1.2	1.9	-1.3	3.9	0.4
Wheat <sup>2</sup> .....	01	21	-12.2	-9.8	-11.0	-5.0	4.5	2.7
Corn.....	01	2202	-18.6	-0.2	-5.5	0.0	4.8	-3.0
Slaughter cattle.....	01	31	6.1	-1.3	3.9	-3.0	-1.8	2.9
Slaughter hogs.....	01	32	3.3	-14.9	1.6	-6.6	11.7	-1.9
Slaughter chickens.....	01	4102	15.9	2.7	8.9	5.5	5.3	3.4
Slaughter turkeys.....	01	42	-2.8	-9.1	8.2	-16.9	11.7	0.7
Raw milk.....	01	6	26.6	5.0	2.3	1.7	6.6	1.8
Hay and hayseeds <sup>2</sup> .....	01	81	-29.6	-17.3	4.2	-29.2	29.8	-22.8
Oilseeds.....	01	8301	-19.9	-3.2	-2.0	-6.6	1.6	5.0
Raw cane sugar and byproducts <sup>2</sup> .....	02	5201	-7.3	-0.9	-0.1	-1.5	-1.9	-2.5
Unprocessed nonfood materials.....	ID6	22	-7.0	1.7	2.1	-4.7	-5.4	6.7
Raw cotton <sup>2</sup> .....	01	51	-18.2	-1.3	-6.4	0.2	3.6	3.2
Hides and skins.....	04	1	-11.5	0.1	-5.8	-4.4	-2.4	3.2
Coal <sup>2</sup> .....	05	1	1.0	-2.1	0.1	-0.3	-1.2	0.2
Natural gas <sup>2</sup> .....	05	31	-1.3	27.7	3.3	-20.7	5.3	29.3
Crude petroleum <sup>2</sup> .....	05	61	-17.3	-0.3	3.6	-4.7	-14.0	7.3
Logs, bolts, timber, pulpwood, and woodchips <sup>2</sup> .....	08	5	-3.0	0.2	0.3	0.6	-0.2	0.0
Recyclable paper <sup>2</sup> .....	09	12	27.1	0.7	0.1	-3.4	-2.2	-9.2
Iron ores <sup>2</sup> .....	10	11	-1.0	-0.7	0.8	-0.5	-1.6	0.9
Iron and steel scrap.....	10	12	0.3	0.1	5.5	2.0	-0.1	8.0
Nonferrous metal ores <sup>2</sup> .....	10	21	15.8	-2.9	2.2	-2.0	4.2	3.8
Copper base scrap <sup>2</sup> .....	10	2301	14.8	-4.7	2.2	-9.0	1.0	4.4
Aluminum base scrap.....	10	2302	23.9	7.7	-1.7	-8.9	-0.2	5.7
Construction sand, gravel, and crushed stone.....	13	21	7.5	0.1	1.0	0.8	0.4	0.5
Services for intermediate demand.....	ID6	3	3.5	0.4	0.3	0.0	0.1	0.1
Trade services for intermediate demand <sup>3</sup> .....	ID6	33	1.7	0.8	0.4	0.1	0.0	-0.4
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	3.3	-3.4	5.1	0.8	-1.9	-0.2
Building materials, paint, and hardware wholesaling.....	57	3	0.9	0.9	2.3	1.3	-0.1	0.5
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-3.4	-2.8	-0.3	-0.6	2.8	-0.5
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-1.8	-0.4	0.2	1.8	-1.0	-3.2
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-2.1	-0.4	1.1	-0.5	0.1	0.8
Food wholesaling <sup>2</sup> .....	57	8101	7.5	1.3	-1.6	-1.4	0.9	0.1
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	5.7	2.9	0.8	1.5	2.4	-0.5
Hardware, building material, and supplies retailing.....	58	D	-3.4	0.9	0.4	2.9	-0.5	-2.6
Transportation and warehousing services for intermediate demand.....	ID6	32	3.3	-0.3	0.7	-0.2	0.1	0.4
Rail transportation of freight and mail <sup>2</sup> .....	30	11	1.6	0.0	0.6	-0.1	0.3	-0.1
Truck transportation of freight <sup>2</sup> .....	30	12	-2.1	-0.3	1.9	-1.4	-0.6	-0.7
Water transportation of freight <sup>2</sup> .....	30	13	6.4	1.9	0.5	-0.5	0.3	1.2
Air transportation of freight <sup>2</sup> .....	30	14	-1.3	0.2	-0.3	-0.7	0.0	1.3
U.S. Postal Service <sup>2</sup> .....	30	1601	10.4	0.0	0.0	6.1	0.0	0.9
Courier and messenger services, except air mail.....	30	1602	4.0	0.5	0.3	0.6	0.4	0.3
Air mail and package delivery services, excluding by USPS.....	30	1603	2.8	-0.7	1.2	-0.8	0.6	0.5
Pipeline transportation <sup>2</sup> .....	30	17	0.5	0.0	0.9	-0.1	0.0	0.0
Transportation of passengers (partial).....	30	2	2.2	0.2	0.2	-1.0	1.1	3.2
Services related to water transportation <sup>2</sup> .....	31	1	5.6	0.2	1.0	0.8	-0.1	0.3
Arrangement of freight and cargo <sup>2</sup> .....	31	31	24.3	-0.6	-0.3	0.0	-0.6	0.8
Warehousing, storage, and related services <sup>2</sup> .....	32	1	1.4	-2.6	0.6	-0.9	0.0	0.3
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	4.1	0.5	0.1	0.0	0.1	0.1
Network compensation from broadcast TV, cable TV, radio <sup>2</sup> .....	35	-	0.7	0.5	0.0	0.0	0.0	0.0
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	-4.0	0.0	0.0	-2.0	-2.0	-0.3
Advertising space sales in directories and mail lists <sup>2</sup> .....	36	12	0.1	0.0	0.0	0.0	0.0	0.0
Television advertising time sales.....	36	2	4.0	-1.4	0.1	-5.1	-3.9	6.9
Radio advertising time sales.....	36	3	-6.7	-2.0	-8.3	1.6	12.9	-9.9
Internet advertising sales <sup>2</sup> .....	36	6	23.1	0.0	6.7	0.0	0.0	1.4
Business wired telecommunication services <sup>2</sup> .....	37	12	5.3	-0.1	0.7	0.2	0.9	-0.8
Wireless telecommunication services.....	37	2	1.6	0.1	0.1	0.0	0.1	0.1
Cable and satellite subscriber services.....	37	3	6.0	0.5	-1.4	-0.4	-0.6	6.5
Bundled wired telecommunication access services <sup>2</sup> .....	37	5	7.0	-0.3	0.6	0.6	-0.6	0.5
Data processing and related services <sup>2</sup> .....	38	1	1.2	-0.5	0.2	-0.1	-0.2	0.0
Business loans (partial).....	39	11	-2.9	0.2	-2.0	0.2	-0.5	-2.3

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**  
 [October 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		Oct. 2023 to Oct. 2024 <sup>P</sup>	May to June	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>
Deposit services (partial) <sup>2</sup> .....	39	2	20.5	4.7	0.5	-0.2	2.8	0.7
Other credit intermediation, incl. trust services (partial) <sup>2</sup> .....	39	3	-6.4	0.0	0.1	-1.2	-0.3	0.0
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	5.6	1.5	1.8	0.4	-2.3	-2.3
Portfolio management <sup>2</sup> .....	40	2	18.7	1.2	1.9	0.1	0.7	3.6
Investment banking <sup>2</sup> .....	40	3	12.4	1.2	0.2	1.6	2.2	-1.1
Life insurance <sup>2</sup> .....	41	1101	-0.4	0.2	0.0	0.6	0.1	0.0
Health and medical insurance.....	41	1103	4.6	0.2	0.1	0.5	0.2	0.2
Property and casualty insurance <sup>2</sup> .....	41	1104	8.2	1.1	0.2	0.3	1.3	0.1
Annuities <sup>2</sup> .....	41	2	4.1	0.0	1.7	0.0	0.1	0.2
Commissions from sales of insurance <sup>2</sup> .....	42	1	2.4	0.0	0.4	0.0	0.0	0.2
Nonresidential real estate rents <sup>2</sup> .....	43	11	2.9	1.7	1.7	-0.2	-1.1	0.9
Nonresidential property sales and leases <sup>2</sup> .....	43	12	-2.1	-0.4	1.3	0.5	0.2	-0.3
Residential property management fees <sup>2</sup> .....	43	22	5.4	0.8	0.1	-0.2	0.1	0.1
Passenger car rental.....	44	1	-2.9	4.5	0.9	-4.5	3.5	-4.1
Truck, utility trailer, and RV rental and leasing <sup>2</sup> .....	44	2	3.7	-0.1	0.2	2.0	-0.5	1.2
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	0.4	0.6	-0.3	0.4	0.1	-0.2
Legal services.....	45	1	8.0	0.1	0.5	0.5	-0.3	1.4
Accounting services (partial).....	45	2	3.1	-1.0	0.6	0.7	-0.5	-0.1
Architectural and engineering services.....	45	3	1.6	0.2	-0.1	0.2	0.3	0.0
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	3.0	2.9	-4.1	0.1	0.1	-0.3
Advertising and related services (partial) <sup>2</sup> .....	45	5	1.3	-0.3	0.0	0.3	-0.2	0.5
Permanent placement services <sup>2</sup> .....	46	1	3.8	0.2	0.5	5.1	1.0	0.1
Executive search services <sup>2</sup> .....	46	2	0.2	2.7	-2.2	2.4	-1.6	-0.2
Staffing services.....	46	3	2.1	-0.4	0.7	-0.3	1.9	0.2
Security guard services <sup>2</sup> .....	48	1	7.2	0.4	0.2	0.0	0.4	0.5
Janitorial services <sup>2</sup> .....	49	1	5.3	0.1	0.2	0.0	-0.1	0.0
Waste collection.....	50	1	4.8	0.4	-0.1	-0.7	1.5	-0.1
Traveler accommodation services.....	53	11	4.1	-0.6	-3.5	3.4	2.0	-0.5
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	6.8	1.0	-0.1	1.4	-0.1	0.1
Aircraft repair and maintenance.....	55	4	5.3	0.2	0.1	0.1	0.1	0.2
Metal treatment services <sup>2</sup> .....	59	1	2.0	-0.2	0.0	-0.4	0.1	0.3
Construction for intermediate demand.....	ID6	4	4.5	0.1	0.2	0.2	0.0	0.0
Maintenance and repair of non-residential buildings (partial) <sup>2</sup> .....	80	2	4.5	0.1	0.2	0.2	0.0	0.0
<b>Intermediate Demand by Production Flow</b>								
Stage 4 intermediate demand.....	ID5	4	2.3	0.1	0.5	0.0	0.0	0.2
Stage 4 intermediate demand goods.....	ID5	9411	0.3	-0.1	0.2	-0.1	0.1	0.3
Grains.....	01	2	-17.6	-2.1	-6.3	-1.2	4.5	-1.8
Meats.....	02	21	6.2	0.1	4.2	-4.0	1.5	3.1
Unprocessed and packaged fish.....	02	23	2.0	-3.9	-0.5	0.9	-0.2	1.4
Dairy products <sup>2</sup> .....	02	3	5.6	1.6	1.3	0.8	1.9	-0.8
Commercial electric power.....	05	42	2.6	0.7	-1.4	-1.0	0.4	1.5
Industrial electric power.....	05	43	1.8	1.4	-0.7	0.0	-0.1	1.9
Gasoline.....	05	71	-13.3	-5.2	2.8	0.2	-5.3	-0.9
No. 2 diesel fuel.....	05	7303	-21.3	-3.3	12.4	1.7	-16.8	7.5
Basic organic chemicals.....	06	14	-1.7	0.0	3.5	0.3	-1.0	1.0
Prepared paint <sup>2</sup> .....	06	21	0.3	0.1	0.2	0.1	0.2	0.0
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	4.3	-0.2	0.1	-0.1	0.1	-0.1
Biological products, including diagnostics.....	06	37	3.4	0.0	-0.1	0.7	1.5	0.1
Pharmaceutical preparations.....	06	38	1.7	0.1	0.2	0.5	0.2	0.2
Plastic construction products <sup>2</sup> .....	07	21	-0.7	-0.2	0.1	0.3	-0.4	-0.5
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	2.8	-0.2	0.6	1.0	0.0	0.0
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	1.0	0.0	-0.4	0.9	0.0	0.0
Plastic packaging products <sup>2</sup> .....	07	2A	0.7	0.1	-0.5	-0.4	0.2	0.4
Lumber.....	08	1	4.6	2.1	-0.6	1.5	2.3	1.6
Millwork.....	08	2	1.0	0.1	-0.3	0.3	0.1	0.4
Paper boxes and containers <sup>2</sup> .....	09	1503	3.4	-0.1	0.4	1.2	0.5	1.1
Commercial printing <sup>2</sup> .....	09	47	2.6	0.3	0.3	0.6	0.0	0.2
Steel mill products <sup>2</sup> .....	10	17	-10.3	-1.8	-3.5	-2.8	-1.7	0.7
Nonferrous wire and cable <sup>2</sup> .....	10	26	8.5	-0.4	-1.9	-2.6	0.0	1.9
Fabricated structural metal products.....	10	7	-0.5	-0.7	0.3	0.6	0.5	0.6
Other miscellaneous metal products <sup>2</sup> .....	10	89	2.0	0.5	0.1	0.2	-0.4	-0.1
Air conditioning and refrigeration equipment.....	11	48	1.8	-0.7	0.3	1.4	-0.7	0.1
Wiring devices <sup>2</sup> .....	11	71	-2.0	0.0	-0.1	-0.8	-0.4	-0.1

See footnotes at end of table.

**Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued**  
 [October 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		Oct. 2023 to Oct. 2024 <sup>P</sup>	May to June	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>
Electronic components and accessories.....	11	78	0.5	-0.1	-1.1	0.0	0.1	0.7
Miscellaneous electrical machinery and equipment <sup>2</sup> .....	11	79	1.0	0.0	0.2	0.1	0.0	0.1
Internal combustion engines <sup>2</sup> .....	11	94	3.2	0.0	0.3	0.0	0.0	0.3
Machine shop products <sup>2</sup> .....	11	95	1.7	0.1	0.2	0.7	0.0	-0.4
Concrete ingredients and related products.....	13	2	6.7	0.1	0.6	0.6	0.3	0.5
Concrete products.....	13	3	3.6	-0.1	0.4	0.5	-0.2	0.6
Prepared asphalt, tar roofing and siding products <sup>2</sup> .....	13	61	3.2	-0.7	0.4	-1.2	0.9	2.7
Paving mixtures and blocks.....	13	94	2.4	-0.2	0.5	-0.3	0.0	0.9
Motor vehicle parts <sup>2</sup> .....	14	12	0.5	0.1	0.2	0.1	-0.1	-0.2
Aircraft engines and engine parts.....	14	23	4.1	0.2	0.3	0.1	0.3	0.2
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	3.0	0.3	0.3	0.2	0.0	0.2
Medical, surgical and personal aid devices.....	15	6	2.1	0.2	0.0	0.0	0.0	-0.2
Stage 4 intermediate demand services.....	ID5	9412	3.9	0.3	0.7	0.0	-0.1	0.1
Truck transportation of freight <sup>2</sup> .....	30	12	-2.1	-0.3	1.9	-1.4	-0.6	-0.7
Courier, messenger, and U.S. postal services.....	30	16	5.9	0.0	0.4	2.1	0.3	0.6
Airline passenger services.....	30	22	2.2	0.2	0.2	-1.0	1.1	3.2
Warehousing, storage, and related services <sup>2</sup> .....	32	1	1.4	-2.6	0.6	-0.9	0.0	0.3
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	-4.0	0.0	0.0	-2.0	-2.0	-0.3
Data processing and related services <sup>2</sup> .....	38	1	1.2	-0.5	0.2	-0.1	-0.2	0.0
Business loans (partial).....	39	11	-2.9	0.2	-2.0	0.2	-0.5	-2.3
Deposit services (partial) <sup>2</sup> .....	39	2	20.5	4.7	0.5	-0.2	2.8	0.7
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	5.6	1.5	1.8	0.4	-2.3	-2.3
Portfolio management <sup>2</sup> .....	40	2	18.7	1.2	1.9	0.1	0.7	3.6
Investment banking <sup>2</sup> .....	40	3	12.4	1.2	0.2	1.6	2.2	-1.1
Insurance.....	41	11	5.2	0.5	0.0	0.5	0.7	0.3
Annuities <sup>2</sup> .....	41	2	4.1	0.0	1.7	0.0	0.1	0.2
Nonresidential real estate rents <sup>2</sup> .....	43	11	2.9	1.7	1.7	-0.2	-1.1	0.9
Nonresidential property sales and leases <sup>2</sup> .....	43	12	-2.1	-0.4	1.3	0.5	0.2	-0.3
Nonresidential property management fees <sup>2</sup> .....	43	13	1.6	2.5	-2.7	0.6	-0.4	0.3
Residential property management fees <sup>2</sup> .....	43	22	5.4	0.8	0.1	-0.2	0.1	0.1
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	0.4	0.6	-0.3	0.4	0.1	-0.2
Legal services.....	45	1	8.0	0.1	0.5	0.5	-0.3	1.4
Advertising agency services <sup>2</sup> .....	45	51	1.3	-0.3	0.0	0.3	-0.2	0.5
Accounting services (partial).....	45	2	3.1	-1.0	0.6	0.7	-0.5	-0.1
Architectural and engineering services.....	45	3	1.6	0.2	-0.1	0.2	0.3	0.0
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	3.0	2.9	-4.1	0.1	0.1	-0.3
Staffing services.....	46	3	2.1	-0.4	0.7	-0.3	1.9	0.2
Janitorial services <sup>2</sup> .....	49	1	5.3	0.1	0.2	0.0	-0.1	0.0
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	6.8	1.0	-0.1	1.4	-0.1	0.1
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	3.3	-3.4	5.1	0.8	-1.9	-0.2
Building materials, paint, and hardware wholesaling.....	57	3	0.9	0.9	2.3	1.3	-0.1	0.5
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-3.4	-2.8	-0.3	-0.6	2.8	-0.5
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-1.8	-0.4	0.2	1.8	-1.0	-3.2
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-2.1	-0.4	1.1	-0.5	0.1	0.8
Food and alcohol wholesaling <sup>2</sup> .....	57	8	7.2	1.1	-1.3	-1.4	1.0	0.1
Hardware and building materials and supplies retailing.....	58	D	-3.4	0.9	0.4	2.9	-0.5	-2.6
Metal treatment services <sup>2</sup> .....	59	1	2.0	-0.2	0.0	-0.4	0.1	0.3
Stage 3 intermediate demand.....	ID5	3	1.2	-0.1	0.7	-0.4	-0.1	0.5
Stage 3 intermediate demand goods.....	ID5	9311	-0.7	-0.3	1.2	-0.5	-0.5	1.0
Slaughter cattle.....	01	31	6.1	-1.3	3.9	-3.0	-1.8	2.9
Slaughter hogs.....	01	32	3.3	-14.9	1.6	-6.6	11.7	-1.9
Slaughter poultry.....	01	4	13.2	1.2	8.6	3.0	5.8	3.1
Raw milk.....	01	6	26.6	5.0	2.3	1.7	6.6	1.8
Commercial electric power.....	05	42	2.6	0.7	-1.4	-1.0	0.4	1.5
Industrial electric power.....	05	43	1.8	1.4	-0.7	0.0	-0.1	1.9
Gasoline.....	05	71	-13.3	-5.2	2.8	0.2	-5.3	-0.9
Jet fuel <sup>2</sup> .....	05	7203	-30.8	-3.5	5.8	-10.4	-6.6	-0.3
No. 2 diesel fuel.....	05	7303	-21.3	-3.3	12.4	1.7	-16.8	7.5
Finished lubricants <sup>2</sup> .....	05	76	0.1	-0.1	-0.1	0.1	-0.1	0.0
Lubricating oil base stocks <sup>2</sup> .....	05	78	-4.9	2.4	1.6	-3.9	-2.5	4.7
Asphalt.....	05	8102	-14.8	-3.0	-3.0	-3.2	-14.5	7.4
Basic inorganic chemicals <sup>2</sup> .....	06	13	-1.7	0.0	-0.2	0.0	-0.1	0.2
Basic organic chemicals.....	06	14	-1.7	0.0	3.5	0.3	-1.0	1.0
Paints and allied products <sup>2</sup> .....	06	2	0.3	0.1	0.1	0.1	0.7	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**  
 [October 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		Oct. 2023 to Oct. 2024 <sup>P</sup>	May to June	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>
Agricultural chemicals and chemical products.....	06	5	1.3	0.7	1.3	0.7	1.3	-1.1
Plastic resins and materials.....	06	6	2.2	-0.6	1.4	-0.8	-2.7	3.5
Synthetic rubber <sup>2</sup> .....	07	1102	11.9	1.3	-0.5	-0.4	0.5	1.6
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	2.8	-0.2	0.6	1.0	0.0	0.0
Paper <sup>2</sup> .....	09	13	2.6	-0.1	0.5	0.0	0.2	0.7
Paperboard <sup>2</sup> .....	09	14	3.5	0.4	0.5	1.7	0.4	0.7
Converted paper and paperboard products <sup>2</sup> .....	09	15	1.9	0.0	0.2	0.7	0.6	0.4
Commercial printing <sup>2</sup> .....	09	47	2.6	0.3	0.3	0.6	0.0	0.2
Foundry and forge shop products <sup>2</sup> .....	10	15	-0.2	0.7	-0.9	-0.4	-0.2	-0.4
Steel mill products <sup>2</sup> .....	10	17	-10.3	-1.8	-3.5	-2.8	-1.7	0.7
Nonferrous mill shapes <sup>2</sup> .....	10	25	7.5	1.9	-0.4	-1.7	-0.1	1.8
Nonferrous foundry shop products.....	10	28	5.0	0.8	0.3	-0.1	0.0	0.7
Metal containers <sup>2</sup> .....	10	3	0.1	0.2	0.7	-0.3	0.0	-0.4
Structural, architectural, and pre-engineered metal products.....	10	74	-5.7	-1.3	0.3	0.1	0.4	0.3
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	5.1	0.1	0.0	0.2	0.3	-0.1
Other miscellaneous metal products <sup>2</sup> .....	10	89	2.0	0.5	0.1	0.2	-0.4	-0.1
General purpose machinery and equipment.....	11	4	3.0	0.1	-0.1	0.9	0.1	0.2
Electrical machinery and equipment.....	11	7	2.4	0.2	-0.1	0.0	0.2	0.3
Construction sand, gravel, and crushed stone.....	13	21	7.5	0.1	1.0	0.8	0.4	0.5
Cement.....	13	22	4.7	0.2	-0.2	0.2	0.1	0.5
Motor vehicle parts <sup>2</sup> .....	14	12	0.5	0.1	0.2	0.1	-0.1	-0.2
Aircraft and aircraft equipment.....	14	2	2.6	0.1	0.3	0.2	0.1	0.1
Stage 3 intermediate demand services.....	ID5	9312	2.9	0.1	0.3	-0.3	0.2	0.2
Rail transportation of freight and mail <sup>2</sup> .....	30	11	1.6	0.0	0.6	-0.1	0.3	-0.1
Courier, messenger, and U.S. postal services.....	30	16	5.9	0.0	0.4	2.1	0.3	0.6
Arrangement of freight and cargo <sup>2</sup> .....	31	31	24.3	-0.6	-0.3	0.0	-0.6	0.8
Freight forwarding <sup>2</sup> .....	31	3201	-11.3	0.0	0.0	-9.0	-0.4	0.0
Warehousing, storage, and related services <sup>2</sup> .....	32	1	1.4	-2.6	0.6	-0.9	0.0	0.3
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-3.4	0.0	0.0	-1.7	-1.7	-0.2
Wired telephone services <sup>2</sup> .....	37	1	4.6	-0.1	0.3	0.1	0.4	-0.5
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	7.0	-0.3	0.6	0.6	-0.6	0.5
Data processing and related services <sup>2</sup> .....	38	1	1.2	-0.5	0.2	-0.1	-0.2	0.0
Business loans (partial).....	39	11	-2.9	0.2	-2.0	0.2	-0.5	-2.3
Deposit services (partial) <sup>2</sup> .....	39	2	20.5	4.7	0.5	-0.2	2.8	0.7
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	5.6	1.5	1.8	0.4	-2.3	-2.3
Insurance.....	41	11	5.2	0.5	0.0	0.5	0.7	0.3
Nonresidential real estate rents <sup>2</sup> .....	43	11	2.9	1.7	1.7	-0.2	-1.1	0.9
Legal services.....	45	1	8.0	0.1	0.5	0.5	-0.3	1.4
Accounting services (partial).....	45	2	3.1	-1.0	0.6	0.7	-0.5	-0.1
Architectural and engineering services.....	45	3	1.6	0.2	-0.1	0.2	0.3	0.0
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	3.0	2.9	-4.1	0.1	0.1	-0.3
Advertising agency services <sup>2</sup> .....	45	51	1.3	-0.3	0.0	0.3	-0.2	0.5
Staffing services.....	46	3	2.1	-0.4	0.7	-0.3	1.9	0.2
Aircraft repair maintenance.....	55	4	5.3	0.2	0.1	0.1	0.1	0.2
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	3.3	-3.4	5.1	0.8	-1.9	-0.2
Building materials, paint, and hardware wholesaling.....	57	3	0.9	0.9	2.3	1.3	-0.1	0.5
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-3.4	-2.8	-0.3	-0.6	2.8	-0.5
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-1.8	-0.4	0.2	1.8	-1.0	-3.2
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-2.1	-0.4	1.1	-0.5	0.1	0.8
Food wholesaling <sup>2</sup> .....	57	8101	7.5	1.3	-1.6	-1.4	0.9	0.1
Metal treatment services <sup>2</sup> .....	59	1	2.0	-0.2	0.0	-0.4	0.1	0.3
Stage 2 intermediate demand.....	ID5	2	-0.4	0.8	0.5	-1.1	-1.3	1.5
Stage 2 intermediate demand goods.....	ID5	9211	-5.9	1.2	1.6	-3.0	-3.7	3.8
Corn.....	01	2202	-18.6	-0.2	-5.5	0.0	4.8	-3.0
Oilseeds.....	01	83	-19.9	-3.2	-2.0	-6.6	1.6	5.0
Prepared animal feeds.....	02	9	-5.6	0.3	0.7	-1.0	0.2	1.5
Coal <sup>2</sup> .....	05	1	1.0	-2.1	0.1	-0.3	-1.2	0.2
Natural gas <sup>2</sup> .....	05	31	-1.3	27.7	3.3	-20.7	5.3	29.3
Liquefied petroleum gas <sup>2</sup> .....	05	32	-25.5	-0.9	-4.2	-3.7	0.1	-18.1
Crude petroleum <sup>2</sup> .....	05	61	-17.3	-0.3	3.6	-4.7	-14.0	7.3
No. 2 diesel fuel.....	05	7303	-21.3	-3.3	12.4	1.7	-16.8	7.5
Industrial chemicals.....	06	1	-1.7	0.0	2.8	0.3	-0.9	0.9
Plastic resins and materials.....	06	6	2.2	-0.6	1.4	-0.8	-2.7	3.5
Plastic products <sup>2</sup> .....	07	2	1.2	0.0	0.1	0.4	-0.1	0.1
Logs, bolts, timber, pulpwood, and wood chips <sup>2</sup> .....	08	5	-3.0	0.2	0.3	0.6	-0.2	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**  
 [October 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		Oct. 2023 to Oct. 2024 <sup>P</sup>	May to June	June to July <sup>P</sup>	July to Aug. <sup>P</sup>	Aug. to Sept. <sup>P</sup>
Paper <sup>2</sup> .....	09	13	2.6	-0.1	0.5	0.0	0.2	0.7
Paperboard, excluding corrugated paperboard <sup>2</sup> .....	09	1411	3.5	0.4	0.6	2.0	0.2	0.8
Commercial printing <sup>2</sup> .....	09	47	2.6	0.3	0.3	0.6	0.0	0.2
Iron and steel scrap.....	10	12	0.3	0.1	5.5	2.0	-0.1	8.0
Steel mill products <sup>2</sup> .....	10	17	-10.3	-1.8	-3.5	-2.8	-1.7	0.7
Nonferrous mill shapes <sup>2</sup> .....	10	25	7.5	1.9	-0.4	-1.7	-0.1	1.8
Electrical machinery and equipment.....	11	7	2.4	0.2	-0.1	0.0	0.2	0.3
Electronic components and accessories.....	11	78	0.5	-0.1	-1.1	0.0	0.1	0.7
Stage 2 intermediate demand services.....	ID5	9212	3.7	0.5	-0.2	0.1	0.3	-0.1
Rail transportation of freight and mail <sup>2</sup> .....	30	11	1.6	0.0	0.6	-0.1	0.3	-0.1
Truck transportation of freight <sup>2</sup> .....	30	12	-2.1	-0.3	1.9	-1.4	-0.6	-0.7
U.S. Postal Service <sup>2</sup> .....	30	1601	10.4	0.0	0.0	6.1	0.0	0.9
Courier and messenger services, except air.....	30	1602	4.0	0.5	0.3	0.6	0.4	0.3
Air mail and package delivery services, excluding by USPS.....	30	1603	2.8	-0.7	1.2	-0.8	0.6	0.5
Pipeline transportation <sup>2</sup> .....	30	17	0.5	0.0	0.9	-0.1	0.0	0.0
Airline passenger services.....	30	22	2.2	0.2	0.2	-1.0	1.1	3.2
Arrangement of freight and cargo <sup>2</sup> .....	31	31	24.3	-0.6	-0.3	0.0	-0.6	0.8
Television advertising time sales.....	36	21	4.0	-1.4	0.1	-5.1	-3.9	6.9
Wireless telecommunication services.....	37	2	1.6	0.1	0.1	0.0	0.1	0.1
Data processing and related services <sup>2</sup> .....	38	1	1.2	-0.5	0.2	-0.1	-0.2	0.0
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	5.6	1.5	1.8	0.4	-2.3	-2.3
Portfolio management <sup>2</sup> .....	40	2	18.7	1.2	1.9	0.1	0.7	3.6
Investment banking <sup>2</sup> .....	40	31	12.4	1.2	0.2	1.6	2.2	-1.1
Insurance.....	41	11	5.2	0.5	0.0	0.5	0.7	0.3
Commissions from sales of insurance <sup>2</sup> .....	42	11	2.4	0.0	0.4	0.0	0.0	0.2
Legal services.....	45	1	8.0	0.1	0.5	0.5	-0.3	1.4
Accounting services (partial).....	45	2	3.1	-1.0	0.6	0.7	-0.5	-0.1
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	3.0	2.9	-4.1	0.1	0.1	-0.3
Advertising agency services <sup>2</sup> .....	45	51	1.3	-0.3	0.0	0.3	-0.2	0.5
Staffing services.....	46	3	2.1	-0.4	0.7	-0.3	1.9	0.2
Security guard services <sup>2</sup> .....	48	1	7.2	0.4	0.2	0.0	0.4	0.5
Janitorial services <sup>2</sup> .....	49	1	5.3	0.1	0.2	0.0	-0.1	0.0
Traveler accommodation services.....	53	1	4.1	-0.6	-3.5	3.4	2.0	-0.5
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	6.8	1.0	-0.1	1.4	-0.1	0.1
Hardware and building materials and supplies retailing.....	58	D	-3.4	0.9	0.4	2.9	-0.5	-2.6
Stage 1 intermediate demand.....	ID5	1	0.4	0.2	0.6	0.0	-0.5	0.3
Stage 1 intermediate demand goods.....	ID5	9111	-2.4	-0.2	0.7	-0.1	-0.9	0.6
Prepared animal feeds.....	02	9	-5.6	0.3	0.7	-1.0	0.2	1.5
Commercial electric power.....	05	42	2.6	0.7	-1.4	-1.0	0.4	1.5
Industrial electric power.....	05	43	1.8	1.4	-0.7	0.0	-0.1	1.9
Commercial natural gas.....	05	52	-0.8	2.4	-0.1	-3.8	0.3	1.3
Industrial natural gas.....	05	53	-8.2	1.4	3.0	-5.8	-2.0	-1.1
Gasoline.....	05	71	-13.3	-5.2	2.8	0.2	-5.3	-0.9
No. 2 diesel fuel.....	05	7303	-21.3	-3.3	12.4	1.7	-16.8	7.5
Industrial chemicals.....	06	1	-1.7	0.0	2.8	0.3	-0.9	0.9
Prepared paint <sup>2</sup> .....	06	21	0.3	0.1	0.2	0.1	0.2	0.0
Plastic construction products <sup>2</sup> .....	07	21	-0.7	-0.2	0.1	0.3	-0.4	-0.5
Recyclable paper <sup>2</sup> .....	09	12	27.1	0.7	0.1	-3.4	-2.2	-9.2
Paper <sup>2</sup> .....	09	13	2.6	-0.1	0.5	0.0	0.2	0.7
Converted paper and paperboard products <sup>2</sup> .....	09	15	1.9	0.0	0.2	0.7	0.6	0.4
Iron and steel scrap.....	10	12	0.3	0.1	5.5	2.0	-0.1	8.0
Steel mill products <sup>2</sup> .....	10	17	-10.3	-1.8	-3.5	-2.8	-1.7	0.7
Primary nonferrous metals <sup>2</sup> .....	10	22	17.4	0.7	-0.9	-1.6	3.5	2.7
Nonferrous scrap.....	10	23	13.7	1.0	0.2	-7.1	1.3	4.1
Nonferrous wire and cable <sup>2</sup> .....	10	26	8.5	-0.4	-1.9	-2.6	0.0	1.9
Fabricated structural metal products.....	10	7	-0.5	-0.7	0.3	0.6	0.5	0.6
General purpose machinery and equipment.....	11	4	3.0	0.1	-0.1	0.9	0.1	0.2
Construction sand, gravel, and crushed stone.....	13	21	7.5	0.1	1.0	0.8	0.4	0.5
Stage 1 intermediate demand services.....	ID5	9112	3.2	0.5	0.5	0.2	0.0	0.0
Truck transportation of freight <sup>2</sup> .....	30	12	-2.1	-0.3	1.9	-1.4	-0.6	-0.7
Airline passenger services.....	30	22	2.2	0.2	0.2	-1.0	1.1	3.2
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-3.4	0.0	0.0	-1.7	-1.7	-0.2
Business wired telecommunication services <sup>2</sup> .....	37	12	5.3	-0.1	0.7	0.2	0.9	-0.8
Wireless telecommunication services.....	37	2	1.6	0.1	0.1	0.0	0.1	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**  
 [October 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		Oct. 2023 to Oct. 2024 <sup>p</sup>	May to June	June to July <sup>p</sup>	July to Aug. <sup>p</sup>	Aug. to Sept. <sup>p</sup>
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	7.0	-0.3	0.6	0.6	-0.6	0.5
Business loans (partial).....	39	11	-2.9	0.2	-2.0	0.2	-0.5	-2.3
Deposit services (partial) <sup>2</sup> .....	39	2	20.5	4.7	0.5	-0.2	2.8	0.7
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	5.6	1.5	1.8	0.4	-2.3	-2.3
Portfolio management <sup>2</sup> .....	40	2	18.7	1.2	1.9	0.1	0.7	3.6
Investment banking <sup>2</sup> .....	40	3	12.4	1.2	0.2	1.6	2.2	-1.1
Insurance.....	41	11	5.2	0.5	0.0	0.5	0.7	0.3
Nonresidential real estate rents <sup>2</sup> .....	43	11	2.9	1.7	1.7	-0.2	-1.1	0.9
Architectural and engineering services.....	45	3	1.6	0.2	-0.1	0.2	0.3	0.0
Management consulting services <sup>2</sup> .....	45	41	3.0	2.9	-4.1	0.1	0.1	-0.3
Waste collection.....	50	1	4.8	0.4	-0.1	-0.7	1.5	-0.1
Traveler accommodation services.....	53	11	4.1	-0.6	-3.5	3.4	2.0	-0.5
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	6.8	1.0	-0.1	1.4	-0.1	0.1
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	3.3	-3.4	5.1	0.8	-1.9	-0.2
Building materials, paint, and hardware wholesaling.....	57	3	0.9	0.9	2.3	1.3	-0.1	0.5
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-3.4	-2.8	-0.3	-0.6	2.8	-0.5
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	-1.8	-0.4	0.2	1.8	-1.0	-3.2
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-2.1	-0.4	1.1	-0.5	0.1	0.8
Hardware and building materials and supplies retailing.....	58	D	-3.4	0.9	0.4	2.9	-0.5	-2.6
Mining services <sup>2</sup> .....	60	1	3.1	-1.0	0.3	1.2	0.2	-0.5

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

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

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

p Preliminary

"-" Data not available.

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

**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted**  
 [October 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	June 2024	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>	Oct. 2024 <sup>P</sup>
<b>Final Demand</b>								
Final demand.....		FD	4	144.834	144.899	145.247	145.329	145.615
Final demand goods.....		FD	41	143.017	143.805	143.720	143.365	143.468
Final demand foods.....		FD	411	151.146	152.061	152.421	153.896	153.610
Finished consumer foods <sup>2</sup> .....	00/82	FD	4111	270.799	272.416	274.499	276.812	275.416
Finished consumer foods, crude.....	00/82	FD	411113	263.166	256.196	286.983	284.553	269.945
Finished consumer foods, processed.....	00/82	FD	41112	270.351	272.779	272.118	274.873	274.740
Government purchased foods.....		FD	4112	157.610	160.528	159.341	160.951	162.237
Foods for export.....		FD	4113	140.530	140.618	137.893	140.081	141.436
Final demand energy.....		FD	412	135.223	137.514	136.043	132.291	131.830
Finished consumer energy goods <sup>2</sup> .....	00/82	FD	4121	213.816	216.288	214.987	210.788	209.272
Government purchased energy.....		FD	4122	139.236	144.357	140.657	132.582	134.652
Energy for export.....		FD	4123	124.048	128.688	124.552	117.377	117.452
Final demand goods less foods and energy.....		FD	413	143.294	143.577	143.801	143.996	144.384
Finished goods less foods and energy <sup>2</sup> .....	00/82	FD	4131	252.756	253.076	253.849	254.355	254.666
Finished consumer goods less foods and energy.....	00/82	FD	41311	280.131	280.446	281.542	282.109	282.374
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	365.178	365.689	367.721	368.352	368.790
Durable consumer goods.....	00/82	FD	413112	193.265	193.400	193.660	194.140	194.248
Private capital equipment.....	00/82	FD	41312	217.670	217.980	218.435	218.866	219.202
Private capital equipment for manufacturing industries.....	00/82	FD	413121	235.621	236.096	236.913	237.251	237.924
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	212.308	212.569	212.918	213.376	213.613
Government purchased goods, excluding foods and energy.....		FD	4132	139.513	139.913	140.108	140.382	140.484
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	147.194	147.802	148.057	148.337	148.408
Government purchased capital equipment.....		FD	41322	127.731	127.875	127.995	128.256	128.393
Goods for export, excluding foods and energy.....		FD	4133	138.707	139.118	138.968	138.970	139.804
Final demand services.....		FD	42	144.547	144.248	144.802	145.077	145.464
Final demand trade services <sup>3</sup> .....		FD	423	155.175	152.343	153.552	154.080	154.201
Trade of finished goods <sup>2</sup> .....		FD	4231	153.072	150.129	151.236	151.953	152.019
Trade of personal consumption goods.....		FD	42311	152.778	150.344	150.674	151.770	151.374
Trade of private capital equipment.....		FD	42312	152.636	147.473	152.005	151.036	153.123
Trade of government purchased goods.....		FD	4232	170.877	167.729	169.336	168.815	169.800
Trade of government purchased goods, excluding capital equipment.....		FD	42321	176.000	175.943	174.825	174.514	174.639
Trade of government purchased capital equipment.....		FD	42322	161.585	153.848	159.511	158.681	160.931
Trade of exports.....		FD	4233	168.996	167.348	169.377	168.515	168.814
Final demand transportation and warehousing services.....		FD	422	149.133	150.860	149.523	149.513	150.246
Transportation of passengers for final demand.....		FD	4221	132.695	132.937	131.627	133.025	137.235
Transportation of private passengers.....		FD	42211	132.702	132.943	131.637	133.032	137.233
Transportation of government passengers.....		FD	42212	132.506	132.745	131.451	132.833	136.996
Transportation of passengers for export.....		FD	42213	132.674	132.918	131.596	133.006	137.252
Transportation and warehousing of goods for final demand.....		FD	4222	154.728	157.025	155.685	155.125	154.493
Transportation and warehousing of finished goods <sup>2</sup> .....		FD	42221	152.387	154.780	153.403	152.752	152.039
Transportation and warehousing of personal consumption goods.....		FD	422211	153.028	155.384	154.135	153.503	152.824
Transportation and warehousing of private capital equipment.....		FD	422212	149.788	152.331	150.433	149.704	148.852
Transportation and warehousing of government purchased goods.....		FD	42222	153.807	155.729	155.024	154.530	154.119
Transportation and warehousing of exports.....		FD	42223	161.482	163.656	162.254	161.888	161.393
Final demand services less trade, transportation, and warehousing.....		FD	421	139.144	139.657	140.141	140.342	140.797
Finished services less trade, transportation, and warehousing <sup>2</sup> .....		FD	4211	139.161	139.648	140.187	140.400	140.858
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	138.604	138.974	139.594	139.757	140.229
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	144.669	146.077	145.987	146.585	146.942
Government purchased services less trade, transportation, and warehousing.....		FD	4212	129.998	130.511	130.634	130.811	131.420
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	130.669	131.035	131.227	131.373	131.971
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	114.150	116.730	115.857	116.485	117.208
Services for export less trade, transportation, and warehousing.....		FD	4213	150.242	151.128	151.230	151.295	151.523
Final demand construction.....		FD	43	175.638	176.949	176.905	177.079	176.790
Construction for private capital investment.....		FD	431	179.660	180.731	180.658	180.855	180.458
Construction for government.....		FD	432	168.184	170.013	170.033	170.157	170.093
<b>Final Demand Special Groupings</b>								
Final demand less exports.....	04/10	FD	49101	142.562	142.561	142.994	143.114	143.342
Final demand less government.....	04/10	FD	49102	142.900	142.890	143.283	143.427	143.677
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>1</sup> .....	04/10	FD	49103	143.520	143.323	143.826	144.057	144.425
Final demand less foods and energy <sup>4</sup> .....	04/10	FD	49104	143.325	143.191	143.654	143.907	144.272
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>4</sup> .....	04/10	FD	49105	142.530	142.497	142.869	142.838	143.150

See footnotes at end of table.



**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**  
 [October 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	June 2024	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>	Oct. 2024 <sup>P</sup>
Final demand less foods <sup>4</sup> .....	04/10	FD	49106	142.333	142.349	142.691	142.695	143.008
Final demand less energy.....	04/10	FD	49107	143.511	143.437	143.893	144.214	144.543
Final demand less trade services.....	01/10	FD	49108	140.764	141.462	141.617	141.600	141.919
Final demand less distributive services <sup>5</sup> .....	01/10	FD	49109	140.333	140.964	141.182	141.189	141.549
Final demand goods less energy.....	01/10	FD	49111	143.482	143.899	144.150	144.621	144.858
Final demand goods less foods.....	04/10	FD	49112	138.224	138.968	138.792	138.064	138.246
Final demand services less trade services.....	04/10	FD	49113	138.861	139.482	139.792	139.971	140.448
Final demand distributive services <sup>5</sup> .....	04/10	FD	49114	151.973	149.987	150.779	151.130	151.132
Final demand goods plus final demand distributive services <sup>5</sup> .....	04/10	FD	49115	144.660	144.287	144.567	144.510	144.570
Final demand less foods, energy, and trade services <sup>4</sup> .....	08/13	FD	49116	132.185	132.702	132.961	133.132	133.535
Private and government purchased capital equipment.....	08/13	FD	49117	131.439	131.620	131.874	132.135	132.330
Private and government purchased capital investment services.....	08/13	FD	49118	136.978	135.941	137.438	137.373	138.277
Total private and government purchased capital investment.....	08/13	FD	49119	137.305	137.013	137.846	137.930	138.416
Total finished <sup>2</sup> .....	01/10	FD	49201	143.664	143.570	144.075	144.273	144.460
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>2, 4</sup> .....	12/10	FD	49202	143.046	142.782	143.341	143.660	143.976
Total finished less foods and energy <sup>2, 4</sup> .....	01/10	FD	49203	143.920	143.658	144.213	144.537	144.856
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>2, 4</sup> .....	12/10	FD	49204	141.773	141.624	142.094	142.227	142.462
Total finished less foods <sup>2, 4</sup> .....	01/10	FD	49205	143.211	143.063	143.531	143.670	143.909
Total finished less energy <sup>2</sup> .....	01/10	FD	49206	144.372	144.174	144.763	145.140	145.399
Finished goods <sup>2</sup> .....	00/82	FD	49207	255.879	257.059	257.579	257.220	256.696
Finished goods less energy <sup>2</sup> .....	00/82	FD	49208	256.734	257.403	258.527	259.519	259.367
Finished goods, excluding foods <sup>2, 4</sup> .....	00/82	FD	49209	251.289	252.352	252.459	251.397	251.105
Finished services <sup>2</sup> .....	01/10	FD	49210	142.671	142.294	142.884	143.217	143.580
Private capital investment services.....	04/10	FD	49211	147.192	146.205	147.739	147.675	148.608
Finished distributive services <sup>2, 5</sup> .....	04/10	FD	49212	149.837	147.596	148.381	148.919	148.890
Finished services less trade services <sup>2</sup> .....	04/10	FD	49213	138.593	139.170	139.567	139.757	140.230
Finished services less distributive services <sup>2, 5</sup> .....	04/10	FD	49214	138.109	138.587	139.082	139.319	139.858
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	145.422	145.076	145.985	146.070	146.601
Finished goods plus finished distributive services <sup>2</sup> .....	04/10	FD	49216	146.102	145.363	145.892	146.047	145.881
Total exports.....	04/10	FD	49301	142.113	142.592	142.348	142.177	142.802
Goods for export.....	00/82	FD	49302	231.555	232.590	231.449	231.187	232.614
Services for export.....	04/10	FD	49303	156.574	156.896	157.228	157.025	157.381
Total government purchases.....	04/10	FD	49401	138.840	139.739	139.502	138.869	139.513
Government purchased goods.....	00/82	FD	49402	229.850	232.939	231.374	228.585	229.792
Government purchased services.....	04/10	FD	49403	138.274	138.269	138.551	138.616	139.328
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	135.509	135.462	136.107	136.216	136.587
Government purchases, defense.....	05/15	FD	49405	125.276	125.821	125.119	124.508	125.115
Government purchases, non-defense.....	05/15	FD	49406	133.303	134.285	134.281	133.688	134.296
Personal consumption.....	01/10	FD	49501	143.179	143.144	143.555	143.780	143.887
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	272.010	273.570	274.117	273.412	272.510
Personal consumption goods less energy.....	00/82	FD	49503	276.662	277.548	279.079	280.412	279.949
Personal consumption goods less foods.....	00/82	FD	49504	270.609	272.135	272.024	270.038	269.354
Personal consumption nondurable goods less foods.....	00/82	FD	49508	304.378	306.524	306.246	303.156	302.119
Personal consumption services.....	04/10	FD	49505	141.440	141.159	141.601	141.994	142.266
Personal consumption less trade services.....	04/10	FD	49506	140.182	140.743	141.173	141.180	141.411
Personal consumption less distributive services <sup>5</sup> .....	04/10	FD	49507	139.954	140.453	140.944	140.973	141.236
Personal consumption less foods and energy.....	04/14	FD	49510	132.386	132.166	132.591	132.949	133.190
Personal consumption less foods, energy, and trade services <sup>3</sup> .....	04/14	FD	49511	129.787	130.178	130.639	130.799	131.223
Personal consumption less foods, energy, and distributive services <sup>5</sup> .....	04/14	FD	49512	129.869	130.184	130.716	130.910	131.381
Personal consumption goods plus personal consumption distributive services <sup>5</sup> .....	08/13	FD	49509	134.060	133.587	133.780	134.016	133.606
<b>Intermediate Demand by Commodity Type</b>								
<b>Processed goods</b>								
Processed goods for intermediate demand.....	00/82	ID6	1	254.003	255.582	255.143	253.069	254.415
Materials and components for manufacturing.....	00/82	ID6	11	233.502	234.074	233.722	233.481	234.662
Materials for manufacturing.....		ID6	111	143.819	144.363	143.800	143.586	144.768
Materials for food manufacturing.....	00/82	ID6	1111	254.828	258.781	258.721	261.469	260.184
Materials for nondurable manufacturing.....	00/82	ID6	1112	261.176	265.218	265.531	264.050	266.866
Materials for durable manufacturing.....	00/82	ID6	1113	277.008	272.973	269.835	269.280	272.328
Components for manufacturing.....	00/82	ID6	112	190.551	190.612	191.056	190.997	191.002
Components for nondurable manufacturing.....		ID6	1121	147.519	147.629	148.426	148.296	148.440
Components for durable manufacturing.....		ID6	1122	134.514	134.554	134.847	134.809	134.806
Materials and components for construction.....	00/82	ID6	12	354.135	353.570	354.384	354.506	355.742
Materials for construction.....		ID6	121	169.949	169.256	169.200	169.534	170.733
Components for construction.....		ID6	122	178.730	178.804	179.593	179.420	179.532
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	232.670	238.239	236.138	225.442	228.240
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	243.135	245.542	244.833	237.405	242.349

See footnotes at end of table.

**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**  
 [October 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	June 2024	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>	Oct. 2024 <sup>P</sup>
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	229.632	236.208	233.665	221.920	224.043
Containers for intermediate demand.....	00/82	ID6	14	306.713	308.294	310.145	311.426	313.244
Supplies for intermediate demand.....	00/82	ID6	15	251.240	252.000	252.170	252.818	253.144
Supplies to manufacturing industries.....	00/82	ID6	151	249.831	249.942	250.290	250.774	250.973
Supplies to nonmanufacturing industries.....	00/82	ID6	152	249.464	250.319	250.460	251.128	251.471
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	214.665	217.717	215.832	216.712	218.322
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	255.993	256.569	256.975	257.620	257.802
<b>Unprocessed goods</b>								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	246.965	252.029	243.552	239.268	249.050
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	217.765	221.941	219.122	227.648	228.628
Unprocessed nonfood materials.....	00/82	ID6	22	257.453	262.944	250.707	237.259	253.037
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	328.592	335.554	325.318	303.707	317.808
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	302.986	309.596	299.551	278.508	292.127
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	371.993	375.446	377.926	379.345	381.013
Unprocessed fuel.....	00/82	ID6	222	110.652	113.099	97.663	100.290	118.488
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	218.733	219.912	213.557	212.470	219.695
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	107.717	110.306	93.917	96.829	116.164
<b>Services</b>								
Services for intermediate demand.....		ID6	3	151.265	151.672	151.684	151.812	151.909
Trade services for intermediate demand <sup>5</sup> .....		ID6	33	176.833	177.583	177.761	177.849	177.171
Trade services for manufacturing industries.....	12/12	ID6	331	159.882	161.447	161.500	161.369	160.772
Trade services for nonmanufacturing industries.....	12/12	ID6	332	158.959	158.787	159.049	159.331	158.705
Transportation and warehousing services for intermediate demand.....		ID6	32	159.808	160.893	160.501	160.685	161.355
Transportation of passengers for intermediate demand.....		ID6	321	132.570	132.809	131.516	132.898	137.059
Transportation of passengers for manufacturing industries.....		ID6	3211	132.653	132.896	131.576	132.985	137.228
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	132.621	132.859	131.569	132.948	137.100
Transportation and warehousing of goods for intermediate demand.....		ID6	322	162.687	163.852	163.543	163.616	163.961
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	131.177	132.453	131.371	131.138	130.861
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	146.493	147.445	147.409	147.560	148.032
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	142.767	142.974	143.023	143.148	143.304
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	134.239	134.492	134.871	135.108	135.370
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	143.038	143.243	143.282	143.402	143.555
<b>Construction</b>								
Construction for intermediate demand.....		ID6	4	151.832	152.187	152.520	152.520	152.533
<b>Intermediate Demand by Commodity Type Special Groupings</b>								
Processed materials less foods and feeds.....	00/82	ID6	9111	255.190	256.565	256.146	253.613	255.120
Processed foods and feeds.....	00/82	ID6	9112	242.666	246.233	245.599	248.016	247.771
Processed energy goods.....	00/82	ID6	9113	233.750	239.345	237.235	226.488	229.300
Processed materials less energy.....	00/82	ID6	9118	255.998	256.558	256.541	256.649	257.612
Processed materials less foods and energy.....	00/82	ID6	9115	257.221	257.391	257.454	257.264	258.381
Intermediate distributive services <sup>6</sup> .....	04/10	ID6	9116	168.171	169.090	169.054	169.135	168.910
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	146.195	147.070	146.886	146.085	146.559
Unprocessed materials less agricultural products.....	00/82	ID6	9211	265.910	273.078	259.616	243.661	261.521
Unprocessed energy materials <sup>7</sup> .....	00/82	ID6	9212	196.629	202.933	189.258	170.213	187.103
Unprocessed materials less energy.....	00/82	ID6	9213	271.863	275.491	272.108	280.473	283.447
Unprocessed nonfood materials less energy <sup>8</sup> .....	00/82	ID6	9216	433.227	435.093	430.046	437.659	446.794
<b>Intermediate Demand by Production Flow</b>								
<b>Stage 4 Intermediate Demand</b>								
Stage 4 intermediate demand.....		ID5	4	151.210	151.914	151.894	151.860	152.157
Inputs to stage 4 goods producers.....		ID5	41	146.214	146.891	146.760	147.013	146.989
Goods.....		ID5	411	138.678	138.767	138.559	139.090	139.105
Foods.....		ID5	4111	139.955	140.794	139.790	142.151	142.005
Energy.....		ID5	4112	132.347	128.901	130.773	134.365	132.162
Goods excluding foods and energy.....		ID5	4113	138.650	138.656	138.551	138.774	138.833
Services.....		ID5	412	171.300	173.936	174.060	173.385	173.234
Trade services.....		ID5	4123	182.731	186.549	186.759	185.715	185.318
Transportation and warehousing services.....		ID5	4122	136.360	137.502	136.674	136.767	137.207
Transportation of passengers.....		ID5	41221	132.673	132.917	131.595	133.005	137.251
Transportation and warehousing of goods.....		ID5	41222	146.112	147.506	146.719	146.561	146.280
Services less trade, transportation, and warehousing.....		ID5	4121	135.455	134.976	135.145	135.333	135.716
Inputs to stage 4 services producers.....		ID5	42	150.546	151.364	151.338	151.243	151.654

See footnotes at end of table.

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

[October 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	June 2024	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>	Oct. 2024 <sup>P</sup>
Goods.....		ID5	421	147.025	147.524	147.180	147.238	147.906
Foods.....		ID5	4211	148.659	150.960	149.664	152.852	152.965
Energy.....		ID5	4212	141.055	141.204	140.281	138.356	140.349
Goods excluding foods and energy.....		ID5	4213	149.145	149.289	149.580	149.830	149.890
Services.....		ID5	422	151.492	152.415	152.495	152.349	152.674
Trade services.....		ID5	4223	166.471	167.871	167.704	167.205	166.664
Transportation and warehousing services.....		ID5	4222	154.910	155.583	156.559	156.771	157.916
Transportation of passengers.....		ID5	42221	132.181	132.422	131.114	132.510	136.715
Transportation and warehousing of goods.....		ID5	42222	159.414	160.164	161.531	161.543	162.171
Services less trade, transportation, and warehousing.....		ID5	4221	148.449	149.341	149.354	149.209	149.538
Construction.....		ID5	423	151.832	152.187	152.520	152.520	152.533
Inputs to stage 4 construction producers.....		ID5	43	162.561	162.838	163.092	162.675	163.204
Goods.....		ID5	431	166.494	166.643	167.038	166.342	167.174
Energy.....		ID5	4312	135.929	140.424	140.795	130.822	132.224
Goods excluding foods and energy.....		ID5	4313	173.383	173.098	173.505	173.726	174.520
Services.....		ID5	432	152.413	153.008	152.910	153.186	152.959
Trade services.....		ID5	4323	169.358	170.029	170.238	170.862	170.636
Transportation and warehousing services.....		ID5	4322	146.393	148.691	146.974	146.389	145.713
Transportation of passengers.....		ID5	43221	138.304	138.557	137.182	138.649	143.067
Transportation and warehousing of goods.....		ID5	43222	147.365	149.724	147.990	147.353	146.551
Services less trade, transportation, and warehousing.....		ID5	4321	134.769	134.634	134.895	135.197	135.148
<b>Stage 3 Intermediate Demand</b>								
Stage 3 intermediate demand.....		ID5	3	147.057	148.115	147.582	147.458	148.234
Inputs to stage 3 goods producers.....		ID5	31	154.706	155.669	155.291	156.389	157.222
Goods.....		ID5	311	149.923	150.901	150.549	151.777	152.929
Foods.....		ID5	3111	164.416	168.311	169.279	175.493	176.690
Energy.....		ID5	3112	127.296	127.285	126.654	118.936	121.576
Goods excluding foods and energy.....		ID5	3113	149.259	149.074	148.164	147.815	148.925
Services.....		ID5	312	162.735	163.575	163.122	163.646	163.206
Trade services.....		ID5	3123	168.221	168.594	168.683	169.742	169.109
Transportation and warehousing services.....		ID5	3122	149.817	151.859	150.404	150.023	149.683
Transportation of passengers.....		ID5	31221	141.261	141.520	140.114	141.614	146.133
Transportation and warehousing of goods.....		ID5	31222	150.078	152.215	150.759	150.276	149.667
Services less trade, transportation, and warehousing.....		ID5	3121	138.233	138.120	137.962	138.438	138.468
Inputs to stage 3 services producers.....		ID5	32	140.220	141.360	140.698	139.678	140.439
Goods.....		ID5	321	118.213	122.284	120.599	114.413	116.472
Foods.....		ID5	3211	153.172	154.502	153.384	152.035	151.748
Energy.....		ID5	3212	111.792	118.580	115.720	105.495	108.564
Goods excluding foods and energy.....		ID5	3213	138.000	137.856	138.011	138.070	138.634
Services.....		ID5	322	145.774	146.150	145.745	146.073	146.503
Trade services.....		ID5	3223	204.582	202.511	200.685	201.512	202.162
Transportation and warehousing services.....		ID5	3222	170.307	171.657	171.632	172.112	172.889
Transportation of passengers.....		ID5	32221	104.145	104.176	104.184	104.243	104.412
Transportation and warehousing of goods.....		ID5	32222	170.849	172.206	172.181	172.664	173.444
Services less trade, transportation, and warehousing.....		ID5	3221	136.020	136.278	135.852	136.109	136.432
Construction.....		ID5	323	151.832	152.187	152.520	152.520	152.533
Inputs to stage 3 construction producers.....		ID5	33	142.052	141.988	142.564	143.204	142.481
Goods.....		ID5	331	135.688	134.978	134.650	135.313	135.343
Goods excluding foods and energy.....		ID5	3313	172.899	171.994	171.576	172.421	172.459
Services.....		ID5	332	168.470	169.170	170.901	171.598	169.880
Trade services.....		ID5	3323	173.191	173.964	175.915	176.668	174.726
Transportation and warehousing services.....		ID5	3322	117.411	117.935	117.652	117.948	118.323
Transportation and warehousing of goods.....		ID5	33222	123.932	124.485	124.186	124.498	124.894
Services less trade, transportation, and warehousing.....		ID5	3321	128.224	128.045	127.954	128.113	128.223
<b>Stage 2 Intermediate Demand</b>								
Stage 2 intermediate demand.....		ID5	2	136.934	137.684	136.117	134.342	136.325
Inputs to stage 2 goods producers.....		ID5	21	122.922	124.271	121.183	117.739	121.315
Goods.....		ID5	211	116.613	118.586	114.555	109.786	114.612
Foods.....		ID5	2111	140.078	140.140	136.491	137.745	141.336
Energy.....		ID5	2112	87.331	89.824	83.910	75.868	82.192
Goods excluding foods and energy.....		ID5	2113	143.210	144.418	144.235	144.502	146.227
Services.....		ID5	212	155.705	155.141	154.801	155.329	155.198
Trade services.....		ID5	2123	177.720	176.408	175.948	176.463	175.699
Transportation and warehousing services.....		ID5	2122	171.717	171.451	170.700	171.059	171.663
Transportation of passengers.....		ID5	21221	133.191	133.426	132.164	133.514	137.580
Transportation and warehousing of goods.....		ID5	21222	173.913	173.622	172.894	173.206	173.643
Services less trade, transportation, and warehousing.....		ID5	2121	140.588	140.494	140.639	141.438	141.287
Construction.....		ID5	213	151.832	152.187	152.520	152.520	152.533

See footnotes at end of table.

**Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued**  
 [October 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	June 2024	July 2024 <sup>P</sup>	Aug. 2024 <sup>P</sup>	Sept. 2024 <sup>P</sup>	Oct. 2024 <sup>P</sup>
Inputs to stage 2 services producers.....		ID5	22	149.519	149.503	149.868	150.220	150.164
Goods.....		ID5	221	143.288	144.131	144.358	143.821	144.096
Foods.....		ID5	2211	111.924	112.696	113.325	113.963	115.433
Energy.....		ID5	2212	139.230	145.454	143.681	134.606	135.530
Goods excluding foods and energy.....		ID5	2213	144.282	144.773	145.127	145.136	145.353
Services.....		ID5	222	149.799	149.670	150.052	150.519	150.421
Trade services.....		ID5	2223	194.858	192.911	200.245	200.718	197.202
Transportation and warehousing services.....		ID5	2222	154.095	154.708	150.867	151.009	152.267
Transportation of passengers.....		ID5	22221	133.109	133.352	132.037	133.440	137.668
Transportation and warehousing of goods.....		ID5	22222	158.559	159.243	154.923	154.833	155.551
Services less trade, transportation, and warehousing.....		ID5	2221	148.272	148.171	148.545	149.039	148.999
Construction.....		ID5	223	151.832	152.187	152.520	152.520	152.533
<b>Stage 1 Intermediate Demand</b>								
Stage 1 intermediate demand.....		ID5	1	145.805	146.677	146.700	146.037	146.415
Inputs to stage 1 goods producers.....		ID5	11	141.384	141.864	141.389	141.314	141.597
Goods.....		ID5	111	137.567	138.025	137.165	136.909	137.447
Foods.....		ID5	1111	132.995	131.309	129.135	130.966	130.537
Energy.....		ID5	1112	119.513	120.808	119.623	117.594	117.133
Goods excluding foods and energy.....		ID5	1113	146.224	146.858	146.277	146.087	147.045
Services.....		ID5	112	155.975	156.530	157.153	157.596	157.152
Trade services.....		ID5	1123	168.032	168.675	169.427	169.824	168.498
Transportation and warehousing services.....		ID5	1122	160.395	160.440	159.480	160.006	162.204
Transportation of passengers.....		ID5	11221	132.648	132.891	131.570	132.980	137.225
Transportation and warehousing of goods.....		ID5	11222	165.451	165.446	164.587	164.886	166.551
Services less trade, transportation, and warehousing.....		ID5	1121	114.635	115.064	115.653	116.066	116.384
Construction.....		ID5	113	151.832	152.187	152.520	152.520	152.533
Inputs to stage 1 services producers.....		ID5	12	147.458	148.539	148.783	147.831	148.248
Goods.....		ID5	121	143.131	144.939	145.396	142.558	143.613
Foods.....		ID5	1211	141.593	148.881	173.641	166.300	144.023
Energy.....		ID5	1212	142.393	147.828	147.641	138.359	141.770
Goods excluding foods and energy.....		ID5	1213	151.343	151.502	152.122	152.199	152.360
Services.....		ID5	122	148.599	149.369	149.522	149.369	149.516
Trade services.....		ID5	1223	179.080	179.578	179.178	179.534	179.503
Transportation and warehousing services.....		ID5	1222	145.258	146.053	147.049	147.505	149.191
Transportation of passengers.....		ID5	12221	132.569	132.812	131.492	132.901	137.143
Transportation and warehousing of goods.....		ID5	12222	167.472	168.642	170.965	170.969	171.489
Services less trade, transportation, and warehousing.....		ID5	1221	144.348	145.133	145.218	144.930	144.874
Construction.....		ID5	123	151.832	152.187	152.520	152.520	152.533
Inputs to stage 1 construction producers.....		ID5	13	162.017	163.078	163.480	162.457	162.946
Goods.....		ID5	131	163.199	164.241	164.647	163.021	164.238
Energy.....		ID5	1312	112.988	123.141	124.394	108.647	114.501
Goods excluding foods and energy.....		ID5	1313	171.921	171.880	172.191	172.244	172.921
Services.....		ID5	132	160.152	161.266	161.658	162.109	160.812
Trade services.....		ID5	1323	169.940	170.647	171.805	172.700	171.181
Transportation and warehousing services.....		ID5	1322	120.962	123.144	121.468	120.787	120.053
Transportation and warehousing of goods.....		ID5	13222	125.120	127.377	125.643	124.939	124.180
Services less trade, transportation, and warehousing.....		ID5	1321	143.195	142.902	144.142	144.191	144.146
<b>Intermediate Demand by Production Flow Special Groupings</b>								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	143.722	143.942	143.819	143.954	144.325
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	154.239	155.365	155.438	155.253	155.474
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	150.574	150.926	151.256	151.257	151.269
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	140.546	141.981	140.877	143.534	143.499
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	128.414	129.073	128.502	125.733	127.345
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	147.650	147.616	147.714	147.940	148.172
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	134.732	136.393	135.734	135.091	136.392
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	147.673	148.125	147.735	148.096	148.361
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	150.574	150.926	151.256	151.257	151.269
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	146.254	149.700	150.546	156.019	157.072
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	111.953	117.602	115.128	105.470	108.417
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	141.642	141.458	140.757	140.506	141.467
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	113.633	115.399	111.986	107.868	112.008
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	151.693	151.461	151.673	152.157	152.051
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	150.574	150.926	151.256	151.257	151.269
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	140.569	140.643	137.400	138.292	141.873
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	86.086	88.568	82.823	74.938	81.070
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	135.274	136.256	136.202	136.396	137.691
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	127.726	128.623	128.440	127.239	127.972

See footnotes at end of table.

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

[October 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	June 2024	July 2024 <sup>p</sup>	Aug. 2024 <sup>p</sup>	Sept. 2024 <sup>p</sup>	Oct. 2024 <sup>p</sup>
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	149.846	150.598	150.846	150.835	150.786
Total construction inputs to stage 1 intermediate demand.....	04/10	ID5	9117	150.574	150.926	151.256	151.257	151.269
Total foods inputs to stage 1 intermediate demand.....	04/10	ID5	9114	125.272	123.895	122.476	123.984	123.074
Total energy goods inputs to stage 1 intermediate demand.....	04/10	ID5	9115	125.961	129.972	129.518	122.877	124.846
Total goods less foods and energy inputs to stage 1 intermediate demand.....	04/10	ID5	9116	126.915	127.204	127.180	127.133	127.676

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

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

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

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

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

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

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

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

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"/" Data not available.