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PRODUCER PRICE INDEXES – DECEMBER 2024

The Producer Price Index for final demand advanced 0.2 percent in December, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. Final demand prices rose 0.4 percent in November and 0.2 percent in October. (See table A.) On an unadjusted basis, the index for final demand increased 3.3 percent in 2024 after moving up 1.1 percent in 2023.

The December rise in prices for final demand can be traced to a 0.6-percent advance in the index for final demand goods. Prices for final demand services were unchanged.

The index for final demand less foods, energy, and trade services edged up 0.1 percent in December, the same as in November. Prices for final demand less foods, energy, and trade services rose 3.3 percent in 2024 after advancing 2.7 percent in 2023.

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

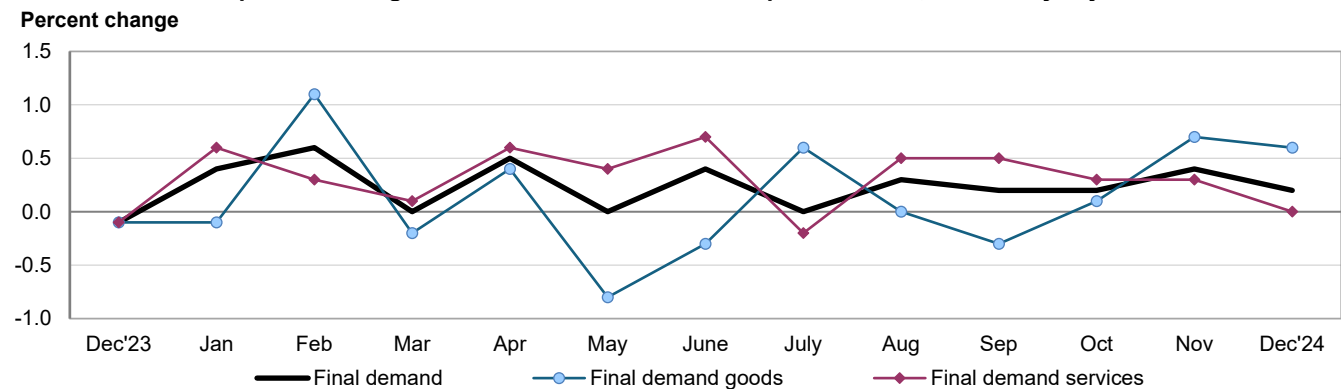
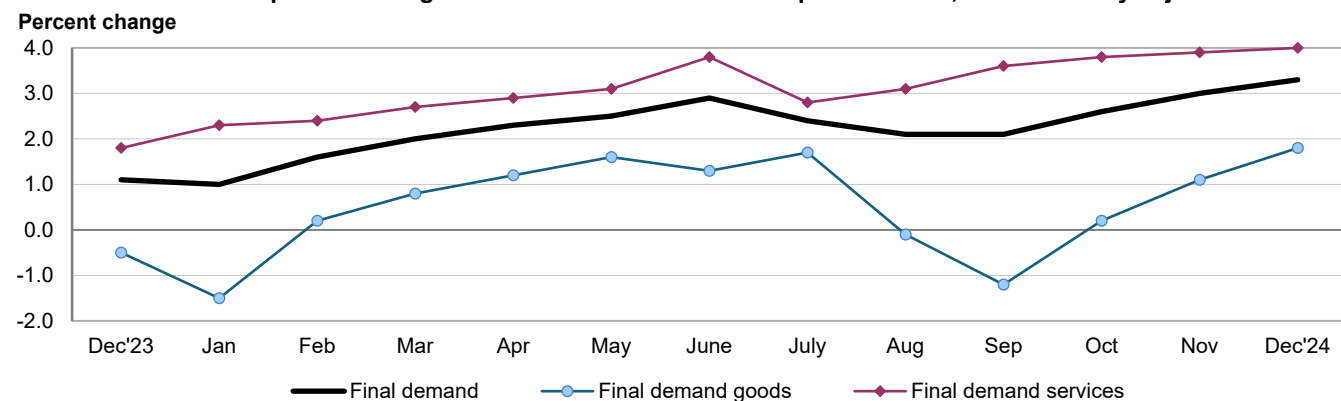


Chart 2. Twelve-month percent changes in selected PPI final demand price indexes, not seasonally adjusted



Final Demand

Final demand goods: The index for final demand goods rose 0.6 percent in December, the third consecutive advance. The December increase in prices for final demand goods is attributable to a 3.5-percent jump in the index for final demand energy. In contrast, prices for final demand foods edged down 0.1 percent, while the index for final demand goods less foods and energy was unchanged.

Product detail: Leading the December increase in prices for final demand goods, the index for gasoline advanced 9.7 percent. Prices for residential electric power, meats, motor vehicles, gas fuels, and fresh fruits and melons also rose. Conversely, the index for fresh and dry vegetables declined 14.7 percent. Prices for carbon steel scrap and for residual fuels also fell. (See table 2.)

Final demand services: In December, the index for final demand services was unchanged after rising 0.3 percent in November. In December, a 2.2-percent advance in prices for final demand transportation and warehousing services offset declines in the indexes for final demand services less trade, transportation, and warehousing and for final demand trade services, which fell 0.2 percent and 0.1 percent, respectively. (Trade indexes measure changes in margins received by wholesalers and retailers.)

Product detail: Within the index for final demand services in December, prices for transportation of passengers (partial) jumped 7.2 percent. The indexes for deposit services (partial), automotive fuels and lubricants retailing, food retailing, and chemicals and allied products wholesaling also advanced. In contrast, prices for traveler accommodation services fell 6.9 percent. The indexes for machinery and vehicle wholesaling, loan services (partial), food wholesaling, and furniture retailing also decreased.

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

Month	Total final demand	Final demand less foods, energy, and trade	Final demand goods				Final demand services				Change in final demand from 12 months ago (unadj.)	Change in final demand less foods, energy, and trade from 12 mo. ago (unadj.)
			Total	Foods	Energy	Less foods and energy	Total	Trade	Transportation and warehousing	Other		
2023												
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
2024												
Jan. ...	0.4	0.6	-0.1	-0.3	-1.1	0.3	0.6	0.1	-0.2	0.9	1.0	2.7
Feb....	0.6	0.4	1.1	1.0	3.9	0.3	0.3	0.3	1.2	0.3	1.6	2.8
Mar....	0.0	0.2	-0.2	0.3	-1.2	0.0	0.1	-0.4	0.2	0.3	2.0	2.9
Apr....	0.5	0.5	0.4	-0.8	1.8	0.3	0.6	0.5	-0.5	0.7	2.3	3.2
May. ...	0.0	0.2	-0.8	-0.1	-4.6	0.2	0.4	0.8	-0.8	0.3	2.5	3.4
June...	0.4	0.2	-0.3	0.1	-2.0	0.1	0.7	1.9	-0.1	0.3	2.9	3.4
July....	0.0	0.4	0.6	0.6	1.7	0.2	-0.2	-1.9	1.2	0.4	2.4	3.5
Aug. ¹ ..	0.3	0.2	0.0	0.3	-1.0	0.2	0.5	1.1	-0.8	0.4	2.1	3.5
Sept. ¹ ..	0.2	0.1	-0.3	0.8	-2.9	0.1	0.5	1.3	0.0	0.1	2.1	3.3
Oct. ¹ ...	0.2	0.3	0.1	-0.1	0.4	0.1	0.3	0.0	0.4	0.4	2.6	3.5
Nov. ¹ ..	0.4	0.1	0.7	2.9	0.0	0.2	0.3	0.7	-0.6	0.2	3.0	3.5
Dec....	0.2	0.1	0.6	-0.1	3.5	0.0	0.0	-0.1	2.2	-0.2	3.3	3.3

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

Intermediate Demand by Commodity Type

Within intermediate demand in December, the index for processed goods increased 0.3 percent, prices for unprocessed goods jumped 3.2 percent, and the index for services rose 0.4 percent. (See tables B and C.)

Processed goods for intermediate demand: Prices for processed goods for intermediate demand advanced 0.3 percent in December following no change in November. Leading the increase, the index for processed energy goods moved up 1.6 percent. Prices for processed foods and feeds rose 0.4 percent, while the index for processed materials less foods and energy was unchanged. Prices for processed goods for intermediate demand advanced 0.2 percent in 2024 after falling 2.8 percent in 2023.

Product detail: Nearly two-thirds of the December rise in the index for processed goods for intermediate demand can be traced to a 9.7-percent increase in prices for gasoline. The indexes for electric power, utility natural gas, sugar and confectionery products, meats, and primary basic organic chemicals also advanced. Conversely, prices for diesel fuel declined 1.3 percent. The indexes for canned, cooked, smoked, or prepared poultry and for cold rolled steel sheet and strip also moved down.

Unprocessed goods for intermediate demand: Prices for unprocessed goods for intermediate demand moved up 3.2 percent in December, the largest advance since rising 4.6 percent in August 2022. Leading the December increase, the index for unprocessed energy materials jumped 10.0 percent. Prices for unprocessed foodstuffs and feedstuffs advanced 0.2 percent. In contrast, the index for unprocessed nonfood materials less energy fell 1.8 percent. Prices for unprocessed goods for intermediate demand rose 5.1 percent in 2024 after dropping 18.7 percent in 2023.

Product detail: Leading the December increase in the index for unprocessed goods for intermediate demand, prices for natural gas jumped 57.7 percent. The indexes for slaughter steers and heifers, hay and hayseeds, ungraded chicken eggs, corn, and copper base scrap also rose. Conversely, prices for carbon steel scrap dropped 11.7 percent. The indexes for raw milk and for slaughter chickens 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.)
2023										
Dec.....	-0.4	0.1	-2.9	0.2	-2.8	-4.1	-3.3	-7.6	0.3	-18.7
2024										
Jan.....	-0.1	-1.7	-1.0	0.3	-3.7	1.6	-1.5	6.4	-1.3	-13.5
Feb.....	1.4	0.3	5.5	0.5	-2.0	-0.3	1.6	-1.1	-1.7	-9.3
Mar.....	-0.6	0.2	-1.0	-0.5	-1.8	-1.4	1.6	-5.4	0.5	-6.3
Apr.....	0.5	-0.3	1.8	0.3	-0.6	2.1	-0.6	6.0	0.5	-5.0
May.....	-1.4	0.4	-7.5	0.1	-0.6	0.0	2.8	-3.9	1.9	-0.1
June.....	-0.1	0.7	-0.7	0.0	-0.2	0.6	-1.2	3.1	-0.5	1.7
July.....	0.6	1.5	2.4	0.1	0.8	2.0	1.9	3.2	0.4	1.4
Aug. ¹	-0.1	-0.2	-0.9	0.1	-1.3	-3.3	-1.3	-6.7	-1.0	-3.9
Sept. ¹	-0.9	0.8	-4.6	-0.1	-2.7	-1.6	3.9	-9.6	1.8	-8.2
Oct. ¹	0.4	0.0	1.5	0.2	-1.4	2.4	-1.1	7.2	1.4	-4.3
Nov. ¹	0.0	0.8	-1.2	0.2	-0.6	0.1	2.7	-3.0	0.6	-2.3
Dec.....	0.3	0.4	1.6	0.0	0.2	3.2	0.2	10.0	-1.8	5.1

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Services for intermediate demand: The index for services for intermediate demand increased 0.4 percent in December, the largest rise since moving up 0.4 percent in June. Over 60 percent of the broad-based advance in December is attributable to prices for services less trade, transportation, and warehousing for intermediate demand, which climbed 0.4 percent. The indexes for transportation and warehousing services for intermediate demand and for trade services for intermediate demand increased 0.9 percent and 0.1 percent, respectively. In 2024, prices for services for intermediate demand rose 3.0 percent following a 3.7-percent advance in 2023.

Product detail: Over one-third of the December increase in the index for services for intermediate demand can be traced to a 7.0-percent jump in prices for gross rents for retail properties. The indexes for deposit services (partial); transportation of passengers (partial); investment banking; courier, messenger, and U.S. postal services; and chemicals and allied products wholesaling also moved higher. In contrast, margins for food wholesaling fell 2.0 percent. The indexes for traveler accommodation services and for broadcast and network television advertising time sales also declined.

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

Month	Services for intermediate demand				Total, change from 12 months ago (unadj.)
	Total	Trade	Transportation and warehousing	Other	
2023					
Dec.....	0.5	-0.3	1.0	0.6	3.7
2024					
Jan.....	0.9	1.1	-0.1	1.0	3.6
Feb.....	0.0	-1.7	1.0	0.3	3.3
Mar.....	0.2	0.1	0.0	0.3	3.8
Apr.....	0.2	-0.4	0.4	0.4	3.4
May.....	0.3	0.6	0.5	0.2	3.5
June.....	0.4	0.8	-0.3	0.5	4.0
July.....	0.3	0.4	0.7	0.2	3.6
Aug. ¹	0.1	0.2	-0.2	0.1	3.8
Sept. ¹	0.2	0.3	0.1	0.2	3.7
Oct. ¹	0.1	0.3	0.4	0.0	3.8
Nov. ¹	-0.3	0.1	0.2	-0.5	3.0
Dec.....	0.4	0.1	0.9	0.4	3.0

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Intermediate Demand by Production Flow

Stage 4 intermediate demand: The index for stage 4 intermediate demand advanced 0.4 percent in December, the largest rise since moving up 0.5 percent in July. In December, prices for total services inputs to stage 4 intermediate demand climbed 0.5 percent, and the index for total goods inputs increased 0.4 percent. (See table D.) Advances in prices for gross rents for retail properties, gasoline, investment banking, transportation of passengers (partial), electric power, and deposit services (partial) outweighed decreases in the indexes for food wholesaling; canned, cooked, smoked, or prepared poultry; and natural cheese (except cottage cheese). In 2024, prices for stage 4 intermediate demand rose 2.5 percent after moving up 2.1 percent in 2023.

Stage 3 intermediate demand: The index for stage 3 intermediate demand increased 0.3 percent in December, the largest rise since jumping 0.7 percent in July. In December, prices for total services inputs to stage 3 intermediate demand advanced 0.4 percent, and the index for total goods inputs edged up 0.1 percent. Higher prices for courier, messenger, and U.S. postal services; slaughter steers and heifers; gasoline; gross rents for retail properties; asphalt; and ungraded chicken eggs outweighed declines in the indexes for raw milk, slaughter chickens, and food wholesaling. In 2024, prices for stage 3 intermediate demand increased 1.8 percent following a 2.3-percent decrease in 2023.

Stage 2 intermediate demand: Prices for stage 2 intermediate demand rose 1.5 percent in December, the largest advance since increasing 1.9 percent in July 2023. In December, the index for total goods inputs to stage 2 intermediate demand jumped 3.4 percent, and prices for total services inputs moved up 0.3 percent. Advances in the indexes for gas fuels, deposit services (partial), crude petroleum, automotive fuels and lubricants retailing, transportation of passengers (partial), and legal services outweighed declines in the indexes for carbon steel scrap, food wholesaling, and traveler accommodation services. In 2024, prices for stage 2 intermediate demand rose 2.3 percent after falling 5.0 percent in 2023.

Stage 1 intermediate demand: The index for stage 1 intermediate demand increased 0.2 percent in December after inching down 0.1 percent in November. In December, prices for total services inputs to stage 1 intermediate demand rose 0.5 percent, while the index for total goods inputs was unchanged. Higher prices for gross rents for retail properties, transportation of passengers (partial), gasoline, investment banking, electric power, and utility natural gas outweighed decreases in the indexes for traveler accommodation services, carbon steel scrap, and diesel fuel. In 2024, prices for stage 1 intermediate demand advanced 0.9 percent following a 0.2-percent decline in 2023.

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
2023												
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
2024												
Jan.....	0.6	-0.1	1.2	0.3	0.0	0.6	1.2	1.7	0.8	0.4	-0.2	1.0
Feb.....	0.1	0.5	-0.2	1.0	2.5	-0.2	0.1	-0.7	0.7	0.4	1.3	-0.5
Mar.....	0.1	-0.3	0.4	-0.1	-0.3	0.0	-0.9	-2.5	0.1	-0.3	-0.9	0.3
Apr.....	0.4	0.4	0.3	0.2	0.2	0.1	1.3	2.8	0.2	0.3	0.5	0.1
May.....	-0.1	-0.3	0.0	-0.3	-1.2	0.5	-0.2	-1.2	0.5	-0.7	-1.5	0.2
June.....	0.1	-0.1	0.3	-0.1	-0.3	0.1	0.8	1.2	0.5	0.2	-0.2	0.5
July.....	0.5	0.1	0.8	0.7	1.2	0.3	0.5	1.5	-0.1	0.6	0.7	0.5
Aug. ¹	0.0	0.0	0.1	-0.3	-0.5	-0.2	-1.1	-3.0	0.2	0.1	-0.1	0.2
Sept. ¹	0.0	0.1	0.0	-0.1	-0.5	0.3	-1.1	-3.7	0.6	-0.5	-1.0	0.0
Oct. ¹	0.3	0.2	0.4	0.2	0.1	0.2	1.2	3.2	-0.1	0.2	0.3	0.1
Nov. ¹	0.0	0.4	-0.3	0.1	0.5	-0.3	-0.9	-1.4	-0.6	-0.1	0.0	-0.3
Dec.....	0.4	0.4	0.5	0.3	0.1	0.4	1.5	3.4	0.3	0.2	0.0	0.5

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The Producer Price Index for January 2025 is scheduled to be released on Thursday, February 13, 2025, at 8:30 a.m. (ET).

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/.

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 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.

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/.

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
	SIC	
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
SIC		
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
NAICS		
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
NAICS		
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.

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.

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). 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/ 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> /pub/time.series/pc
Industry Data - Discontinued (NAICS basis)	/pub/time.series/nd
(SIC basis)	/pub/time.series/pd
Commodity Data (incl. FD-ID)	/pub/time.series/wp
Commodity Data – Discontinued	/pub/time.series/wd
Special requests	/pub/special.requests/ppi

Additional information

The PPI homepage (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. 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
 [December 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² Dec. 2023 to Dec. 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			July to Aug.	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Final Demand									
Final demand.....	FD	4	100.000	3.3	0.3	0.2	0.2	0.4	0.2
Final demand goods.....	FD	41	30.162	1.8	0.0	-0.3	0.1	0.7	0.6
Final demand foods.....	FD	411	5.633	4.7	0.3	0.8	-0.1	2.9	-0.1
Finished consumer foods ³	FD	4111	4.307	6.4	0.8	0.6	-0.4	3.4	-0.2
Finished consumer foods, crude.....	FD	41113	0.351	37.6	12.0	-0.8	-5.2	31.3	-3.8
Finished consumer foods, processed.....	FD	41112	3.956	3.6	-0.2	0.8	0.1	0.8	0.2
Government purchased foods.....	FD	4112	0.410	3.7	-0.6	0.9	0.6	0.8	0.1
Foods for export.....	FD	4113	0.916	-2.7	-1.9	1.4	1.1	1.9	0.0
Final demand energy.....	FD	412	5.517	-2.0	-1.0	-2.9	0.4	0.0	3.5
Finished consumer energy goods ³	FD	4121	4.292	-0.4	-0.5	-2.2	0.1	0.2	4.2
Government purchased energy.....	FD	4122	0.834	-7.1	-2.5	-5.8	1.5	-0.7	1.4
Energy for export.....	FD	4123	0.391	-8.1	-3.2	-5.8	0.6	-0.7	0.3
Final demand goods less foods and energy.....	FD	413	19.012	2.1	0.2	0.1	0.1	0.2	0.0
Finished goods less foods and energy ³	FD	4131	10.933	2.6	0.3	0.2	0.1	0.2	0.2
Finished consumer goods less foods and energy.....	FD	41311	5.811	2.4	0.4	0.2	0.1	0.3	0.1
Nondurable consumer goods less foods and energy.....	FD	413111	3.522	2.9	0.6	0.2	0.1	0.4	0.1
Durable consumer goods.....	FD	413112	2.289	1.6	0.1	0.3	0.0	0.1	0.2
Private capital equipment.....	FD	41312	5.122	2.8	0.2	0.2	0.1	0.2	0.2
Private capital equipment for manufacturing industries.....	FD	413121	1.254	3.7	0.3	0.1	0.2	0.2	0.2
Private capital equipment for nonmanufacturing industries.....	FD	413122	3.868	2.5	0.2	0.3	0.1	0.2	0.2
Government purchased goods, excluding foods and energy.....	FD	4132	1.971	2.1	0.1	0.2	0.0	0.1	0.1
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.146	1.8	0.2	0.1	-0.2	0.1	0.1
Government purchased capital equipment.....	FD	41322	0.825	2.6	0.1	0.2	0.1	0.2	0.1
Goods for export, excluding foods and energy.....	FD	4133	6.108	1.3	-0.1	0.0	0.3	0.1	-0.2
Final demand services.....	FD	42	67.184	4.0	0.5	0.5	0.3	0.3	0.0
Final demand trade services ⁴	FD	423	19.195	4.4	1.1	1.3	0.0	0.7	-0.1
Trade of finished goods ³	FD	4231	16.558	3.8	1.0	1.3	-0.1	0.6	0.0
Trade of personal consumption goods.....	FD	42311	13.605	2.0	0.3	1.0	-0.5	0.2	0.4
Trade of private capital equipment.....	FD	42312	2.953	12.2	4.2	2.5	1.3	2.2	-1.4
Trade of government purchased goods.....	FD	4232	0.745	8.6	1.6	1.6	0.8	1.4	-0.7
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.474	3.6	-0.6	0.3	0.5	0.3	0.1
Trade of government purchased capital equipment.....	FD	42322	0.271	17.5	5.3	3.8	1.3	3.1	-1.9
Trade of exports.....	FD	4233	1.892	8.2	1.8	1.2	0.9	1.3	-0.6
Final demand transportation and warehousing services.....	FD	422	4.931	2.1	-0.8	0.0	0.4	-0.6	2.2
Transportation of passengers for final demand.....	FD	4221	1.271	5.0	-0.8	1.1	2.4	-1.5	7.2
Transportation of private passengers.....	FD	42211	0.857	5.0	-0.8	1.1	2.4	-1.5	7.2
Transportation of government passengers.....	FD	42212	0.103	4.9	-0.8	1.1	2.4	-1.5	7.1
Transportation of passengers for export.....	FD	42213	0.311	5.0	-0.8	1.1	2.4	-1.6	7.2
Transportation and warehousing of goods for final demand.....	FD	4222	3.660	1.1	-0.8	-0.3	-0.3	-0.3	0.5
Transportation and warehousing of finished goods ³	FD	42221	2.368	0.8	-0.9	-0.4	-0.3	-0.4	0.5
Transportation and warehousing of personal consumption goods.....	FD	422211	1.908	0.9	-0.8	-0.4	-0.3	-0.4	0.5
Transportation and warehousing of private capital equipment.....	FD	422212	0.460	0.1	-1.2	-0.4	-0.4	-0.6	0.4
Transportation and warehousing of government purchased goods.....	FD	42222	0.220	1.4	-0.4	-0.3	-0.1	-0.3	0.3
Transportation and warehousing of exports.....	FD	42223	1.072	1.7	-0.8	-0.2	-0.2	-0.1	0.7
Final demand services less trade, transportation, and warehousing.....	FD	421	43.059	4.1	0.4	0.1	0.4	0.2	-0.2
Finished services less trade, transportation, and warehousing ³	FD	4211	37.528	3.9	0.4	0.1	0.4	0.2	-0.2
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	33.067	4.0	0.5	0.1	0.4	0.2	-0.2
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	4.461	3.2	-0.1	0.3	0.1	0.3	-0.1
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.810	4.3	0.1	0.2	0.4	-0.1	0.1
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.647	4.3	0.2	0.2	0.4	-0.1	0.1
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.163	5.5	-0.7	0.5	0.6	0.3	-0.5
Services for export less trade, transportation, and warehousing.....	FD	4213	2.721	6.2	0.2	0.0	0.0	0.3	0.1
Final demand construction.....	FD	43	2.654	1.7	0.0	0.1	-0.2	0.0	0.2
Construction for private capital investment.....	FD	431	1.844	1.5	0.0	0.1	-0.2	0.0	0.2
Construction for government.....	FD	432	0.810	2.3	0.0	0.1	-0.1	0.0	0.1
Special Groupings of Final Demand									
Final demand less exports.....	FD	49101	86.589	3.4	0.4	0.2	0.2	0.4	0.2
Final demand less government.....	FD	49102	92.097	3.4	0.4	0.3	0.2	0.4	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
[December 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² Dec. 2023 to Dec. 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			July to Aug.	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy ⁵	FD	49103	88.421	3.6	0.4	0.4	0.2	0.2	0.0
Final demand less foods and energy ⁵	FD	49104	88.850	3.5	0.4	0.4	0.2	0.2	0.0
Final demand less foods and food and nonalcoholic beverages for immediate consumption ⁵	FD	49105	93.938	3.2	0.3	0.2	0.2	0.2	0.3
Final demand less foods ⁵	FD	49106	94.367	3.2	0.3	0.2	0.2	0.2	0.2
Final demand less energy.....	FD	49107	94.483	3.6	0.4	0.4	0.2	0.4	0.0
Final demand less trade services.....	FD	49108	80.805	3.0	0.1	0.0	0.3	0.3	0.3
Final demand less distributive services ⁶	FD	49109	77.145	3.1	0.2	0.0	0.3	0.3	0.3
Final demand goods less energy.....	FD	49111	24.645	2.7	0.2	0.3	0.1	0.8	0.0
Final demand goods less foods.....	FD	49112	24.529	1.2	-0.1	-0.6	0.2	0.2	0.8
Final demand services less trade services.....	FD	49113	47.990	3.9	0.2	0.1	0.4	0.1	0.1
Final demand distributive services ⁶	FD	49114	22.855	3.9	0.8	1.1	0.0	0.5	0.0
Final demand goods plus final demand distributive services ⁶	FD	49115	53.017	2.7	0.3	0.3	0.1	0.6	0.4
Final demand less foods, energy, and trade services ⁵	FD	49116	69.655	3.3	0.2	0.1	0.3	0.1	0.1
Private and government purchased capital equipment.....	FD	49117	5.947	2.8	0.2	0.2	0.1	0.2	0.2
Private and government purchased capital investment services.....	FD	49118	8.308	6.7	1.6	1.2	0.6	1.0	-0.6
Total private and government purchased capital investment.....	FD	49119	14.255	4.5	0.8	0.7	0.3	0.6	-0.2
Total finished ³	FD	49201	78.687	3.5	0.4	0.3	0.2	0.4	0.2
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{3, 5}	FD	49202	69.663	3.5	0.5	0.4	0.2	0.2	0.0
Total finished less foods and energy ^{3, 5}	FD	49203	70.088	3.5	0.5	0.4	0.2	0.2	0.0
Total finished less foods and food and nonalcoholic beverages for immediate consumption ^{3, 5}	FD	49204	73.955	3.3	0.4	0.3	0.2	0.2	0.3
Total finished less foods ^{3, 5}	FD	49205	74.380	3.3	0.4	0.3	0.2	0.2	0.3
Total finished less energy ³	FD	49206	74.395	3.7	0.5	0.4	0.2	0.4	0.0
Finished goods ³	FD	49207	19.532	2.8	0.2	-0.2	0.0	0.9	1.0
Finished goods less energy ³	FD	49208	15.240	3.7	0.4	0.3	0.0	1.1	0.1
Finished goods, excluding foods ^{3, 5}	FD	49209	15.225	1.7	0.1	-0.5	0.1	0.2	1.3
Finished services ³	FD	49210	57.311	3.8	0.5	0.5	0.2	0.2	0.0
Private capital investment services.....	FD	49211	7.874	6.4	1.5	1.1	0.5	1.0	-0.6
Finished distributive services ^{3, 6}	FD	49212	18.926	3.4	0.8	1.1	-0.2	0.5	0.1
Finished services less trade services ³	FD	49213	40.753	3.7	0.3	0.1	0.4	0.1	0.0
Finished services less distributive services ^{3, 6}	FD	49214	38.385	3.9	0.4	0.1	0.4	0.1	0.0
Total private capital investment (goods, services, and construction).....	FD	49215	14.840	4.5	0.9	0.7	0.3	0.6	-0.2
Finished goods plus finished distributive services ^{3, 6}	FD	49216	38.458	3.1	0.5	0.4	-0.1	0.7	0.5
Total exports.....	FD	49301	13.411	2.8	0.0	0.1	0.4	0.4	0.1
Goods for export.....	FD	49302	7.415	0.3	-0.5	-0.1	0.4	0.3	-0.2
Services for export.....	FD	49303	5.996	5.9	0.4	0.4	0.4	0.5	0.3
Total government purchases.....	FD	49401	7.903	2.7	-0.1	-0.2	0.4	0.1	0.2
Government purchased goods.....	FD	49402	3.215	-0.1	-0.7	-1.3	0.4	0.0	0.4
Government purchased services.....	FD	49403	3.878	5.0	0.4	0.5	0.5	0.2	0.1
Total government purchased capital investment (goods, services, construction).....	FD	49404	2.069	4.6	0.7	0.7	0.3	0.6	-0.3
Government purchases, defense.....	FD	49405	2.356	2.2	-0.4	-0.1	0.4	0.3	0.1
Government purchases, non-defense.....	FD	49406	5.547	2.9	0.1	-0.3	0.4	0.0	0.3
Personal consumption.....	FD	49501	63.847	3.2	0.3	0.2	0.1	0.4	0.3
Personal consumption goods (finished consumer goods).....	FD	49502	14.410	2.8	0.2	-0.4	0.0	1.2	1.2
Personal consumption goods less energy.....	FD	49503	10.118	4.1	0.6	0.4	-0.1	1.6	0.0
Personal consumption goods less foods.....	FD	49504	10.103	1.2	0.0	-0.8	0.1	0.3	1.9
Personal consumption nondurable goods less foods.....	FD	49508	7.814	1.1	-0.1	-1.1	0.1	0.3	2.3
Personal consumption services.....	FD	49505	49.437	3.3	0.3	0.4	0.2	0.1	0.1
Personal consumption less trade services.....	FD	49506	50.242	3.5	0.3	0.0	0.3	0.4	0.3
Personal consumption less distributive services ⁶	FD	49507	48.334	3.6	0.4	0.0	0.3	0.4	0.3
Personal consumption less foods and energy.....	FD	49510	55.248	3.2	0.3	0.3	0.2	0.1	0.1
Personal consumption less foods, energy, and trade services ⁴	FD	49511	41.643	3.7	0.4	0.1	0.4	0.1	0.0
Personal consumption less foods, energy, and distributive services ⁶	FD	49512	39.735	3.8	0.4	0.1	0.4	0.1	0.0
Personal consumption goods plus personal consumption distributive services ⁶	FD	49509	29.923	2.3	0.2	0.3	-0.3	0.7	0.8
Intermediate Demand by Commodity Type									
Processed goods									
Processed goods for intermediate demand.....	ID6	1	100.000	0.2	-0.1	-0.9	0.4	0.0	0.3
Materials and components for manufacturing.....	ID6	11	43.169	1.2	-0.1	-0.2	0.1	0.3	0.0
Materials for manufacturing.....	ID6	111	26.499	0.9	-0.4	-0.3	0.2	0.4	-0.1
Materials for food manufacturing.....	ID6	1111	4.375	5.9	0.1	0.8	-0.5	1.3	0.7
Materials for nondurable manufacturing.....	ID6	1112	11.774	0.8	0.1	-0.8	-0.3	-0.5	0.3
Materials for durable manufacturing.....	ID6	1113	10.350	-1.1	-1.2	-0.1	1.0	1.0	-0.9
Components for manufacturing.....	ID6	112	16.670	1.6	0.3	0.0	0.1	0.2	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
[December 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² Dec. 2023 to Dec. 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			July to Aug.	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Components for nondurable manufacturing.....	ID6	1121	0.804	1.9	0.5	-0.1	0.1	0.0	0.0
Components for durable manufacturing.....	ID6	1122	15.866	1.6	0.3	0.0	0.1	0.2	0.0
Materials and components for construction.....	ID6	12	10.782	1.1	0.3	0.0	0.4	0.3	0.2
Materials for construction.....	ID6	121	4.753	2.3	0.0	0.2	0.6	0.5	0.3
Components for construction.....	ID6	122	6.029	0.2	0.6	-0.1	0.2	0.2	0.0
Processed fuels and lubricants for intermediate demand.....	ID6	13	18.656	-4.7	-0.9	-4.6	1.5	-1.2	1.6
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.711	-4.8	-0.3	-3.1	1.9	-2.0	1.1
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	13.945	-4.6	-1.0	-5.2	1.4	-0.9	1.8
Containers for intermediate demand.....	ID6	14	3.090	2.9	0.5	0.4	0.5	0.1	0.2
Supplies for intermediate demand.....	ID6	15	24.303	1.3	0.1	0.2	0.1	0.2	0.1
Supplies to manufacturing industries.....	ID6	151	3.234	2.6	0.1	0.2	0.2	0.4	0.0
Supplies to nonmanufacturing industries.....	ID6	152	21.069	1.1	0.1	0.2	0.1	0.2	0.1
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	2.208	-6.0	-0.9	0.3	1.0	-0.7	0.1
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	18.861	1.9	0.2	0.2	0.0	0.3	0.1
Unprocessed goods									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	5.1	-3.3	-1.6	2.4	0.1	3.2
Unprocessed foodstuffs and feedstuffs.....	ID6	21	37.665	8.9	-1.3	3.9	-1.1	2.7	0.2
Unprocessed nonfood materials.....	ID6	22	62.334	2.8	-4.6	-5.1	4.8	-1.5	5.2
Unprocessed nonfood materials except fuel.....	ID6	221	51.132	-0.1	-3.0	-6.2	3.6	-1.3	-0.6
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	48.525	-0.5	-3.2	-6.5	3.7	-1.4	-0.7
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	2.607	7.2	0.9	0.5	0.5	0.5	0.2
Unprocessed fuel.....	ID6	222	11.202	15.9	-13.6	1.9	12.0	-2.8	37.1
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.016	3.9	-2.9	-1.0	5.1	-2.3	7.2
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	10.186	17.1	-14.9	2.3	12.9	-2.9	40.6
Services									
Services for intermediate demand.....	ID6	3	100.000	3.0	0.1	0.2	0.1	-0.3	0.4
Trade services for intermediate demand ⁶	ID6	33	18.284	1.9	0.2	0.3	0.3	0.1	0.1
Trade services for manufacturing industries.....	ID6	331	9.046	1.4	0.1	0.2	0.8	-0.1	0.0
Trade services for nonmanufacturing industries.....	ID6	332	9.238	2.3	0.2	0.4	-0.1	0.3	0.3
Transportation and warehousing services for intermediate demand.....	ID6	32	14.025	3.6	-0.2	0.1	0.4	0.2	0.9
Transportation of passengers for intermediate demand.....	ID6	321	1.039	4.9	-0.8	1.1	2.4	-1.5	7.1
Transportation of passengers for manufacturing industries.....	ID6	3211	0.124	5.0	-0.8	1.1	2.4	-1.6	7.2
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.915	4.9	-0.8	1.0	2.4	-1.5	7.1
Transportation and warehousing of goods for intermediate demand.....	ID6	322	12.986	3.5	-0.2	0.1	0.2	0.3	0.5
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.724	1.0	-0.8	-0.1	-0.1	-0.2	0.3
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	10.262	4.2	0.0	0.1	0.3	0.4	0.5
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	67.691	3.1	0.1	0.2	0.0	-0.5	0.4
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.126	4.3	0.3	0.3	0.2	0.0	0.2
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	65.565	3.1	0.1	0.2	0.0	-0.5	0.4
Construction									
Construction for intermediate demand.....	ID6	4	100.000	4.7	0.2	0.0	0.0	0.1	0.1
Special Groupings of Intermediate Demand by Commodity Type									
Processed materials less foods and feeds.....	ID6	9111	91.107	-0.1	-0.1	-1.0	0.5	-0.1	0.3
Processed foods and feeds.....	ID6	9112	8.893	2.7	-0.2	0.8	0.0	0.8	0.4
Processed energy goods.....	ID6	9113	18.656	-4.7	-0.9	-4.6	1.5	-1.2	1.6
Processed materials less energy.....	ID6	9118	81.344	1.3	0.0	0.0	0.2	0.3	0.0
Processed materials less foods and energy.....	ID6	9115	72.451	1.1	0.1	-0.1	0.2	0.2	0.0
Intermediate distributive services ⁷	ID6	9116	31.270	2.5	0.0	0.2	0.3	0.2	0.3
Processed goods plus intermediate distributive services.....	ID6	9117	-	0.9	-0.1	-0.5	0.4	0.1	0.3
Unprocessed materials less agricultural products.....	ID6	9211	57.180	3.5	-4.9	-5.8	5.3	-2.1	5.4
Unprocessed energy materials ⁸	ID6	9212	37.534	4.1	-6.7	-9.6	7.2	-3.0	10.0
Unprocessed materials less energy.....	ID6	9213	62.466	5.6	-1.2	3.1	-0.1	1.9	-0.6
Unprocessed nonfood materials less energy ⁹	ID6	9216	24.801	0.6	-1.0	1.8	1.4	0.6	-1.8
Intermediate Demand by Production Flow									
Stage 4 Intermediate Demand									
Stage 4 intermediate demand.....	ID5	4	100.000	2.5	0.0	0.0	0.3	0.0	0.4
Inputs to stage 4 goods producers.....	ID5	41	29.667	1.7	0.0	0.2	0.3	0.4	0.2
Goods.....	ID5	411	21.624	1.4	-0.1	0.4	0.0	0.6	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
 [December 2024]

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² Dec. 2023 to Dec. 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			July to Aug.	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Foods.....	ID5	4111	2.954	2.5	-0.6	1.6	-0.3	3.0	1.4
Energy.....	ID5	4112	0.170	-6.6	1.5	2.7	-1.9	-1.0	1.9
Goods excluding foods and energy.....	ID5	4113	18.500	1.2	0.0	0.1	0.0	0.2	0.0
Services.....	ID5	412	8.043	2.7	0.2	-0.1	1.1	-0.1	-0.1
Trade services.....	ID5	4123	6.035	2.6	0.2	-0.2	1.4	-0.2	-0.2
Transportation and warehousing services.....	ID5	4122	4.092	1.5	-0.5	0.1	0.3	-0.5	1.3
Transportation of passengers.....	ID5	41221	0.076	5.0	-0.8	1.1	2.4	-1.6	7.2
Transportation and warehousing of goods.....	ID5	41222	0.416	0.8	-0.5	0.0	-0.1	-0.3	0.3
Services less trade, transportation, and warehousing.....	ID5	4121	1.516	3.3	0.2	0.2	0.2	0.2	0.2
Inputs to stage 4 services producers.....	ID5	42	55.647	3.4	0.0	0.0	0.3	-0.2	0.6
Goods.....	ID5	421	13.690	1.5	-0.2	0.0	0.4	0.0	0.4
Foods.....	ID5	4211	2.275	4.6	-0.7	1.8	0.2	1.8	-0.3
Energy.....	ID5	4212	4.008	-0.6	-0.6	-1.4	1.1	-1.1	1.3
Goods excluding foods and energy.....	ID5	4213	7.407	1.7	0.2	0.1	0.1	0.0	0.0
Services.....	ID5	422	41.904	4.1	0.1	0.0	0.2	-0.3	0.6
Trade services.....	ID5	4223	4.118	3.9	-0.1	0.1	0.7	0.3	0.1
Transportation and warehousing services.....	ID5	4222	3.751	4.9	0.7	0.1	0.7	0.1	1.3
Transportation of passengers.....	ID5	42221	0.484	5.0	-0.8	1.1	2.4	-1.5	7.2
Transportation and warehousing of goods.....	ID5	42222	3.267	4.8	0.9	0.0	0.4	0.3	0.5
Services less trade, transportation, and warehousing.....	ID5	4221	34.035	4.0	0.0	-0.1	0.1	-0.5	0.6
Construction.....	ID5	423	0.053	4.7	0.2	0.0	0.0	0.1	0.1
Inputs to stage 4 construction producers.....	ID5	43	14.686	0.7	0.2	-0.3	0.5	0.2	0.5
Goods.....	ID5	431	10.699	1.0	0.3	-0.4	0.6	0.4	0.7
Energy.....	ID5	4312	0.763	-5.2	0.3	-7.1	1.0	0.0	7.1
Goods excluding foods and energy.....	ID5	4313	9.936	1.5	0.3	0.1	0.5	0.4	0.2
Services.....	ID5	432	3.987	-0.3	0.0	0.1	0.2	-0.5	0.2
Trade services.....	ID5	4323	1.737	-2.4	0.2	0.0	0.6	-0.9	0.2
Transportation and warehousing services.....	ID5	4322	0.661	0.1	-1.1	-0.3	-0.3	-0.6	0.6
Transportation of passengers.....	ID5	43221	0.015	5.0	-0.8	1.1	2.4	-1.6	7.2
Transportation and warehousing of goods.....	ID5	43222	0.646	0.0	-1.1	-0.4	-0.4	-0.6	0.4
Services less trade, transportation, and warehousing.....	ID5	4321	1.589	1.8	0.2	0.3	-0.1	0.1	0.0
Stage 3 Intermediate Demand									
Stage 3 intermediate demand.....	ID5	3	100.000	1.8	-0.3	-0.1	0.2	0.1	0.3
Inputs to stage 3 goods producers.....	ID5	31	43.622	2.7	-0.2	0.7	-0.1	0.6	0.0
Goods.....	ID5	311	33.726	3.7	-0.2	0.8	-0.2	0.9	0.0
Foods.....	ID5	3111	10.039	12.2	0.6	3.7	-1.3	2.1	-0.6
Energy.....	ID5	3112	1.161	-6.3	-0.5	-6.1	2.0	0.8	5.2
Goods excluding foods and energy.....	ID5	3113	22.526	0.4	-0.6	-0.3	0.2	0.3	0.0
Services.....	ID5	312	9.896	-0.5	-0.2	0.4	0.2	-0.5	0.2
Trade services.....	ID5	3123	5.529	-1.9	0.1	0.7	0.5	-0.6	0.0
Transportation and warehousing services.....	ID5	3122	2.903	1.0	-0.9	-0.2	-0.2	-0.4	0.7
Transportation of passengers.....	ID5	31221	0.148	5.0	-0.8	1.1	2.4	-1.6	7.2
Transportation and warehousing of goods.....	ID5	31222	2.755	0.8	-0.9	-0.3	-0.3	-0.4	0.3
Services less trade, transportation, and warehousing.....	ID5	3121	1.464	2.0	0.0	0.5	0.0	-0.1	0.0
Inputs to stage 3 services producers.....	ID5	32	55.201	1.0	-0.4	-0.7	0.4	-0.3	0.4
Goods.....	ID5	321	9.933	-5.4	-1.4	-5.1	1.6	-0.9	0.5
Foods.....	ID5	3211	0.089	-2.8	-0.8	-0.9	-0.1	0.4	-0.4
Energy.....	ID5	3212	5.844	-10.5	-2.4	-8.8	2.6	-1.7	0.8
Goods excluding foods and energy.....	ID5	3213	4.000	2.0	0.1	0.0	0.2	0.1	0.0
Services.....	ID5	322	44.663	2.4	-0.2	0.3	0.2	-0.2	0.4
Trade services.....	ID5	3223	2.808	1.2	-0.9	0.7	0.0	0.1	0.5
Transportation and warehousing services.....	ID5	3222	10.562	5.1	0.0	0.3	0.3	0.7	0.5
Transportation of passengers.....	ID5	32221	0.021	0.3	0.0	0.1	0.1	0.0	0.5
Transportation and warehousing of goods.....	ID5	32222	10.541	5.1	0.0	0.3	0.3	0.7	0.5
Services less trade, transportation, and warehousing.....	ID5	3221	31.293	1.6	-0.3	0.3	0.2	-0.6	0.4
Construction.....	ID5	323	0.605	4.7	0.2	0.0	0.0	0.1	0.1
Inputs to stage 3 construction producers.....	ID5	33	1.176	0.8	0.5	0.4	-0.6	0.3	0.4
Goods.....	ID5	331	0.571	2.0	-0.2	0.5	0.0	0.5	0.3
Goods excluding foods and energy.....	ID5	3313	0.571	2.0	-0.2	0.5	0.0	0.5	0.3
Services.....	ID5	332	0.605	-0.4	1.2	0.2	-1.1	0.1	0.4
Trade services.....	ID5	3323	0.558	-0.5	1.3	0.2	-1.2	0.2	0.5
Transportation and warehousing services.....	ID5	3322	0.016	2.3	-0.1	0.4	0.2	0.2	0.2
Transportation and warehousing of goods.....	ID5	33222	0.016	2.3	0.0	0.4	0.2	0.2	0.2
Services less trade, transportation, and warehousing.....	ID5	3321	0.031	0.9	0.1	0.4	0.1	-0.6	-0.3
Stage 2 Intermediate Demand									

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² Dec. 2023 to Dec. 2024 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			July to Aug.	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Stage 2 intermediate demand.....	ID5	2	100.000	2.3	-1.1	-1.1	1.2	-0.9	1.5
Inputs to stage 2 goods producers.....	ID5	21	50.583	1.9	-2.5	-2.7	2.6	-1.1	2.7
Goods.....	ID5	211	35.955	1.3	-3.4	-4.1	3.7	-1.6	3.9
Foods.....	ID5	2111	4.053	-10.1	-2.6	0.9	2.9	-1.8	0.3
Energy.....	ID5	2112	16.236	3.9	-6.6	-9.4	7.4	-3.0	9.7
Goods excluding foods and energy.....	ID5	2113	15.666	1.6	-0.1	0.1	0.5	-0.2	-0.8
Services.....	ID5	212	14.340	3.2	-0.2	0.7	0.1	0.2	0.1
Trade services.....	ID5	2123	5.608	5.0	-0.2	1.3	-0.1	0.9	-0.5
Transportation and warehousing services.....	ID5	2122	4.804	2.0	-0.4	0.2	0.5	0.2	0.4
Transportation of passengers.....	ID5	21221	0.178	4.8	-0.7	1.0	2.3	-1.5	6.9
Transportation and warehousing of goods.....	ID5	21222	4.626	1.9	-0.4	0.2	0.4	0.3	0.2
Services less trade, transportation, and warehousing.....	ID5	2121	3.928	2.3	0.1	0.6	-0.2	-0.9	0.4
Construction.....	ID5	213	0.288	4.7	0.2	0.0	0.0	0.1	0.1
Inputs to stage 2 services producers.....	ID5	22	49.417	2.7	0.3	0.5	-0.1	-0.8	0.3
Goods.....	ID5	221	5.237	0.3	0.2	-0.4	0.1	-0.1	0.2
Foods.....	ID5	2211	0.050	3.1	0.6	0.5	2.5	-0.3	0.4
Energy.....	ID5	2212	0.321	-6.3	-1.2	-6.3	0.5	-1.3	3.2
Goods excluding foods and energy.....	ID5	2213	4.866	0.7	0.3	0.0	0.0	0.0	0.0
Services.....	ID5	222	43.217	3.0	0.3	0.6	-0.1	-0.9	0.3
Trade services.....	ID5	2223	2.365	5.9	3.8	0.2	-1.6	1.4	1.7
Transportation and warehousing services.....	ID5	2222	2.944	1.7	-2.4	0.1	0.6	0.1	1.0
Transportation of passengers.....	ID5	22221	0.414	5.0	-0.8	1.1	2.4	-1.5	7.2
Transportation and warehousing of goods.....	ID5	22222	2.530	1.2	-2.7	0.0	0.3	0.4	0.0
Services less trade, transportation, and warehousing.....	ID5	2221	37.908	2.9	0.3	0.7	-0.1	-1.1	0.2
Construction.....	ID5	223	0.963	4.7	0.2	0.0	0.0	0.1	0.1
Stage 1 Intermediate Demand									
Stage 1 intermediate demand.....	ID5	1	100.000	0.9	0.1	-0.5	0.2	-0.1	0.2
Inputs to stage 1 goods producers.....	ID5	11	32.332	-1.0	-0.3	-0.1	0.0	0.2	-0.1
Goods.....	ID5	111	23.262	-1.9	-0.6	-0.3	-0.1	0.3	-0.2
Foods.....	ID5	1111	2.768	-3.9	-1.6	1.4	-0.5	2.9	1.0
Energy.....	ID5	1112	3.428	-4.6	-1.0	-1.7	-0.6	-0.9	1.2
Goods excluding foods and energy.....	ID5	1113	17.066	-1.1	-0.4	-0.2	0.1	0.1	-0.7
Services.....	ID5	112	9.069	1.6	0.4	0.2	0.2	0.0	0.3
Trade services.....	ID5	1123	5.496	0.0	0.5	0.2	0.3	-0.2	0.3
Transportation and warehousing services.....	ID5	1122	0.607	4.3	-0.2	0.6	1.2	0.3	1.6
Transportation of passengers.....	ID5	11221	0.104	5.0	-0.8	1.1	2.4	-1.6	7.2
Transportation and warehousing of goods.....	ID5	11222	0.503	4.1	-0.1	0.5	0.9	0.6	0.5
Services less trade, transportation, and warehousing.....	ID5	1121	2.966	3.9	0.5	0.2	-0.2	0.2	0.0
Construction.....	ID5	113	0.001	4.7	0.2	0.0	0.0	0.1	0.1
Inputs to stage 1 services producers.....	ID5	12	54.779	2.1	0.2	-0.6	0.3	-0.3	0.4
Goods.....	ID5	121	16.052	-0.6	0.3	-2.0	0.6	-0.3	0.2
Foods.....	ID5	1211	0.064	31.1	16.8	-4.3	-13.2	8.4	7.3
Energy.....	ID5	1212	4.999	-6.0	-0.1	-6.3	1.9	-1.4	0.4
Goods excluding foods and energy.....	ID5	1213	10.989	1.6	0.4	0.0	0.1	0.1	0.0
Services.....	ID5	122	38.724	3.2	0.1	-0.1	0.1	-0.3	0.6
Trade services.....	ID5	1223	3.825	1.2	-0.2	0.3	0.2	0.1	0.4
Transportation and warehousing services.....	ID5	1222	4.432	5.4	0.8	0.3	0.9	-0.2	2.6
Transportation of passengers.....	ID5	12221	1.355	5.0	-0.8	1.1	2.4	-1.6	7.2
Transportation and warehousing of goods.....	ID5	12222	3.077	5.6	1.4	0.0	0.3	0.3	0.7
Services less trade, transportation, and warehousing.....	ID5	1221	30.467	3.2	0.1	-0.2	0.0	-0.4	0.3
Construction.....	ID5	123	0.003	4.7	0.2	0.0	0.0	0.1	0.1
Inputs to stage 1 construction producers.....	ID5	13	12.891	0.2	0.3	-0.7	0.3	0.0	0.2
Goods.....	ID5	131	9.196	0.5	0.3	-1.0	0.7	0.0	0.1
Energy.....	ID5	1312	0.752	-13.2	1.0	-12.7	4.5	-2.6	-1.5
Goods excluding foods and energy.....	ID5	1313	8.444	1.7	0.2	0.0	0.4	0.2	0.2
Services.....	ID5	132	3.695	-0.6	0.4	0.1	-0.7	-0.2	0.5
Trade services.....	ID5	1323	2.816	-1.0	0.9	0.3	-0.8	-0.1	0.5
Transportation and warehousing services.....	ID5	1322	0.783	0.0	-1.3	-0.5	-0.4	-0.6	0.5
Transportation and warehousing of goods.....	ID5	13222	0.783	0.0	-1.3	-0.5	-0.4	-0.6	0.5
Services less trade, transportation, and warehousing.....	ID5	1321	0.096	3.5	0.9	0.4	0.0	0.2	-0.1
Special Groupings of Intermediate Demand by Production Flow									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	46.013	1.3	0.0	0.1	0.2	0.4	0.4
Total services inputs to stage 4 intermediate demand.....	ID5	9412	53.934	3.5	0.1	0.0	0.4	-0.3	0.5
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.053	4.7	0.2	0.0	0.0	0.1	0.1
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.229	3.4	-0.7	1.7	-0.1	2.4	0.7

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 ¹	Unadjusted 12-month percent change ² Dec. 2023 to Dec. 2024 ^p	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			July to Aug.	Aug. to Sept. ^p	Sept. to Oct. ^p	Oct. to Nov. ^p	Nov. to Dec. ^p
Total energy goods inputs to stage 4 intermediate demand.....	ID5	9415	4.941	-1.6	-0.4	-2.1	1.0	-0.9	2.2
Total goods less foods and energy inputs to stage 4 intermediate demand.	ID5	9416	35.843	1.4	0.1	0.1	0.2	0.2	0.1
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	44.230	1.6	-0.5	-0.5	0.1	0.5	0.1
Total services inputs to stage 3 intermediate demand.....	ID5	9312	55.164	1.9	-0.2	0.3	0.2	-0.3	0.4
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.605	4.7	0.2	0.0	0.0	0.1	0.1
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	10.128	12.1	0.6	3.6	-1.3	2.1	-0.6
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	7.005	-9.8	-2.1	-8.4	2.5	-1.3	1.6
Total goods less foods and energy inputs to stage 3 intermediate demand.	ID5	9316	27.097	0.7	-0.5	-0.2	0.2	0.3	0.0
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	41.192	1.2	-3.0	-3.7	3.2	-1.4	3.4
Total services inputs to stage 2 intermediate demand.....	ID5	9212	57.557	3.1	0.2	0.6	-0.1	-0.6	0.3
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	1.251	4.7	0.2	0.0	0.0	0.1	0.1
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	4.103	-9.9	-2.5	0.9	2.9	-1.8	0.3
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	16.557	3.7	-6.5	-9.4	7.3	-3.0	9.6
Total goods less foods and energy inputs to stage 2 intermediate demand.	ID5	9216	20.532	1.4	0.0	0.1	0.4	-0.2	-0.6
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	48.510	-1.0	-0.1	-1.0	0.3	0.0	0.0
Total services inputs to stage 1 intermediate demand.....	ID5	9112	51.488	2.7	0.2	0.0	0.1	-0.3	0.5
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.004	4.7	0.2	0.0	0.0	0.1	0.1
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	2.832	-3.1	-1.1	1.2	-0.8	3.0	1.2
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	9.179	-6.1	-0.3	-5.1	1.2	-1.3	0.6
Total goods less foods and energy inputs to stage 1 intermediate demand.	ID5	9116	36.499	0.4	0.0	-0.1	0.2	0.1	-0.3

¹ 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.

² 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.

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

⁴ Trade indexes measure changes in margins received by wholesalers and retailers.

⁵ 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.

⁶ Distributive services include transportation, warehousing, and trade of goods.

⁷ Includes intermediate trade, transportation, and warehousing services.

⁸ Includes crude petroleum.

⁹ 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
 [December 2024]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		July to Aug.	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Final Demand								
Final demand.....	FD	4	3.3	0.3	0.2	0.2	0.4	0.2
Final demand goods.....	FD	41	1.8	0.0	-0.3	0.1	0.7	0.6
Final demand foods.....	FD	411	4.7	0.3	0.8	-0.1	2.9	-0.1
Fresh fruits and melons ²	01	11	17.3	-2.9	8.3	-3.3	21.8	5.0
Fresh and dry vegetables ²	01	13	21.3	2.5	-2.5	2.1	33.4	-14.7
Grains.....	01	2	-7.9	-1.2	4.5	-1.6	5.0	1.9
Eggs for fresh use ²	01	7107	127.9	55.1	-6.2	-22.0	55.6	0.5
Oilseeds.....	01	8301	-23.6	-6.6	1.6	5.1	-4.7	-1.5
Bakery products ²	02	11	0.6	0.1	-0.1	0.3	-0.2	0.1
Milled rice ²	02	13	-2.7	-0.3	-0.5	-0.5	-0.3	-1.3
Pasta products ²	02	1402	-3.1	0.0	-0.1	-0.6	0.0	0.0
Beef and veal.....	02	2101	6.2	-7.7	1.5	6.7	2.8	0.0
Pork.....	02	2104	0.1	-2.0	1.1	-0.8	2.9	5.8
Processed young chickens.....	02	2203	5.3	1.0	4.7	-4.0	2.3	1.0
Processed turkeys ²	02	2206	-0.1	-0.3	1.3	-0.5	-0.1	0.0
Finfish and shellfish.....	02	23	8.9	1.7	-0.1	1.5	6.8	-1.0
Dairy products ²	02	3	4.8	0.9	1.9	-0.8	-1.1	-1.8
Processed fruits and vegetables ²	02	4	1.1	-0.2	0.3	-0.1	-0.5	0.5
Confectionery end products ²	02	55	8.7	1.7	1.1	0.7	0.3	2.3
Soft drinks ²	02	62	5.5	0.8	-0.7	-0.9	1.0	0.4
Roasted coffee ²	02	6301	13.1	2.5	0.4	5.9	0.2	0.4
Shortening and cooking oils ²	02	78	0.5	-1.1	0.4	1.1	2.0	0.5
Frozen specialty food ²	02	85	0.0	0.6	0.0	-0.4	-0.4	0.0
Final demand energy.....	FD	412	-2.0	-1.0	-2.9	0.4	0.0	3.5
Liquefied petroleum gas ²	05	32	3.3	-3.7	-6.0	12.2	-3.2	4.2
Residential electric power.....	05	41	1.8	-0.9	1.4	-0.4	0.3	1.0
Residential natural gas.....	05	51	2.2	-1.1	0.5	0.5	0.6	0.7
Gasoline.....	05	71	-2.5	0.2	-5.3	-0.6	0.3	9.7
Home heating oil and distillates.....	05	7302	-12.6	-4.8	-7.5	-4.6	6.0	4.0
No. 2 diesel fuel.....	05	7303	-13.9	1.7	-16.8	6.7	-2.4	-1.3
Final demand goods less foods and energy.....	FD	413	2.1	0.2	0.1	0.1	0.2	0.0
Alcoholic beverages.....	02	61	0.1	0.0	-0.4	0.0	0.1	0.0
Pet food ²	02	9402	0.1	0.0	0.0	0.1	0.0	0.0
Women's, girls', and infants' apparel ²	03	8106	2.5	0.0	0.0	0.0	0.0	0.0
Men's and boys' apparel ²	03	8107	2.7	-0.3	-0.3	1.2	0.9	0.0
Textile housefurnishings ²	03	82	1.8	0.0	-0.2	0.4	0.2	0.0
Footwear ²	04	3	2.2	-0.1	0.0	0.5	0.0	0.0
Industrial chemicals.....	06	1	-1.3	0.2	-1.4	-1.5	-1.4	0.4
Pharmaceutical preparations.....	06	38	1.7	0.5	0.2	0.2	0.1	0.2
Soaps and detergents ²	06	71	0.3	-0.6	0.0	0.0	0.0	0.0
Cleaning and polishing products ²	06	72	0.9	0.1	0.0	0.0	0.0	0.0
Cosmetics and other toiletries ²	06	75	1.2	0.4	0.0	0.0	0.0	0.0
Tires ²	07	1201	-0.7	-0.1	0.1	-0.1	-0.2	0.0
Consumer, institutional, and commercial products, n.e.c. ²	07	2B	0.8	0.2	0.3	-0.3	0.0	0.0
Sanitary paper products ²	09	1501	2.2	0.0	1.0	0.2	0.1	1.2
Iron and steel scrap.....	10	12	-15.2	2.0	-0.1	6.0	1.6	-11.8
Agricultural machinery and equipment ²	11	1	1.1	-0.1	0.5	0.1	0.2	0.2
Construction machinery and equipment ²	11	2	0.7	-0.1	-0.1	0.1	0.2	-0.5
Metal cutting machine tools ²	11	37	1.3	0.0	0.0	0.1	0.0	0.7
Metal forming machine tools.....	11	38	2.4	0.2	-0.9	0.7	-0.4	0.6
Tools, dies, jigs, fixtures, and industrial molds ²	11	39	5.3	0.0	0.0	1.4	0.1	0.0
Pumps, compressors, and equipment ²	11	41	4.4	0.3	0.0	0.1	0.2	0.4
Industrial material handling equipment ²	11	44	4.2	0.0	0.1	0.3	0.0	0.1
Electronic computers and computer equipment ²	11	5	0.4	0.9	0.2	0.0	0.2	0.0
Textile machinery and equipment ²	11	62	0.0	0.0	0.0	0.0	0.0	0.0
Paper industries machinery ²	11	64	1.5	0.1	0.1	0.1	-0.4	0.1
Printing trades machinery and equipment ²	11	65	0.9	-0.1	0.5	0.2	0.8	-0.2
Transformers and power regulators ²	11	74	1.6	0.0	0.0	0.7	0.0	0.0
Communication and related equipment.....	11	76	5.2	0.1	0.9	0.2	0.0	0.2
Electronic components and accessories.....	11	78	2.0	0.0	0.2	0.7	1.5	0.1
X-ray and electromedical equipment ²	11	7905	1.0	0.0	0.0	0.0	0.0	0.0
Oil field and gas field machinery ²	11	91	2.4	0.0	0.0	0.2	0.0	0.0
Mining machinery and equipment ²	11	92	4.4	0.0	0.0	0.0	0.7	0.0
Internal combustion engines ²	11	94	3.1	0.0	0.0	0.2	0.0	0.0

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Dec. 2023 to Dec. 2024 ^P	July to Aug.	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P
Household furniture ²	12	1	1.7	0.1	0.4	-0.2	0.1	0.1
Commercial furniture ²	12	2	3.3	0.4	0.7	-0.1	0.1	0.1
Floor coverings ²	12	3	1.1	-1.2	3.4	-1.1	-1.1	0.0
Household appliances ²	12	4	-2.2	0.4	-0.5	0.1	-0.3	-1.3
Home electronic equipment ²	12	5	1.5	0.0	0.0	0.0	0.0	0.0
Lawn and garden equipment excl. garden tractors ²	12	66	0.3	0.2	0.0	-0.1	0.2	0.0
Passenger cars.....	14	1101	1.7	0.0	0.0	0.3	0.1	0.6
Light motor trucks.....	14	1105	2.2	0.3	0.3	-0.1	0.5	0.5
Heavy motor trucks ²	14	1106	1.8	0.0	1.3	0.0	0.0	0.1
Motor vehicles parts ²	14	12	0.5	0.1	-0.1	-0.3	0.0	0.0
Truck trailers ²	14	14	-0.1	-0.2	0.0	0.0	-0.1	0.1
Travel trailers and campers ²	14	16	0.5	0.0	0.8	0.0	0.0	0.0
Aircraft.....	14	21	2.4	0.3	0.2	0.1	0.2	0.1
Ships ²	14	31	1.7	0.0	0.3	0.0	0.4	0.1
Railroad equipment ²	14	4	0.0	0.4	0.1	0.0	0.1	0.1
Toys, games, and children's vehicles ²	15	11	0.5	0.4	0.0	0.0	0.0	0.0
Sporting and athletic goods ²	15	12	1.6	0.0	0.0	0.1	0.0	0.3
Cigarettes ²	15	21	12.5	2.3	0.5	0.3	2.2	0.0
Mobile homes.....	15	5	1.6	0.9	0.9	0.4	0.3	0.0
Medical, surgical & personal aid devices.....	15	6	2.2	0.0	0.2	0.0	0.0	0.2
Jewelry, platinum and karat gold ²	15	9402	7.8	0.5	0.8	1.6	-2.1	1.7
Costume jewelry and novelties ²	15	9404	1.9	0.0	0.4	0.0	0.0	0.0
Final demand services.....	FD	42	4.0	0.5	0.5	0.3	0.3	0.0
Final demand trade services ³	FD	423	4.4	1.1	1.3	0.0	0.7	-0.1
Machinery and equipment parts and supplies wholesaling ²	57	1102	4.9	0.9	-1.9	2.7	-0.4	0.1
Machinery and vehicle wholesaling ²	57	1103	22.6	5.7	6.1	1.7	3.4	-2.6
Professional and commercial equipment wholesaling ²	57	1104	-1.1	4.6	-6.8	-1.4	2.2	1.8
Furnishings wholesaling ²	57	2	3.5	0.3	0.0	0.0	-0.1	0.0
Chemicals and allied products wholesaling ²	57	5	9.7	1.8	-0.8	-1.7	2.7	1.7
Paper and plastics products wholesaling ²	57	6	-5.2	-0.5	0.1	1.5	-1.8	0.4
Apparel wholesaling ²	57	7	5.8	-1.4	5.8	2.7	0.1	-1.7
Food and alcohol wholesaling ²	57	8	7.3	-1.3	2.6	0.2	1.2	-1.7
Food and alcohol retailing.....	58	1	3.6	-1.9	0.6	1.5	0.5	1.0
Health, beauty, and optical goods retailing ²	58	2	1.1	-0.5	1.3	0.6	-3.4	0.0
Apparel, jewelry, footwear, and accessories retailing.....	58	3	-3.5	2.3	-0.4	-3.6	1.8	1.0
Computer hardware, software, and supplies retailing ²	58	4	49.2	8.5	3.1	14.9	-4.7	-3.0
TV, video, and photographic equipment and supplies retailing.....	58	5	8.1	-5.3	2.9	6.4	11.2	5.0
Automobiles retailing (partial).....	58	6101	-25.8	-3.3	0.4	1.1	-2.2	-0.4
Automotive parts, including tires, retailing ²	58	6102	1.6	1.4	2.6	-2.2	2.5	0.4
RVs, trailers, and campers retailing ²	58	8	-0.4	-1.5	-4.9	-7.0	0.6	-0.6
Sporting goods, including boats, retailing.....	58	9	-8.2	3.3	-5.1	-4.1	-0.3	-1.9
Lawn, garden, and farm equipment and supplies retailing ²	58	A	5.6	1.7	0.2	0.5	2.1	1.3
Furniture retailing ²	58	B	-8.3	2.9	4.7	-7.8	-1.8	-1.9
Flooring and floor coverings retailing ²	58	C	-1.5	0.1	-1.5	-4.0	-3.5	0.6
Hardware, building materials, and supplies retailing.....	58	D	-2.1	3.4	-0.7	-2.9	0.6	0.5
Major household appliances retailing.....	58	E	3.8	-3.5	11.4	3.9	-3.2	-2.0
Fuels and lubricants retailing.....	58	F	12.9	14.9	0.8	-6.9	4.5	4.9
Cleaning supplies and paper products retailing ²	58	G	5.7	-0.1	3.3	4.1	-1.6	-1.4
Book retailing ²	58	H	6.4	-2.9	1.6	1.0	-0.3	1.1
Final demand transportation and warehousing services.....	FD	422	2.1	-0.8	0.0	0.4	-0.6	2.2
Rail transportation of freight and mail ²	30	11	1.1	-0.1	0.3	-0.2	-0.1	0.0
Truck transportation of freight ²	30	12	-0.3	-1.4	-0.6	-0.5	-0.7	0.5
Air transportation of freight ²	30	14	-0.1	0.0	0.7	1.4	-0.4	1.3
Courier, messenger, and U.S. postal services.....	30	16	7.9	2.1	0.3	0.6	0.8	1.1
Rail transportation of passengers.....	30	21	0.0	0.1	0.0	0.0	0.1	0.1
Airline passenger services.....	30	22	5.0	-0.8	1.1	2.4	-1.6	7.2
Final demand services less trade, transportation, and warehousing.....	FD	421	4.1	0.4	0.1	0.4	0.2	-0.2
Sales of books.....	33	11	6.0	0.7	0.2	1.1	0.5	-0.9
Sales and subscriptions of periodicals and newspapers.....	33	12	2.5	0.7	0.1	0.1	-0.1	-0.7
Application software publishing ²	34	2	1.4	-1.1	1.7	-0.5	2.2	-1.9
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-1.8	-1.7	-1.7	-0.2	0.9	0.7
Residential wired telecommunication services ²	37	11	3.6	0.1	-0.1	-0.1	0.0	0.0
Wireless telecommunication services.....	37	2	1.7	0.0	0.1	0.1	0.2	0.1
Cable and satellite subscriber services.....	37	3	7.0	-0.4	-0.4	5.7	0.9	-0.6
Internet access services ²	37	4	5.7	1.2	-1.0	0.6	0.1	1.6

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		July to Aug.	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Bundled wired telecommunications access services ²	37	5	5.6	0.6	-0.6	0.4	1.2	-0.6
Consumer loans (partial).....	39	12	-13.2	5.9	-4.9	-1.5	-1.2	-8.8
Deposit services (partial) ²	39	2	21.2	-0.2	2.9	0.7	1.1	4.9
Other credit intermediation, incl. trust services (partial) ²	39	3	1.1	-1.2	-0.3	0.0	3.8	0.0
Securities brokerage, dealing, investment advice, and related services ² ...	40	1	4.0	0.4	-2.3	-2.7	1.2	0.5
Portfolio management ²	40	2	18.6	0.0	0.7	3.1	-0.6	0.2
Life insurance ²	41	1101	-0.4	0.6	0.1	0.0	0.0	0.0
Disability insurance, including accidental death ²	41	1102	-0.5	0.0	0.0	0.0	0.0	0.0
Health and medical insurance.....	41	1103	4.7	0.5	0.2	0.2	0.3	0.2
Property and casualty insurance ²	41	1104	7.0	0.4	1.3	0.1	0.1	-0.1
Annuities ²	41	2	4.3	0.0	0.1	0.1	0.1	0.1
Residential property sales and leases, brokerage fees and commissions..	43	21	3.0	0.0	0.4	0.3	0.1	0.3
Passenger car rental.....	44	1	-0.4	-4.5	3.5	-4.3	-0.7	2.6
Legal services.....	45	1	8.1	0.5	-0.3	1.4	0.3	0.6
Tax preparation and planning.....	45	2102	-1.3	0.0	-0.6	-1.8	-3.8	0.8
Architectural and engineering services.....	45	3	1.6	0.2	0.3	0.0	0.0	0.1
Management, scientific, and technical consulting services ²	45	4	2.5	0.9	0.1	-0.9	2.4	-0.1
Arrangement of flights (partial).....	47	1	-8.2	-0.7	-0.1	0.8	0.6	-0.6
Arrangement of vehicle rentals and lodging ²	47	2	15.7	-0.1	0.0	3.8	-0.1	0.1
Arrangement of cruises and tours ²	47	3	-0.8	0.2	1.2	0.5	-1.1	-1.4
Physician care.....	51	1101	2.2	0.0	0.0	0.6	0.0	0.2
Medical laboratory and diagnostic imaging care ²	51	1102	0.1	-0.1	0.0	0.0	0.0	0.0
Home health and hospice care.....	51	1103	1.3	0.0	0.0	0.4	0.1	0.2
Hospital outpatient care ²	51	1104	3.7	0.7	0.0	0.4	0.0	0.0
Dental care.....	51	1105	4.6	0.0	0.3	0.0	0.1	0.1
Hospital inpatient care.....	51	2101	2.9	0.3	0.3	-0.1	0.2	0.0
Nursing home care.....	51	2102	2.0	0.3	0.5	0.8	0.1	0.4
Traveler accommodation services.....	53	11	0.3	3.5	1.1	1.9	-1.2	-6.9
Food and beverages for immediate consumption services (partial) ²	54	1	2.7	-0.3	0.5	0.2	-0.5	0.5
Motor vehicle repair and maintenance (partial) ²	55	2	6.3	0.7	0.6	0.3	1.1	0.0
Membership dues and admissions and recreation facility use fees (partial) ²	56	1	0.8	-2.6	2.3	1.4	1.0	1.0
Recreational activity instruction fees (partial) ²	56	2	7.2	0.0	0.0	0.0	0.0	0.0
Gaming receipts (partial) ²	56	3	-2.4	1.0	0.6	-2.7	1.9	0.3
Mining services ²	60	1	-0.5	1.2	-0.5	-1.6	0.7	0.0
Final demand construction.....	FD	43	1.7	0.0	0.1	-0.2	0.0	0.2
New warehouse building construction ²	80	1101	0.7	-0.1	0.0	-0.2	0.0	0.3
New school building construction ²	80	1102	2.2	0.0	0.0	0.0	0.1	0.0
New office building construction ²	80	1103	2.7	-0.2	0.4	-0.1	0.0	0.0
New industrial building construction ²	80	1104	0.5	0.0	0.1	-0.6	0.2	0.5
New health care building construction ²	80	1105	0.8	0.3	0.0	-0.3	0.0	0.2
Intermediate Demand by Commodity Type								
Processed goods for intermediate demand.....	ID6	1	0.2	-0.1	-0.9	0.4	0.0	0.3
Processed foods and feeds.....	ID6	9112	2.7	-0.2	0.8	0.0	0.8	0.4
Meats.....	02	21	4.6	-4.0	1.4	2.7	1.8	2.1
Processed poultry.....	02	22	4.4	0.6	5.3	-4.0	5.8	-3.4
Dairy products ²	02	3	4.8	0.9	1.9	-0.8	-1.1	-1.8
Processed fruits and vegetables ²	02	4	1.1	-0.2	0.3	-0.1	-0.5	0.5
Refined sugar and byproducts ²	02	53	11.6	-0.3	-1.2	-0.3	0.0	0.1
Fats and oils ²	02	7	-6.0	-3.0	-0.9	0.7	2.6	-0.6
Prepared animal feeds.....	02	9	-4.9	-1.0	0.1	1.6	-0.9	0.7
Processed materials less foods and feeds.....	ID6	9111	-0.1	-0.1	-1.0	0.5	-0.1	0.3
Synthetic fibers ²	03	1	1.1	0.5	-2.3	2.7	-5.9	5.3
Processed yarns and threads ²	03	2	0.8	0.1	0.0	-1.1	-0.1	1.0
Finished fabrics ²	03	4	0.7	0.2	0.2	0.1	-0.2	0.1
Liquefied petroleum gas ²	05	32	3.3	-3.7	-6.0	12.2	-3.2	4.2
Commercial electric power.....	05	42	1.9	-0.9	0.3	1.2	-0.7	0.8
Industrial electric power.....	05	43	0.5	-0.1	0.0	1.4	-1.7	1.9
Commercial natural gas.....	05	52	-0.7	-3.6	0.1	0.9	0.8	3.9
Industrial natural gas.....	05	53	-3.2	-5.5	-2.3	-0.5	3.4	1.9
Natural gas to electric utilities.....	05	54	-1.6	-3.6	-1.3	-2.9	-2.1	3.2
Gasoline.....	05	71	-2.5	0.2	-5.3	-0.6	0.3	9.7
Jet fuel ²	05	7203	-15.6	-10.4	-6.6	0.6	-1.1	1.2
No. 2 diesel fuel.....	05	7303	-13.9	1.7	-16.8	6.7	-2.4	-1.3
Residual fuels ²	05	74	-4.6	-4.4	-1.6	-10.1	6.3	-6.2

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
 [December 2024]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Dec. 2023 to Dec. 2024 ^P	July to Aug.	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P
Finished lubricants ²	05	76	-0.7	0.1	-0.1	0.0	0.1	0.0
Lubricating oil base stocks ²	05	78	-17.4	-3.9	-2.5	1.6	-8.6	-7.4
Asphalt.....	05	8102	-0.6	-3.2	-14.5	7.4	7.4	16.0
Basic inorganic chemicals ²	06	13	-1.0	0.0	-0.4	-0.3	1.1	0.2
Basic organic chemicals.....	06	14	-1.4	0.2	-1.6	-1.8	-1.9	0.5
Prepared paint ²	06	21	0.3	0.1	0.2	0.0	0.2	-0.2
Paint materials ²	06	22	0.9	0.8	2.0	0.0	0.0	0.0
Medicinal and botanical chemicals ²	06	31	4.8	-0.1	0.1	-0.1	0.1	0.2
Biological products, including diagnostics.....	06	37	3.3	0.7	0.8	0.3	0.2	0.3
Fats and oils, inedible ²	06	4	9.0	-0.9	0.0	0.2	0.8	-1.6
Nitrogenates.....	06	5201	-9.7	2.4	0.8	-2.6	-4.1	-0.5
Phosphates.....	06	5202	5.3	-0.4	2.5	-0.2	1.8	0.6
Other agricultural chemicals ²	06	53	0.8	0.0	0.2	0.1	0.0	0.0
Plastic resins and materials.....	06	6	-1.1	-0.5	-2.1	0.8	0.7	0.6
Industrial gases ²	06	7903	1.3	0.3	2.2	-3.9	0.0	0.0
Adhesives and sealants ²	06	7904	1.4	0.9	0.0	0.0	0.0	0.0
Synthetic rubber ²	07	1102	10.0	-0.4	0.4	1.2	-1.2	-1.4
Tires ²	07	1201	-0.7	-0.1	0.1	-0.1	-0.2	0.0
Plastic construction products ²	07	21	-0.6	0.2	-0.2	-0.5	-0.1	-0.1
Unsupported plastic film, sheet, other shapes ²	07	22	1.7	1.0	0.0	0.0	-0.4	0.2
Parts for manufacturing from plastics ²	07	26	1.5	0.9	0.0	0.0	0.3	-0.1
Plastic packaging products ²	07	2A	0.5	-0.4	0.3	0.4	-0.2	-0.2
Softwood lumber.....	08	11	12.9	2.7	4.0	2.6	4.3	-0.8
Hardwood lumber ²	08	12	1.6	-0.1	-0.1	0.0	-0.2	0.0
Millwork.....	08	2	1.3	0.3	0.0	0.4	0.2	0.3
Plywood ²	08	3	-5.5	-0.8	1.2	-0.1	0.1	0.0
Paper ²	09	13	1.7	0.0	0.2	0.5	-0.5	-0.1
Paperboard ²	09	14	5.6	1.7	0.4	0.6	0.2	0.1
Paper boxes and containers ²	09	1503	3.8	1.1	0.6	0.9	0.3	-0.1
Building paper and board ²	09	2	-1.7	-1.4	-0.5	-0.3	6.4	4.4
Commercial printing ²	09	47	2.5	0.6	0.0	0.2	0.0	0.0
Foundry and forge shop products ²	10	15	-0.9	-0.3	-0.2	-0.2	0.1	-0.3
Steel mill products ²	10	17	-11.5	-2.8	-1.6	1.0	1.8	-3.0
Primary nonferrous metals ²	10	22	16.6	-2.5	4.4	2.7	-2.7	1.3
Secondary nonferrous metals ²	10	24	13.7	-0.4	-0.1	3.1	-0.5	1.4
Aluminum mill shapes ²	10	2501	8.7	-2.2	-0.8	1.6	2.5	0.8
Copper and brass mill shapes ²	10	2502	11.1	-1.9	0.7	2.0	2.2	-2.3
Nonferrous wire and cable ²	10	26	4.8	-2.5	0.1	1.7	-0.8	-1.8
Nonferrous foundry shop products.....	10	28	4.6	-0.1	0.1	0.6	0.1	0.0
Metal containers ²	10	3	0.2	-0.3	-0.1	-0.4	-0.2	0.0
Hardware ²	10	4	0.7	0.1	0.0	0.4	0.1	0.1
Plumbing fixtures and brass fittings.....	10	5	2.1	0.6	0.0	0.1	0.0	0.1
Heating equipment ²	10	6	2.3	0.1	0.0	0.1	0.0	0.0
Fabricated structural metal products.....	10	7	-0.5	1.0	0.3	1.1	0.8	0.0
Bolts, nuts, screws, rivets, and washers ²	10	81	5.4	0.2	0.3	-0.1	0.6	0.0
Lighting fixtures ²	10	83	2.3	0.1	0.0	0.0	0.5	0.0
Fabricated ferrous wire products.....	10	88	4.8	-0.2	-0.2	0.0	0.6	0.5
Other miscellaneous metal products ²	10	89	2.6	0.2	-0.4	0.3	0.3	0.0
Fluid power equipment ²	11	43	6.2	2.9	0.0	0.0	0.0	0.1
Mechanical power transmission equipment ²	11	45	4.0	0.3	0.3	0.1	0.5	0.2
Air conditioning and refrigeration equipment.....	11	48	1.4	1.4	-0.7	0.1	-0.1	0.3
Metal valves, except fluid power.....	11	4902	1.4	-0.1	0.9	0.0	0.3	0.5
Ball and roller bearings ²	11	4905	5.4	0.0	-0.1	-0.2	0.0	2.3
Wiring devices ²	11	71	-2.7	-0.7	-0.3	-1.9	-0.3	0.6
Motors, generators, motor generator sets ²	11	73	6.6	3.3	-0.4	0.0	1.3	0.0
Switchgear, switchboard, and industrial controls equip. ²	11	75	6.8	-0.3	-0.1	-0.1	0.0	1.6
Electronic components and accessories.....	11	78	2.0	0.0	0.2	0.7	1.5	0.1
Internal combustion engines ²	11	94	3.1	0.0	0.0	0.2	0.0	0.0
Machine shop products ²	11	95	1.9	0.5	0.0	-0.2	0.0	0.0
Flat glass ²	13	11	1.3	0.1	0.2	0.1	-0.1	0.2
Cement.....	13	22	4.5	0.2	0.1	0.3	0.7	0.7
Concrete products.....	13	3	4.1	0.5	-0.1	0.5	0.6	0.1
Asphalt felts and coatings ²	13	6	1.0	-1.0	0.8	2.2	-1.3	-0.1
Paving mixtures and blocks.....	13	94	2.3	-0.3	0.0	0.7	0.6	1.6
Motor vehicle parts ²	14	12	0.5	0.1	-0.1	-0.3	0.0	0.0
Aircraft engines and engine parts.....	14	23	2.8	0.1	0.3	0.2	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
 [December 2024]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Dec. 2023 to Dec. 2024 ^P	July to Aug.	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	3.0	0.1	0.0	0.1	0.2	0.0
Medical, surgical, and personal aid devices.....	15	6	2.2	0.0	0.2	0.0	0.0	0.2
Unprocessed goods for intermediate demand.....	ID6	2	5.1	-3.3	-1.6	2.4	0.1	3.2
Unprocessed foodstuffs and feedstuffs.....	ID6	21	8.9	-1.3	3.9	-1.1	2.7	0.2
Wheat ²	01	21	-14.9	-5.0	4.5	2.7	-4.2	2.4
Corn.....	01	2202	-5.9	0.0	4.8	-3.0	7.4	1.9
Slaughter cattle.....	01	31	16.2	-3.0	-1.8	2.9	-1.7	3.0
Slaughter hogs.....	01	32	64.8	-6.6	11.7	-1.9	21.9	1.8
Slaughter chickens.....	01	4102	5.2	5.5	5.2	3.5	-1.4	-4.8
Slaughter turkeys.....	01	42	-14.1	-16.9	11.7	0.7	-6.2	0.0
Raw milk.....	01	6	11.7	1.7	6.6	-6.2	-5.7	-4.9
Hay and hayseeds ²	01	81	1.2	-29.2	29.8	-22.8	1.3	25.4
Oilseeds.....	01	8301	-23.6	-6.6	1.6	5.1	-4.7	-1.5
Raw cane sugar and byproducts ²	02	5201	-8.4	-1.5	-1.6	-2.2	-2.4	-0.3
Unprocessed nonfood materials.....	ID6	22	2.8	-4.6	-5.1	4.8	-1.5	5.2
Raw cotton ²	01	51	-14.3	0.2	3.6	3.2	-0.8	2.6
Hides and skins.....	04	1	-10.8	-4.4	-2.4	3.1	2.9	-3.6
Coal ²	05	1	0.6	-0.3	-1.6	3.6	-2.2	0.2
Natural gas ²	05	31	22.5	-20.7	4.2	17.3	-3.2	57.7
Crude petroleum ²	05	61	-0.8	-4.7	-13.1	5.7	-3.1	0.5
Logs, bolts, timber, pulpwood, and woodchips ²	08	5	-1.7	0.6	-0.2	0.0	-0.2	0.0
Recyclable paper ²	09	12	2.2	-1.8	-2.6	-13.2	-7.3	-4.3
Iron ores ²	10	11	0.4	-0.5	-1.6	0.9	0.4	0.0
Iron and steel scrap.....	10	12	-15.2	2.0	-0.1	6.0	1.6	-11.8
Nonferrous metal ores ²	10	21	6.4	-2.0	4.2	3.8	-2.5	-3.0
Copper base scrap ²	10	2301	10.0	-9.0	0.8	3.8	-3.3	2.1
Aluminum base scrap.....	10	2302	22.8	-8.9	-0.2	5.2	2.6	-1.7
Construction sand, gravel, and crushed stone.....	13	21	7.7	0.9	0.5	0.6	0.6	0.2
Services for intermediate demand.....	ID6	3	3.0	0.1	0.2	0.1	-0.3	0.4
Trade services for intermediate demand ³	ID6	33	1.9	0.2	0.3	0.3	0.1	0.1
Machinery and equipment parts and supplies wholesaling ²	57	1102	4.9	0.9	-1.9	2.7	-0.4	0.1
Building materials, paint, and hardware wholesaling.....	57	3	3.1	1.3	-2.1	2.1	-1.1	0.3
Metals, minerals, and ores wholesaling ²	57	4	-19.2	-0.6	2.8	1.3	-4.3	-0.8
Chemicals and allied products wholesaling ²	57	5	9.7	1.8	-0.8	-1.7	2.7	1.7
Paper and plastics products wholesaling ²	57	6	-5.2	-0.5	0.1	1.5	-1.8	0.4
Food wholesaling ²	57	8101	7.5	-1.3	2.8	0.0	1.4	-2.0
Automotive parts, including tires, retailing ²	58	6102	1.6	1.4	2.6	-2.2	2.5	0.4
Hardware, building material, and supplies retailing.....	58	D	-2.1	3.4	-0.7	-2.9	0.6	0.5
Transportation and warehousing services for intermediate demand.....	ID6	32	3.6	-0.2	0.1	0.4	0.2	0.9
Rail transportation of freight and mail ²	30	11	1.1	-0.1	0.3	-0.2	-0.1	0.0
Truck transportation of freight ²	30	12	-0.3	-1.4	-0.6	-0.5	-0.7	0.5
Water transportation of freight ²	30	13	8.1	0.0	0.4	0.8	1.5	0.2
Air transportation of freight ²	30	14	-0.1	0.0	0.7	1.4	-0.4	1.3
U.S. Postal Service ²	30	1601	10.4	6.1	0.0	0.9	0.0	0.0
Courier and messenger services, except air mail.....	30	1602	6.3	0.6	0.4	0.3	1.2	1.5
Air mail and package delivery services, excluding by USPS.....	30	1603	7.0	-0.8	0.6	0.5	1.2	2.2
Pipeline transportation ²	30	17	1.3	-0.1	0.0	0.5	0.1	0.0
Transportation of passengers (partial).....	30	2	5.0	-0.8	1.1	2.4	-1.5	7.2
Services related to water transportation ²	31	1	5.4	0.8	-0.3	0.3	0.2	0.0
Arrangement of freight and cargo ²	31	31	7.7	0.0	-0.6	0.8	0.0	0.0
Warehousing, storage, and related services ²	32	1	2.4	-0.9	0.0	0.3	0.3	0.2
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	3.1	0.1	0.2	0.0	-0.5	0.4
Network compensation from broadcast TV, cable TV, radio ²	35	-	0.3	-0.4	0.0	0.0	0.0	0.0
Advertising space sales in periodicals and newspapers ²	36	11	-3.3	-2.0	-2.0	-0.3	0.3	0.4
Advertising space sales in directories and mail lists ²	36	12	6.8	0.0	0.0	0.0	4.3	2.3
Television advertising time sales.....	36	2	-9.4	-3.2	4.2	5.9	-12.0	-2.2
Radio advertising time sales.....	36	3	-9.2	1.6	12.6	-9.3	3.6	-0.4
Internet advertising sales ²	36	6	23.0	0.0	0.0	1.4	0.0	0.0
Business wired telecommunication services ²	37	12	6.2	0.2	1.3	-0.8	0.1	0.4
Wireless telecommunication services.....	37	2	1.7	0.0	0.1	0.1	0.2	0.1
Cable and satellite subscriber services.....	37	3	7.0	-0.4	-0.4	5.7	0.9	-0.6
Bundled wired telecommunication access services ²	37	5	5.6	0.6	-0.6	0.4	1.2	-0.6
Data processing and related services ²	38	1	0.3	-0.1	-0.2	0.0	-0.3	-0.1
Business loans (partial).....	39	11	-6.8	0.2	-0.6	-2.3	-5.1	-0.2

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Dec. 2023 to Dec. 2024 ^P	July to Aug.	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P
Deposit services (partial) ²	39	2	21.2	-0.2	2.9	0.7	1.1	4.9
Other credit intermediation, incl. trust services (partial) ²	39	3	1.1	-1.2	-0.3	0.0	3.8	0.0
Securities brokerage, dealing, investment advice, and related services ²	40	1	4.0	0.4	-2.3	-2.7	1.2	0.5
Portfolio management ²	40	2	18.6	0.0	0.7	3.1	-0.6	0.2
Investment banking ²	40	3	19.9	1.6	2.2	-0.8	-0.1	4.9
Life insurance ²	41	1101	-0.4	0.6	0.1	0.0	0.0	0.0
Health and medical insurance.....	41	1103	4.7	0.5	0.2	0.2	0.3	0.2
Property and casualty insurance ²	41	1104	7.0	0.4	1.3	0.1	0.1	-0.1
Annuities ²	41	2	4.3	0.0	0.1	0.1	0.1	0.1
Commissions from sales of insurance ²	42	1	2.4	0.0	0.0	0.2	0.0	0.0
Nonresidential real estate rents ²	43	11	0.4	-0.3	-1.0	1.2	-2.2	1.9
Nonresidential property sales and leases ²	43	12	0.8	0.5	0.2	-0.3	0.0	0.4
Residential property management fees ²	43	22	3.6	-0.2	0.1	0.1	-1.1	0.1
Passenger car rental.....	44	1	-0.4	-4.5	3.5	-4.3	-0.7	2.6
Truck, utility trailer, and RV rental and leasing ²	44	2	4.2	2.0	-0.5	1.2	-0.1	0.0
Construction, mining, and forestry machinery and equipment rental and leasing ²	44	3	0.0	0.4	0.1	-0.2	0.0	-0.4
Legal services.....	45	1	8.1	0.5	-0.3	1.4	0.3	0.6
Accounting services (partial).....	45	2	1.8	0.7	-0.5	-1.1	-1.0	0.3
Architectural and engineering services.....	45	3	1.6	0.2	0.3	0.0	0.0	0.1
Management, scientific, and technical consulting services ²	45	4	2.5	0.9	0.1	-0.9	2.4	-0.1
Advertising and related services (partial) ²	45	5	1.4	0.7	-0.2	0.1	0.0	0.1
Permanent placement services ²	46	1	3.2	5.2	0.9	0.1	0.0	0.7
Executive search services ²	46	2	-1.3	2.7	-1.3	-0.1	3.1	-3.7
Staffing services.....	46	3	1.7	-0.3	1.8	0.1	-0.1	0.2
Security guard services ²	48	1	4.7	0.0	0.3	0.4	-0.2	0.2
Janitorial services ²	49	1	6.2	0.0	1.2	0.0	0.0	0.0
Waste collection.....	50	1	5.8	-0.7	1.5	-0.1	2.0	-0.4
Traveler accommodation services.....	53	11	0.3	3.5	1.1	1.9	-1.2	-6.9
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.0	1.4	0.7	0.1	0.5	0.2
Aircraft repair and maintenance.....	55	4	5.0	0.1	0.1	0.2	0.2	0.2
Metal treatment services ²	59	1	1.5	-0.1	0.7	0.3	-1.0	-0.2
Construction for intermediate demand.....	ID6	4	4.7	0.2	0.0	0.0	0.1	0.1
Maintenance and repair of non-residential buildings (partial) ²	80	2	4.7	0.2	0.0	0.0	0.1	0.1
Intermediate Demand by Production Flow								
Stage 4 intermediate demand.....	ID5	4	2.5	0.0	0.0	0.3	0.0	0.4
Stage 4 intermediate demand goods.....	ID5	9411	1.3	0.0	0.1	0.2	0.4	0.4
Grains.....	01	2	-7.9	-1.2	4.5	-1.6	5.0	1.9
Meats.....	02	21	4.6	-4.0	1.4	2.7	1.8	2.1
Unprocessed and packaged fish.....	02	23	8.9	1.7	-0.1	1.5	6.8	-1.0
Dairy products ²	02	3	4.8	0.9	1.9	-0.8	-1.1	-1.8
Commercial electric power.....	05	42	1.9	-0.9	0.3	1.2	-0.7	0.8
Industrial electric power.....	05	43	0.5	-0.1	0.0	1.4	-1.7	1.9
Gasoline.....	05	71	-2.5	0.2	-5.3	-0.6	0.3	9.7
No. 2 diesel fuel.....	05	7303	-13.9	1.7	-16.8	6.7	-2.4	-1.3
Basic organic chemicals.....	06	14	-1.4	0.2	-1.6	-1.8	-1.9	0.5
Prepared paint ²	06	21	0.3	0.1	0.2	0.0	0.2	-0.2
Medicinal and botanical chemicals ²	06	31	4.8	-0.1	0.1	-0.1	0.1	0.2
Biological products, including diagnostics.....	06	37	3.3	0.7	0.8	0.3	0.2	0.3
Pharmaceutical preparations.....	06	38	1.7	0.5	0.2	0.2	0.1	0.2
Plastic construction products ²	07	21	-0.6	0.2	-0.2	-0.5	-0.1	-0.1
Unsupported plastic film, sheet, and other shapes ²	07	22	1.7	1.0	0.0	0.0	-0.4	0.2
Parts for manufacturing from plastics ²	07	26	1.5	0.9	0.0	0.0	0.3	-0.1
Plastic packaging products ²	07	2A	0.5	-0.4	0.3	0.4	-0.2	-0.2
Lumber.....	08	1	8.1	1.5	2.3	1.6	2.5	-0.5
Millwork.....	08	2	1.3	0.3	0.0	0.4	0.2	0.3
Paper boxes and containers ²	09	1503	3.8	1.1	0.6	0.9	0.3	-0.1
Commercial printing ²	09	47	2.5	0.6	0.0	0.2	0.0	0.0
Steel mill products ²	10	17	-11.5	-2.8	-1.6	1.0	1.8	-3.0
Nonferrous wire and cable ²	10	26	4.8	-2.5	0.1	1.7	-0.8	-1.8
Fabricated structural metal products.....	10	7	-0.5	1.0	0.3	1.1	0.8	0.0
Other miscellaneous metal products ²	10	89	2.6	0.2	-0.4	0.3	0.3	0.0
Air conditioning and refrigeration equipment.....	11	48	1.4	1.4	-0.7	0.1	-0.1	0.3
Wiring devices ²	11	71	-2.7	-0.7	-0.3	-1.9	-0.3	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
 [December 2024]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Dec. 2023 to Dec. 2024 ^P	July to Aug.	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P
Electronic components and accessories.....	11	78	2.0	0.0	0.2	0.7	1.5	0.1
Miscellaneous electrical machinery and equipment ²	11	79	1.1	0.1	0.0	0.1	0.1	0.0
Internal combustion engines ²	11	94	3.1	0.0	0.0	0.2	0.0	0.0
Machine shop products ²	11	95	1.9	0.5	0.0	-0.2	0.0	0.0
Concrete ingredients and related products.....	13	2	6.8	0.7	0.4	0.5	0.6	0.4
Concrete products.....	13	3	4.1	0.5	-0.1	0.5	0.6	0.1
Prepared asphalt, tar roofing and siding products ²	13	61	1.6	-1.2	0.9	2.6	-1.6	-0.1
Paving mixtures and blocks.....	13	94	2.3	-0.3	0.0	0.7	0.6	1.6
Motor vehicle parts ²	14	12	0.5	0.1	-0.1	-0.3	0.0	0.0
Aircraft engines and engine parts.....	14	23	2.8	0.1	0.3	0.2	0.1	-0.1
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	3.0	0.1	0.0	0.1	0.2	0.0
Medical, surgical and personal aid devices.....	15	6	2.2	0.0	0.2	0.0	0.0	0.2
Stage 4 intermediate demand services.....	ID5	9412	3.5	0.1	0.0	0.4	-0.3	0.5
Truck transportation of freight ²	30	12	-0.3	-1.4	-0.6	-0.5	-0.7	0.5
Courier, messenger, and U.S. postal services.....	30	16	7.9	2.1	0.3	0.6	0.8	1.1
Airline passenger services.....	30	22	5.0	-0.8	1.1	2.4	-1.6	7.2
Warehousing, storage, and related services ²	32	1	2.4	-0.9	0.0	0.3	0.3	0.2
Advertising space sales in periodicals and newspapers ²	36	11	-3.3	-2.0	-2.0	-0.3	0.3	0.4
Data processing and related services ²	38	1	0.3	-0.1	-0.2	0.0	-0.3	-0.1
Business loans (partial).....	39	11	-6.8	0.2	-0.6	-2.3	-5.1	-0.2
Deposit services (partial) ²	39	2	21.2	-0.2	2.9	0.7	1.1	4.9
Securities brokerage, dealing, investment advice, and related services ²	40	1	4.0	0.4	-2.3	-2.7	1.2	0.5
Portfolio management ²	40	2	18.6	0.0	0.7	3.1	-0.6	0.2
Investment banking ²	40	3	19.9	1.6	2.2	-0.8	-0.1	4.9
Insurance.....	41	11	4.6	0.5	0.7	0.3	0.2	0.0
Annuities ²	41	2	4.3	0.0	0.1	0.1	0.1	0.1
Nonresidential real estate rents ²	43	11	0.4	-0.3	-1.0	1.2	-2.2	1.9
Nonresidential property sales and leases ²	43	12	0.8	0.5	0.2	-0.3	0.0	0.4
Nonresidential property management fees ²	43	13	-1.5	0.6	-0.4	-1.2	-0.9	-0.3
Residential property management fees ²	43	22	3.6	-0.2	0.1	0.1	-1.1	0.1
Construction, mining, and forestry machinery and equipment rental and leasing ²	44	3	0.0	0.4	0.1	-0.2	0.0	-0.4
Legal services.....	45	1	8.1	0.5	-0.3	1.4	0.3	0.6
Advertising agency services ²	45	51	1.4	0.7	-0.2	0.1	0.0	0.1
Accounting services (partial).....	45	2	1.8	0.7	-0.5	-1.1	-1.0	0.3
Architectural and engineering services.....	45	3	1.6	0.2	0.3	0.0	0.0	0.1
Management, scientific, and technical consulting services ²	45	4	2.5	0.9	0.1	-0.9	2.4	-0.1
Staffing services.....	46	3	1.7	-0.3	1.8	0.1	-0.1	0.2
Janitorial services ²	49	1	6.2	0.0	1.2	0.0	0.0	0.0
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.0	1.4	0.7	0.1	0.5	0.2
Machinery and equipment parts and supplies wholesaling ²	57	1102	4.9	0.9	-1.9	2.7	-0.4	0.1
Building materials, paint, and hardware wholesaling.....	57	3	3.1	1.3	-2.1	2.1	-1.1	0.3
Metals, minerals, and ores wholesaling ²	57	4	-19.2	-0.6	2.8	1.3	-4.3	-0.8
Chemicals and allied products wholesaling ²	57	5	9.7	1.8	-0.8	-1.7	2.7	1.7
Paper and plastics products wholesaling ²	57	6	-5.2	-0.5	0.1	1.5	-1.8	0.4
Food and alcohol wholesaling ²	57	8	7.3	-1.3	2.6	0.2	1.2	-1.7
Hardware and building materials and supplies retailing.....	58	D	-2.1	3.4	-0.7	-2.9	0.6	0.5
Metal treatment services ²	59	1	1.5	-0.1	0.7	0.3	-1.0	-0.2
Stage 3 intermediate demand.....	ID5	3	1.8	-0.3	-0.1	0.2	0.1	0.3
Stage 3 intermediate demand goods.....	ID5	9311	1.6	-0.5	-0.5	0.1	0.5	0.1
Slaughter cattle.....	01	31	16.2	-3.0	-1.8	2.9	-1.7	3.0
Slaughter hogs.....	01	32	64.8	-6.6	11.7	-1.9	21.9	1.8
Slaughter poultry.....	01	4	2.9	3.0	5.7	3.2	-1.8	-4.3
Raw milk.....	01	6	11.7	1.7	6.6	-6.2	-5.7	-4.9
Commercial electric power.....	05	42	1.9	-0.9	0.3	1.2	-0.7	0.8
Industrial electric power.....	05	43	0.5	-0.1	0.0	1.4	-1.7	1.9
Gasoline.....	05	71	-2.5	0.2	-5.3	-0.6	0.3	9.7
Jet fuel ²	05	7203	-15.6	-10.4	-6.6	0.6	-1.1	1.2
No. 2 diesel fuel.....	05	7303	-13.9	1.7	-16.8	6.7	-2.4	-1.3
Finished lubricants ²	05	76	-0.7	0.1	-0.1	0.0	0.1	0.0
Lubricating oil base stocks ²	05	78	-17.4	-3.9	-2.5	1.6	-8.6	-7.4
Asphalt.....	05	8102	-0.6	-3.2	-14.5	7.4	7.4	16.0
Basic inorganic chemicals ²	06	13	-1.0	0.0	-0.4	-0.3	1.1	0.2
Basic organic chemicals.....	06	14	-1.4	0.2	-1.6	-1.8	-1.9	0.5
Paints and allied products ²	06	2	0.4	0.3	0.5	0.0	0.2	-0.1

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		July to Aug.	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P	Nov. to Dec. ^P
Agricultural chemicals and chemical products.....	06	5	-0.4	0.7	1.4	-0.7	-1.4	0.1
Plastic resins and materials.....	06	6	-1.1	-0.5	-2.1	0.8	0.7	0.6
Synthetic rubber ²	07	1102	10.0	-0.4	0.4	1.2	-1.2	-1.4
Unsupported plastic film, sheet, and other shapes ²	07	22	1.7	1.0	0.0	0.0	-0.4	0.2
Paper ²	09	13	1.7	0.0	0.2	0.5	-0.5	-0.1
Paperboard ²	09	14	5.6	1.7	0.4	0.6	0.2	0.1
Converted paper and paperboard products ²	09	15	2.7	0.6	0.7	0.4	0.1	0.3
Commercial printing ²	09	47	2.5	0.6	0.0	0.2	0.0	0.0
Foundry and forge shop products ²	10	15	-0.9	-0.3	-0.2	-0.2	0.1	-0.3
Steel mill products ²	10	17	-11.5	-2.8	-1.6	1.0	1.8	-3.0
Nonferrous mill shapes ²	10	25	8.9	-1.7	-0.3	1.4	2.0	-0.1
Nonferrous foundry shop products.....	10	28	4.6	-0.1	0.1	0.6	0.1	0.0
Metal containers ²	10	3	0.2	-0.3	-0.1	-0.4	-0.2	0.0
Structural, architectural, and pre-engineered metal products.....	10	74	-5.4	0.8	0.0	1.4	1.4	-0.3
Bolts, nuts, screws, rivets, and washers ²	10	81	5.4	0.2	0.3	-0.1	0.6	0.0
Other miscellaneous metal products ²	10	89	2.6	0.2	-0.4	0.3	0.3	0.0
General purpose machinery and equipment.....	11	4	3.4	0.9	0.1	0.2	0.3	0.5
Electrical machinery and equipment.....	11	7	3.0	0.1	0.2	0.2	0.5	0.3
Construction sand, gravel, and crushed stone.....	13	21	7.7	0.9	0.5	0.6	0.6	0.2
Cement.....	13	22	4.5	0.2	0.1	0.3	0.7	0.7
Motor vehicle parts ²	14	12	0.5	0.1	-0.1	-0.3	0.0	0.0
Aircraft and aircraft equipment.....	14	2	2.5	0.2	0.2	0.1	0.2	0.0
Stage 3 intermediate demand services.....	ID5	9312	1.9	-0.2	0.3	0.2	-0.3	0.4
Rail transportation of freight and mail ²	30	11	1.1	-0.1	0.3	-0.2	-0.1	0.0
Courier, messenger, and U.S. postal services.....	30	16	7.9	2.1	0.3	0.6	0.8	1.1
Arrangement of freight and cargo ²	31	31	7.7	0.0	-0.6	0.8	0.0	0.0
Freight forwarding ²	31	3201	-11.1	-9.0	-0.3	0.0	0.0	0.0
Warehousing, storage, and related services ²	32	1	2.4	-0.9	0.0	0.3	0.3	0.2
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-1.8	-1.7	-1.7	-0.2	0.9	0.7
Wired telephone services ²	37	1	5.0	0.1	0.6	-0.5	0.1	0.2
Bundled wired telecommunications access services ²	37	5	5.6	0.6	-0.6	0.4	1.2	-0.6
Data processing and related services ²	38	1	0.3	-0.1	-0.2	0.0	-0.3	-0.1
Business loans (partial).....	39	11	-6.8	0.2	-0.6	-2.3	-5.1	-0.2
Deposit services (partial) ²	39	2	21.2	-0.2	2.9	0.7	1.1	4.9
Securities brokerage, dealing, investment advice, and related services ²	40	1	4.0	0.4	-2.3	-2.7	1.2	0.5
Insurance.....	41	11	4.6	0.5	0.7	0.3	0.2	0.0
Nonresidential real estate rents ²	43	11	0.4	-0.3	-1.0	1.2	-2.2	1.9
Legal services.....	45	1	8.1	0.5	-0.3	1.4	0.3	0.6
Accounting services (partial).....	45	2	1.8	0.7	-0.5	-1.1	-1.0	0.3
Architectural and engineering services.....	45	3	1.6	0.2	0.3	0.0	0.0	0.1
Management, scientific, and technical consulting services ²	45	4	2.5	0.9	0.1	-0.9	2.4	-0.1
Advertising agency services ²	45	51	1.4	0.7	-0.2	0.1	0.0	0.1
Staffing services.....	46	3	1.7	-0.3	1.8	0.1	-0.1	0.2
Aircraft repair maintenance.....	55	4	5.0	0.1	0.1	0.2	0.2	0.2
Machinery and equipment parts and supplies wholesaling ²	57	1102	4.9	0.9	-1.9	2.7	-0.4	0.1
Building materials, paint, and hardware wholesaling.....	57	3	3.1	1.3	-2.1	2.1	-1.1	0.3
Metals, minerals, and ores wholesaling ²	57	4	-19.2	-0.6	2.8	1.3	-4.3	-0.8
Chemicals and allied products wholesaling ²	57	5	9.7	1.8	-0.8	-1.7	2.7	1.7
Paper and plastics products wholesaling ²	57	6	-5.2	-0.5	0.1	1.5	-1.8	0.4
Food wholesaling ²	57	8101	7.5	-1.3	2.8	0.0	1.4	-2.0
Metal treatment services ²	59	1	1.5	-0.1	0.7	0.3	-1.0	-0.2
Stage 2 intermediate demand.....	ID5	2	2.3	-1.1	-1.1	1.2	-0.9	1.5
Stage 2 intermediate demand goods.....	ID5	9211	1.2	-3.0	-3.7	3.2	-1.4	3.4
Corn.....	01	2202	-5.9	0.0	4.8	-3.0	7.4	1.9
Oilseeds.....	01	83	-23.6	-6.6	1.6	5.1	-4.7	-1.5
Prepared animal feeds.....	02	9	-4.9	-1.0	0.1	1.6	-0.9	0.7
Coal ²	05	1	0.6	-0.3	-1.6	3.6	-2.2	0.2
Natural gas ²	05	31	22.5	-20.7	4.2	17.3	-3.2	57.7
Liquefied petroleum gas ²	05	32	3.3	-3.7	-6.0	12.2	-3.2	4.2
Crude petroleum ²	05	61	-0.8	-4.7	-13.1	5.7	-3.1	0.5
No. 2 diesel fuel.....	05	7303	-13.9	1.7	-16.8	6.7	-2.4	-1.3
Industrial chemicals.....	06	1	-1.3	0.2	-1.4	-1.5	-1.4	0.4
Plastic resins and materials.....	06	6	-1.1	-0.5	-2.1	0.8	0.7	0.6
Plastic products ²	07	2	1.0	0.3	0.0	0.0	0.0	-0.1
Logs, bolts, timber, pulpwood, and wood chips ²	08	5	-1.7	0.6	-0.2	0.0	-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
 [December 2024]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Dec. 2023 to Dec. 2024 ^P	July to Aug.	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P
Paper ²	09	13	1.7	0.0	0.2	0.5	-0.5	-0.1
Paperboard, excluding corrugated paperboard ²	09	1411	5.4	2.0	0.2	0.8	0.3	-0.4
Commercial printing ²	09	47	2.5	0.6	0.0	0.2	0.0	0.0
Iron and steel scrap.....	10	12	-15.2	2.0	-0.1	6.0	1.6	-11.8
Steel mill products ²	10	17	-11.5	-2.8	-1.6	1.0	1.8	-3.0
Nonferrous mill shapes ²	10	25	8.9	-1.7	-0.3	1.4	2.0	-0.1
Electrical machinery and equipment.....	11	7	3.0	0.1	0.2	0.2	0.5	0.3
Electronic components and accessories.....	11	78	2.0	0.0	0.2	0.7	1.5	0.1
Stage 2 intermediate demand services.....	ID5	9212	3.1	0.2	0.6	-0.1	-0.6	0.3
Rail transportation of freight and mail ²	30	11	1.1	-0.1	0.3	-0.2	-0.1	0.0
Truck transportation of freight ²	30	12	-0.3	-1.4	-0.6	-0.5	-0.7	0.5
U.S. Postal Service ²	30	1601	10.4	6.1	0.0	0.9	0.0	0.0
Courier and messenger services, except air.....	30	1602	6.3	0.6	0.4	0.3	1.2	1.5
Air mail and package delivery services, excluding by USPS.....	30	1603	7.0	-0.8	0.6	0.5	1.2	2.2
Pipeline transportation ²	30	17	1.3	-0.1	0.0	0.5	0.1	0.0
Airline passenger services.....	30	22	5.0	-0.8	1.1	2.4	-1.6	7.2
Arrangement of freight and cargo ²	31	31	7.7	0.0	-0.6	0.8	0.0	0.0
Television advertising time sales.....	36	21	-9.4	-3.2	4.2	5.9	-12.0	-2.2
Wireless telecommunication services.....	37	2	1.7	0.0	0.1	0.1	0.2	0.1
Data processing and related services ²	38	1	0.3	-0.1	-0.2	0.0	-0.3	-0.1
Securities brokerage, dealing, investment advice, and related services ²	40	1	4.0	0.4	-2.3	-2.7	1.2	0.5
Portfolio management ²	40	2	18.6	0.0	0.7	3.1	-0.6	0.2
Investment banking ²	40	31	19.9	1.6	2.2	-0.8	-0.1	4.9
Insurance.....	41	11	4.6	0.5	0.7	0.3	0.2	0.0
Commissions from sales of insurance ²	42	11	2.4	0.0	0.0	0.2	0.0	0.0
Legal services.....	45	1	8.1	0.5	-0.3	1.4	0.3	0.6
Accounting services (partial).....	45	2	1.8	0.7	-0.5	-1.1	-1.0	0.3
Management, scientific, and technical consulting services ²	45	4	2.5	0.9	0.1	-0.9	2.4	-0.1
Advertising agency services ²	45	51	1.4	0.7	-0.2	0.1	0.0	0.1
Staffing services.....	46	3	1.7	-0.3	1.8	0.1	-0.1	0.2
Security guard services ²	48	1	4.7	0.0	0.3	0.4	-0.2	0.2
Janitorial services ²	49	1	6.2	0.0	1.2	0.0	0.0	0.0
Traveler accommodation services.....	53	1	0.3	3.5	1.1	1.9	-1.2	-6.9
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.0	1.4	0.7	0.1	0.5	0.2
Hardware and building materials and supplies retailing.....	58	D	-2.1	3.4	-0.7	-2.9	0.6	0.5
Stage 1 intermediate demand.....	ID5	1	0.9	0.1	-0.5	0.2	-0.1	0.2
Stage 1 intermediate demand goods.....	ID5	9111	-1.0	-0.1	-1.0	0.3	0.0	0.0
Prepared animal feeds.....	02	9	-4.9	-1.0	0.1	1.6	-0.9	0.7
Commercial electric power.....	05	42	1.9	-0.9	0.3	1.2	-0.7	0.8
Industrial electric power.....	05	43	0.5	-0.1	0.0	1.4	-1.7	1.9
Commercial natural gas.....	05	52	-0.7	-3.6	0.1	0.9	0.8	3.9
Industrial natural gas.....	05	53	-3.2	-5.5	-2.3	-0.5	3.4	1.9
Gasoline.....	05	71	-2.5	0.2	-5.3	-0.6	0.3	9.7
No. 2 diesel fuel.....	05	7303	-13.9	1.7	-16.8	6.7	-2.4	-1.3
Industrial chemicals.....	06	1	-1.3	0.2	-1.4	-1.5	-1.4	0.4
Prepared paint ²	06	21	0.3	0.1	0.2	0.0	0.2	-0.2
Plastic construction products ²	07	21	-0.6	0.2	-0.2	-0.5	-0.1	-0.1
Recyclable paper ²	09	12	2.2	-1.8	-2.6	-13.2	-7.3	-4.3
Paper ²	09	13	1.7	0.0	0.2	0.5	-0.5	-0.1
Converted paper and paperboard products ²	09	15	2.7	0.6	0.7	0.4	0.1	0.3
Iron and steel scrap.....	10	12	-15.2	2.0	-0.1	6.0	1.6	-11.8
Steel mill products ²	10	17	-11.5	-2.8	-1.6	1.0	1.8	-3.0
Primary nonferrous metals ²	10	22	16.6	-2.5	4.4	2.7	-2.7	1.3
Nonferrous scrap.....	10	23	11.5	-7.1	1.2	3.7	-0.8	0.6
Nonferrous wire and cable ²	10	26	4.8	-2.5	0.1	1.7	-0.8	-1.8
Fabricated structural metal products.....	10	7	-0.5	1.0	0.3	1.1	0.8	0.0
General purpose machinery and equipment.....	11	4	3.4	0.9	0.1	0.2	0.3	0.5
Construction sand, gravel, and crushed stone.....	13	21	7.7	0.9	0.5	0.6	0.6	0.2
Stage 1 intermediate demand services.....	ID5	9112	2.7	0.2	0.0	0.1	-0.3	0.5
Truck transportation of freight ²	30	12	-0.3	-1.4	-0.6	-0.5	-0.7	0.5
Airline passenger services.....	30	22	5.0	-0.8	1.1	2.4	-1.6	7.2
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-1.8	-1.7	-1.7	-0.2	0.9	0.7
Business wired telecommunication services ²	37	12	6.2	0.2	1.3	-0.8	0.1	0.4
Wireless telecommunication services.....	37	2	1.7	0.0	0.1	0.1	0.2	0.1

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		July to Aug.	Aug. to Sept. ^p	Sept. to Oct. ^p	Oct. to Nov. ^p	Nov. to Dec. ^p
Bundled wired telecommunications access services ²	37	5	5.6	0.6	-0.6	0.4	1.2	-0.6
Business loans (partial).....	39	11	-6.8	0.2	-0.6	-2.3	-5.1	-0.2
Deposit services (partial) ²	39	2	21.2	-0.2	2.9	0.7	1.1	4.9
Securities brokerage, dealing, investment advice, and related services ²	40	1	4.0	0.4	-2.3	-2.7	1.2	0.5
Portfolio management ²	40	2	18.6	0.0	0.7	3.1	-0.6	0.2
Investment banking ²	40	3	19.9	1.6	2.2	-0.8	-0.1	4.9
Insurance.....	41	11	4.6	0.5	0.7	0.3	0.2	0.0
Nonresidential real estate rents ²	43	11	0.4	-0.3	-1.0	1.2	-2.2	1.9
Architectural and engineering services.....	45	3	1.6	0.2	0.3	0.0	0.0	0.1
Management consulting services ²	45	41	2.5	0.9	0.1	-0.9	2.4	-0.1
Waste collection.....	50	1	5.8	-0.7	1.5	-0.1	2.0	-0.4
Traveler accommodation services.....	53	11	0.3	3.5	1.1	1.9	-1.2	-6.9
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.0	1.4	0.7	0.1	0.5	0.2
Machinery and equipment parts and supplies wholesaling ²	57	1102	4.9	0.9	-1.9	2.7	-0.4	0.1
Building materials, paint, and hardware wholesaling.....	57	3	3.1	1.3	-2.1	2.1	-1.1	0.3
Metals, minerals, and ores wholesaling ²	57	4	-19.2	-0.6	2.8	1.3	-4.3	-0.8
Chemicals and allied products wholesaling ²	57	5	9.7	1.8	-0.8	-1.7	2.7	1.7
Paper and plastics products wholesaling ²	57	6	-5.2	-0.5	0.1	1.5	-1.8	0.4
Hardware and building materials and supplies retailing.....	58	D	-2.1	3.4	-0.7	-2.9	0.6	0.5
Mining services ²	60	1	-0.5	1.2	-0.5	-1.6	0.7	0.0

¹ 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.

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

³ 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
 [December 2024, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Aug. 2024	Sept. 2024 ^P	Oct. 2024 ^P	Nov. 2024 ^P	Dec. 2024 ^P
Final Demand								
Final demand.....		FD	4	145.333	145.650	145.970	146.521	146.842
Final demand goods.....		FD	41	143.755	143.299	143.503	144.480	145.385
Final demand foods.....		FD	411	152.497	153.657	153.542	158.063	157.854
Finished consumer foods ²	00/82	FD	4111	274.614	276.318	275.324	284.586	284.036
Finished consumer foods, crude.....	00/82	FD	411113	287.009	284.611	269.836	354.367	341.077
Finished consumer foods, processed.....	00/82	FD	411112	272.241	274.329	274.646	276.722	277.383
Government purchased foods.....		FD	4112	159.493	160.885	161.794	163.020	163.258
Foods for export.....		FD	4113	137.988	139.955	141.458	144.115	144.186
Final demand energy.....		FD	412	136.130	132.117	132.584	132.622	137.286
Finished consumer energy goods ²	00/82	FD	4121	215.141	210.442	210.734	211.195	219.982
Government purchased energy.....		FD	4122	140.729	132.612	134.573	133.656	135.490
Energy for export.....		FD	4123	124.550	117.292	117.943	117.077	117.416
Final demand goods less foods and energy.....		FD	413	143.808	144.012	144.224	144.499	144.540
Finished goods less foods and energy ²	00/82	FD	4131	253.846	254.397	254.658	255.289	255.694
Finished consumer goods less foods and energy.....	00/82	FD	41311	281.547	282.126	282.320	283.126	283.516
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	367.775	368.400	368.814	370.213	370.645
Durable consumer goods.....	00/82	FD	413112	193.624	194.131	194.131	194.400	194.732
Private capital equipment.....	00/82	FD	41312	218.425	218.927	219.236	219.685	220.086
Private capital equipment for manufacturing industries.....	00/82	FD	413121	236.910	237.218	237.794	238.204	238.723
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	212.905	213.465	213.695	214.156	214.522
Government purchased goods, excluding foods and energy.....		FD	4132	140.077	140.295	140.233	140.390	140.550
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	148.023	148.216	147.978	148.075	148.233
Government purchased capital equipment.....		FD	41322	127.967	128.213	128.363	128.589	128.748
Goods for export, excluding foods and energy.....		FD	4133	139.004	139.006	139.408	139.568	139.241
Final demand services.....		FD	42	144.913	145.580	145.974	146.348	146.405
Final demand trade services ³		FD	423	153.904	155.929	155.919	157.011	156.925
Trade of finished goods ²		FD	4231	151.529	153.526	153.301	154.220	154.273
Trade of personal consumption goods.....		FD	42311	150.739	152.321	151.594	151.946	152.496
Trade of private capital equipment.....		FD	42312	153.306	157.114	159.179	162.657	160.456
Trade of government purchased goods.....		FD	4232	170.150	172.914	174.280	176.670	175.470
Trade of government purchased goods, excluding capital equipment.....		FD	42321	174.921	175.438	176.327	176.872	177.064
Trade of government purchased capital equipment.....		FD	42322	161.389	167.484	169.583	174.824	171.467
Trade of exports.....		FD	4233	170.115	172.115	173.632	175.880	174.882
Final demand transportation and warehousing services.....		FD	422	149.629	149.671	150.282	149.314	152.634
Transportation of passengers for final demand.....		FD	4221	131.899	133.302	136.484	134.378	144.033
Transportation of private passengers.....		FD	42211	131.908	133.308	136.483	134.382	144.018
Transportation of government passengers.....		FD	42212	131.720	133.107	136.253	134.172	143.721
Transportation of passengers for export.....		FD	42213	131.870	133.285	136.495	134.370	144.107
Transportation and warehousing of goods for final demand.....		FD	4222	155.726	155.235	154.840	154.321	155.150
Transportation and warehousing of finished goods ²		FD	42221	153.442	152.863	152.400	151.715	152.418
Transportation and warehousing of personal consumption goods.....		FD	422211	154.172	153.610	153.179	152.527	153.248
Transportation and warehousing of private capital equipment.....		FD	422212	150.481	149.833	149.238	148.417	149.044
Transportation and warehousing of government purchased goods.....		FD	42222	155.080	154.655	154.469	153.933	154.460
Transportation and warehousing of exports.....		FD	42223	162.296	161.994	161.709	161.576	162.769
Final demand services less trade, transportation, and warehousing.....		FD	421	140.154	140.337	140.864	141.090	140.865
Finished services less trade, transportation, and warehousing ²		FD	4211	140.178	140.359	140.926	141.159	140.884
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	139.584	139.733	140.355	140.571	140.273
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	145.977	146.418	146.552	146.924	146.828
Government purchased services less trade, transportation, and warehousing.....		FD	4212	130.747	131.057	131.545	131.479	131.566
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	131.349	131.636	132.103	132.012	132.149
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	115.849	116.477	117.233	117.531	116.898
Services for export less trade, transportation, and warehousing.....		FD	4213	151.462	151.513	151.503	151.980	152.119
Final demand construction.....		FD	43	176.918	177.113	176.783	176.857	177.136
Construction for private capital investment.....		FD	431	180.675	180.909	180.467	180.536	180.882
Construction for government.....		FD	432	170.035	170.146	170.054	170.139	170.277
Final Demand Special Groupings								
Final demand less exports.....	04/10	FD	49101	143.066	143.402	143.681	144.227	144.577
Final demand less government.....	04/10	FD	49102	143.365	143.736	144.030	144.610	144.924
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy ¹	04/10	FD	49103	143.911	144.467	144.815	145.148	145.212
Final demand less foods and energy ⁴	04/10	FD	49104	143.740	144.290	144.621	144.964	145.022
Final demand less foods and food and nonalcoholic beverages for immediate consumption ⁴	04/10	FD	49105	142.954	143.209	143.563	143.876	144.242

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Aug. 2024	Sept. 2024 ^P	Oct. 2024 ^P	Nov. 2024 ^P	Dec. 2024 ^P
Final demand less foods ⁴	04/10	FD	49106	142.776	143.042	143.381	143.704	144.047
Final demand less energy.....	04/10	FD	49107	143.978	144.561	144.868	145.445	145.489
Final demand less trade services.....	01/10	FD	49108	141.643	141.583	141.970	142.397	142.801
Final demand less distributive services ⁵	01/10	FD	49109	141.208	141.167	141.587	142.055	142.442
Final demand goods less energy.....	01/10	FD	49111	144.173	144.582	144.720	145.916	145.902
Final demand goods less foods.....	04/10	FD	49112	138.818	138.036	138.302	138.516	139.632
Final demand services less trade services.....	04/10	FD	49113	139.813	139.981	140.512	140.624	140.733
Final demand distributive services ⁵	04/10	FD	49114	151.077	152.673	152.604	153.427	153.483
Final demand goods plus final demand distributive services ⁵	04/10	FD	49115	144.710	145.112	145.201	146.099	146.642
Final demand less foods, energy, and trade services ⁴	08/13	FD	49116	132.977	133.144	133.537	133.682	133.771
Private and government purchased capital equipment.....	08/13	FD	49117	131.865	132.161	132.343	132.609	132.840
Private and government purchased capital investment services.....	08/13	FD	49118	137.918	139.550	140.345	141.794	140.940
Total private and government purchased capital investment.....	08/13	FD	49119	138.083	139.028	139.450	140.278	139.971
Total finished ²	01/10	FD	49201	144.142	144.550	144.803	145.395	145.750
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{2, 4}	12/10	FD	49202	143.404	144.001	144.302	144.651	144.691
Total finished less foods and energy ^{2, 4}	01/10	FD	49203	144.278	144.879	145.182	145.527	145.572
Total finished less foods and food and nonalcoholic beverages for immediate consumption ^{2, 4}	12/10	FD	49204	142.159	142.531	142.823	143.167	143.549
Total finished less foods ^{2, 4}	01/10	FD	49205	143.598	143.977	144.272	144.613	145.001
Total finished less energy ²	01/10	FD	49206	144.828	145.449	145.707	146.318	146.345
Finished goods ²	00/82	FD	49207	257.643	257.048	257.063	259.478	261.952
Finished goods less energy ²	00/82	FD	49208	258.555	259.416	259.335	262.300	262.445
Finished goods, excluding foods ^{2, 4}	00/82	FD	49209	252.509	251.310	251.593	252.196	255.454
Finished services ²	01/10	FD	49210	142.963	143.626	143.976	144.323	144.327
Private capital investment services.....	04/10	FD	49211	148.221	149.855	150.668	152.130	151.290
Finished distributive services ^{2, 5}	04/10	FD	49212	148.638	150.284	150.035	150.742	150.873
Finished services less trade services ²	04/10	FD	49213	139.566	139.732	140.295	140.429	140.414
Finished services less distributive services ^{2, 5}	04/10	FD	49214	139.079	139.286	139.907	140.087	140.032
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	146.240	147.243	147.700	148.583	148.264
Finished goods plus finished distributive services ²	04/10	FD	49216	146.034	146.655	146.541	147.580	148.362
Total exports.....	04/10	FD	49301	142.516	142.677	143.222	143.747	143.834
Goods for export.....	00/82	FD	49302	231.517	231.204	232.119	232.777	232.370
Services for export.....	04/10	FD	49303	157.579	158.222	158.799	159.544	160.078
Total government purchases.....	04/10	FD	49401	139.622	139.274	139.821	139.950	140.276
Government purchased goods.....	00/82	FD	49402	231.400	228.497	229.421	229.428	230.399
Government purchased services.....	04/10	FD	49403	138.777	139.470	140.135	140.384	140.535
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	136.317	137.234	137.587	138.356	138.009
Government purchases, defense.....	05/15	FD	49405	125.253	125.096	125.650	125.997	126.160
Government purchases, non-defense.....	05/15	FD	49406	134.387	133.982	134.479	134.520	134.890
Personal consumption.....	01/10	FD	49501	143.579	143.851	144.060	144.588	145.093
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	274.213	273.137	273.024	276.296	279.674
Personal consumption goods less energy.....	00/82	FD	49503	279.132	280.205	279.877	284.395	284.373
Personal consumption goods less foods.....	00/82	FD	49504	272.111	269.858	270.124	270.819	275.838
Personal consumption nondurable goods less foods.....	00/82	FD	49508	306.388	302.901	303.285	304.168	311.281
Personal consumption services.....	04/10	FD	49505	141.617	142.127	142.408	142.585	142.716
Personal consumption less trade services.....	04/10	FD	49506	141.187	141.132	141.570	142.139	142.630
Personal consumption less distributive services ⁵	04/10	FD	49507	140.956	140.919	141.389	142.002	142.486
Personal consumption less foods and energy.....	04/14	FD	49510	132.605	133.061	133.306	133.494	133.623
Personal consumption less foods, energy, and trade services ³	04/14	FD	49511	130.638	130.792	131.313	131.460	131.474
Personal consumption less foods, energy, and distributive services ⁵	04/14	FD	49512	130.715	130.898	131.461	131.642	131.628
Personal consumption goods plus personal consumption distributive services ⁵	08/13	FD	49509	133.831	134.177	133.837	134.722	135.786
Intermediate Demand by Commodity Type								
Processed goods								
Processed goods for intermediate demand.....	00/82	ID6	1	255.222	252.977	254.062	254.076	254.866
Materials and components for manufacturing.....	00/82	ID6	11	233.824	233.406	233.741	234.466	234.354
Materials for manufacturing.....		ID6	111	143.811	143.434	143.715	144.250	144.109
Materials for food manufacturing.....	00/82	ID6	1111	259.031	261.225	259.962	263.281	264.996
Materials for nondurable manufacturing.....	00/82	ID6	1112	265.521	263.447	262.744	261.384	262.101
Materials for durable manufacturing.....	00/82	ID6	1113	269.757	269.372	272.197	274.929	272.569
Components for manufacturing.....	00/82	ID6	112	191.248	191.159	191.275	191.679	191.741
Components for nondurable manufacturing.....		ID6	1121	148.378	148.242	148.418	148.395	148.397
Components for durable manufacturing.....		ID6	1122	134.991	134.932	135.009	135.310	135.356
Materials and components for construction.....	00/82	ID6	12	354.515	354.653	355.999	357.138	357.679
Materials for construction.....		ID6	121	169.168	169.517	170.559	171.394	171.878
Components for construction.....		ID6	122	179.739	179.569	179.913	180.243	180.326
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	236.214	225.247	228.698	225.994	229.682
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	244.750	237.217	241.808	237.060	239.633

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Aug. 2024	Sept. 2024 ^P	Oct. 2024 ^P	Nov. 2024 ^P	Dec. 2024 ^P
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	233.791	221.723	224.818	222.759	226.805
Containers for intermediate demand.....	00/82	ID6	14	309.891	311.188	312.670	312.857	313.423
Supplies for intermediate demand.....	00/82	ID6	15	252.219	252.727	253.079	253.591	253.761
Supplies to manufacturing industries.....	00/82	ID6	151	250.185	250.766	251.169	252.065	252.097
Supplies to nonmanufacturing industries.....	00/82	ID6	152	250.532	251.026	251.366	251.814	252.005
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	215.770	216.426	218.490	216.998	217.197
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	257.065	257.541	257.661	258.364	258.555
Unprocessed goods								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	243.608	239.769	245.507	245.867	253.638
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	219.129	227.645	225.230	231.309	231.671
Unprocessed nonfood materials.....	00/82	ID6	22	250.796	238.105	249.545	245.714	258.554
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	325.454	305.387	316.254	312.166	310.199
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	299.649	280.088	290.555	286.505	284.568
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	378.729	380.531	382.471	384.336	384.959
Unprocessed fuel.....	00/82	ID6	222	97.659	99.521	111.497	108.336	148.561
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	213.536	211.425	222.185	216.967	232.528
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	93.914	96.053	108.440	105.304	148.067
Services								
Services for intermediate demand.....		ID6	3	151.812	152.156	152.345	151.890	152.533
Trade services for intermediate demand ⁵		ID6	33	177.886	178.480	179.072	179.276	179.516
Trade services for manufacturing industries.....	12/12	ID6	331	161.595	161.944	163.206	163.039	162.983
Trade services for nonmanufacturing industries.....	12/12	ID6	332	159.180	159.894	159.732	160.252	160.727
Transportation and warehousing services for intermediate demand.....		ID6	32	160.582	160.787	161.375	161.640	163.164
Transportation of passengers for intermediate demand.....		ID6	321	131.784	133.171	136.316	134.236	143.782
Transportation of passengers for manufacturing industries.....		ID6	3211	131.850	133.264	136.471	134.348	144.078
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	131.837	133.221	136.359	134.284	143.809
Transportation and warehousing of goods for intermediate demand.....		ID6	322	163.608	163.703	164.053	164.538	165.315
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	131.503	131.347	131.257	130.959	131.377
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	147.444	147.597	148.021	148.658	149.418
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	143.160	143.473	143.501	142.777	143.338
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	134.868	135.288	135.517	135.568	135.774
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	143.423	143.732	143.753	143.002	143.576
Construction								
Construction for intermediate demand.....		ID6	4	152.528	152.528	152.540	152.713	152.857
Intermediate Demand by Commodity Type Special Groupings								
Processed materials less foods and feeds.....	00/82	ID6	9111	256.211	253.539	254.740	254.556	255.319
Processed foods and feeds.....	00/82	ID6	9112	245.817	247.751	247.679	249.630	250.692
Processed energy goods.....	00/82	ID6	9113	237.311	226.292	229.760	227.045	230.750
Processed materials less energy.....	00/82	ID6	9118	256.619	256.584	257.062	257.755	257.811
Processed materials less foods and energy.....	00/82	ID6	9115	257.514	257.225	257.772	258.300	258.227
Intermediate distributive services ⁶	04/10	ID6	9116	169.151	169.520	169.999	170.322	170.792
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	146.944	146.153	146.712	146.805	147.245
Unprocessed materials less agricultural products.....	00/82	ID6	9211	259.716	244.611	257.653	252.178	265.773
Unprocessed energy materials ⁷	00/82	ID6	9212	189.255	171.157	183.538	177.979	195.838
Unprocessed materials less energy.....	00/82	ID6	9213	272.210	280.545	280.227	285.542	283.840
Unprocessed nonfood materials less energy ⁸	00/82	ID6	9216	430.441	437.975	444.220	446.998	438.891
Intermediate Demand by Production Flow								
Stage 4 Intermediate Demand								
Stage 4 intermediate demand.....		ID5	4	151.993	151.999	152.460	152.448	153.130
Inputs to stage 4 goods producers.....		ID5	41	146.860	147.194	147.636	148.181	148.417
Goods.....		ID5	411	138.635	139.134	139.123	139.905	140.237
Foods.....		ID5	4111	139.914	142.147	141.779	145.974	148.003
Energy.....		ID5	4112	130.773	134.366	131.877	130.504	132.971
Goods excluding foods and energy.....		ID5	4113	138.621	138.825	138.892	139.171	139.224
Services.....		ID5	412	174.238	174.025	175.975	175.731	175.643
Trade services.....		ID5	4123	186.929	186.500	189.159	188.770	188.369
Transportation and warehousing services.....		ID5	4122	136.833	137.020	137.375	136.667	138.498
Transportation of passengers.....		ID5	41221	131.869	133.284	136.494	134.369	144.106
Transportation and warehousing of goods.....		ID5	41222	146.867	146.825	146.642	146.165	146.566
Services less trade, transportation, and warehousing.....		ID5	4121	135.335	135.627	135.896	136.233	136.441
Inputs to stage 4 services producers.....		ID5	42	151.427	151.378	151.781	151.402	152.269

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Aug. 2024	Sept. 2024 ^P	Oct. 2024 ^P	Nov. 2024 ^P	Dec. 2024 ^P
Goods.....		ID5	421	147.248	147.217	147.820	147.835	148.358
Foods.....		ID5	4211	149.897	152.624	152.927	155.699	155.299
Energy.....		ID5	4212	140.357	138.455	139.993	138.473	140.342
Goods excluding foods and energy.....		ID5	4213	149.592	149.803	149.946	150.003	150.021
Services.....		ID5	422	152.591	152.535	152.873	152.362	153.343
Trade services.....		ID5	4223	167.803	167.891	168.983	169.535	169.780
Transportation and warehousing services.....		ID5	4222	156.643	156.869	157.894	157.976	160.037
Transportation of passengers.....		ID5	42221	131.386	132.787	135.965	133.861	143.505
Transportation and warehousing of goods.....		ID5	42222	161.583	161.612	162.275	162.728	163.510
Services less trade, transportation, and warehousing.....		ID5	4221	149.450	149.350	149.532	148.850	149.790
Construction.....		ID5	423	152.528	152.528	152.540	152.713	152.857
Inputs to stage 4 construction producers.....		ID5	43	163.226	162.732	163.465	163.740	164.634
Goods.....		ID5	431	167.192	166.463	167.391	168.058	169.183
Energy.....		ID5	4312	140.795	130.822	132.127	132.161	141.549
Goods excluding foods and energy.....		ID5	4313	173.678	173.862	174.773	175.519	175.841
Services.....		ID5	432	152.994	153.086	153.332	152.633	152.948
Trade services.....		ID5	4323	170.421	170.420	171.363	169.796	170.206
Transportation and warehousing services.....		ID5	4322	147.003	146.502	146.038	145.190	146.002
Transportation of passengers.....		ID5	43221	137.467	138.939	142.279	140.068	150.200
Transportation and warehousing of goods.....		ID5	43222	148.013	147.462	146.905	146.085	146.676
Services less trade, transportation, and warehousing.....		ID5	4321	134.915	135.305	135.230	135.338	135.373
Stage 3 Intermediate Demand								
Stage 3 intermediate demand.....		ID5	3	147.624	147.541	147.775	147.895	148.279
Inputs to stage 3 goods producers.....		ID5	31	155.310	156.386	156.162	157.094	157.149
Goods.....		ID5	311	150.547	151.719	151.347	152.703	152.684
Foods.....		ID5	3111	169.284	175.469	173.143	176.749	175.705
Energy.....		ID5	3112	126.661	118.928	121.263	122.292	128.623
Goods excluding foods and energy.....		ID5	3113	148.158	147.737	148.051	148.518	148.562
Services.....		ID5	312	163.223	163.855	164.222	163.461	163.794
Trade services.....		ID5	3123	168.734	169.877	170.717	169.712	169.745
Transportation and warehousing services.....		ID5	3122	150.535	150.201	149.945	149.326	150.316
Transportation of passengers.....		ID5	31221	140.405	141.911	145.326	143.065	153.428
Transportation and warehousing of goods.....		ID5	31222	150.881	150.447	149.988	149.461	149.931
Services less trade, transportation, and warehousing.....		ID5	3121	138.141	138.879	138.905	138.759	138.725
Inputs to stage 3 services producers.....		ID5	32	140.752	139.823	140.408	139.936	140.549
Goods.....		ID5	321	120.599	114.391	116.165	115.079	115.617
Foods.....		ID5	3211	153.279	151.884	151.714	152.393	151.771
Energy.....		ID5	3212	115.734	105.516	108.259	106.411	107.281
Goods excluding foods and energy.....		ID5	3213	137.992	137.977	138.294	138.372	138.414
Services.....		ID5	322	145.815	146.264	146.543	146.225	146.863
Trade services.....		ID5	3223	200.725	202.172	202.212	202.394	203.352
Transportation and warehousing services.....		ID5	3222	171.652	172.110	172.646	173.810	174.639
Transportation of passengers.....		ID5	32221	104.195	104.254	104.382	104.382	104.876
Transportation and warehousing of goods.....		ID5	32222	172.202	172.661	173.199	174.370	175.201
Services less trade, transportation, and warehousing.....		ID5	3221	135.937	136.325	136.548	135.791	136.360
Construction.....		ID5	323	152.528	152.528	152.540	152.713	152.857
Inputs to stage 3 construction producers.....		ID5	33	142.751	143.258	142.447	142.872	143.412
Goods.....		ID5	331	134.675	135.338	135.373	136.009	136.464
Goods excluding foods and energy.....		ID5	3313	171.609	172.453	172.498	173.308	173.887
Services.....		ID5	332	171.305	171.693	169.764	169.992	170.705
Trade services.....		ID5	3323	176.330	176.701	174.527	174.829	175.644
Transportation and warehousing services.....		ID5	3322	117.936	118.367	118.638	118.857	119.085
Transportation and warehousing of goods.....		ID5	33222	124.486	124.941	125.227	125.459	125.699
Services less trade, transportation, and warehousing.....		ID5	3321	128.260	128.834	128.971	128.213	127.831
Stage 2 Intermediate Demand								
Stage 2 intermediate demand.....		ID5	2	136.173	134.673	136.329	135.040	137.086
Inputs to stage 2 goods producers.....		ID5	21	121.206	117.928	120.993	119.680	122.968
Goods.....		ID5	211	114.551	109.819	113.889	112.038	116.413
Foods.....		ID5	2111	136.516	137.737	141.716	139.131	139.498
Energy.....		ID5	2112	83.909	76.010	81.662	79.197	86.878
Goods excluding foods and energy.....		ID5	2113	144.218	144.349	145.019	144.716	143.576
Services.....		ID5	212	154.913	156.061	156.166	156.473	156.554
Trade services.....		ID5	2123	176.033	178.258	178.077	179.741	178.859
Transportation and warehousing services.....		ID5	2122	170.896	171.268	172.059	172.411	173.140
Transportation of passengers.....		ID5	21221	132.427	133.782	136.854	134.825	144.155
Transportation and warehousing of goods.....		ID5	21222	173.087	173.412	174.094	174.563	174.875
Services less trade, transportation, and warehousing.....		ID5	2121	140.720	141.589	141.362	140.120	140.680
Construction.....		ID5	213	152.528	152.528	152.540	152.713	152.857

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Aug. 2024	Sept. 2024 ^P	Oct. 2024 ^P	Nov. 2024 ^P	Dec. 2024 ^P
Inputs to stage 2 services producers.....		ID5	22	149.964	150.713	150.570	149.356	149.797
Goods.....		ID5	221	144.355	143.786	143.874	143.720	143.972
Foods.....		ID5	2211	113.345	113.942	116.825	116.490	117.008
Energy.....		ID5	2212	143.715	134.611	135.267	133.549	137.868
Goods excluding foods and energy.....		ID5	2213	145.122	145.098	145.112	145.063	145.044
Services.....		ID5	222	150.162	151.087	150.912	149.540	150.010
Trade services.....		ID5	2223	200.337	200.786	197.505	200.246	203.685
Transportation and warehousing services.....		ID5	2222	150.940	151.102	151.940	152.089	153.552
Transportation of passengers.....		ID5	22221	132.310	133.718	136.914	134.799	144.495
Transportation and warehousing of goods.....		ID5	22222	154.960	154.893	155.302	155.866	155.824
Services less trade, transportation, and warehousing.....		ID5	2221	148.659	149.669	149.562	147.878	148.139
Construction.....		ID5	223	152.528	152.528	152.540	152.713	152.857
Stage 1 Intermediate Demand								
Stage 1 intermediate demand.....		ID5	1	146.757	146.078	146.366	146.195	146.558
Inputs to stage 1 goods producers.....		ID5	11	141.465	141.299	141.322	141.625	141.530
Goods.....		ID5	111	137.209	136.856	136.773	137.191	136.894
Foods.....		ID5	1111	129.225	131.038	130.446	134.198	135.590
Energy.....		ID5	1112	119.657	117.618	116.901	115.843	117.246
Goods excluding foods and energy.....		ID5	1113	146.317	145.993	146.147	146.364	145.362
Services.....		ID5	112	157.323	157.692	158.019	157.998	158.485
Trade services.....		ID5	1123	169.497	169.841	170.373	170.100	170.633
Transportation and warehousing services.....		ID5	1122	160.345	161.245	163.128	163.576	166.225
Transportation of passengers.....		ID5	11221	131.844	133.259	136.468	134.343	144.079
Transportation and warehousing of goods.....		ID5	11222	165.588	166.350	167.882	168.965	169.822
Services less trade, transportation, and warehousing.....		ID5	1121	115.816	116.077	115.879	116.100	116.140
Construction.....		ID5	113	152.528	152.528	152.540	152.713	152.857
Inputs to stage 1 services producers.....		ID5	12	148.815	147.899	148.313	147.835	148.494
Goods.....		ID5	121	145.438	142.593	143.460	142.981	143.243
Foods.....		ID5	1211	173.848	166.315	144.388	156.470	167.888
Energy.....		ID5	1212	147.683	138.414	141.113	139.145	139.717
Goods excluding foods and energy.....		ID5	1213	152.164	152.226	152.433	152.545	152.598
Services.....		ID5	122	149.551	149.450	149.672	149.195	150.019
Trade services.....		ID5	1223	179.267	179.888	180.252	180.435	181.179
Transportation and warehousing services.....		ID5	1222	147.154	147.630	149.024	148.657	152.580
Transportation of passengers.....		ID5	12221	131.766	133.179	136.386	134.263	143.992
Transportation and warehousing of goods.....		ID5	12222	170.993	171.026	171.614	172.132	173.416
Services less trade, transportation, and warehousing.....		ID5	1221	145.230	144.978	145.016	144.465	144.847
Construction.....		ID5	123	152.528	152.528	152.540	152.713	152.857
Inputs to stage 1 construction producers.....		ID5	13	163.601	162.530	163.003	162.928	163.219
Goods.....		ID5	131	164.715	163.107	164.241	164.286	164.387
Energy.....		ID5	1312	124.394	108.647	113.493	110.520	108.847
Goods excluding foods and energy.....		ID5	1313	172.268	172.342	173.045	173.456	173.773
Services.....		ID5	132	161.912	162.148	161.003	160.634	161.392
Trade services.....		ID5	1323	172.140	172.685	171.287	171.039	171.882
Transportation and warehousing services.....		ID5	1322	121.514	120.907	120.403	119.692	120.252
Transportation and warehousing of goods.....		ID5	13222	125.691	125.062	124.542	123.806	124.385
Services less trade, transportation, and warehousing.....		ID5	1321	144.153	144.744	144.683	144.994	144.861
Intermediate Demand by Production Flow Special Groupings								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	143.907	143.993	144.351	144.867	145.407
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	155.544	155.478	156.023	155.533	156.324
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	151.264	151.265	151.276	151.448	151.591
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	141.043	143.435	143.357	146.861	147.823
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	128.559	125.807	127.058	125.895	128.726
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	147.796	147.995	148.275	148.616	148.725
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	135.733	135.045	135.219	135.904	136.028
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	147.812	148.287	148.558	148.176	148.760
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	151.264	151.265	151.276	151.448	151.591
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	150.550	155.997	153.942	157.129	156.203
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	115.140	105.486	108.116	106.731	108.395
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	140.750	140.431	140.728	141.121	141.172
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	111.982	107.892	111.370	109.777	113.531
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	151.784	152.765	152.656	151.676	152.056
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	151.264	151.265	151.276	151.448	151.591
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	137.065	138.285	142.273	139.707	140.078
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	82.824	75.076	80.554	78.149	85.633
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	136.188	136.277	136.765	136.535	135.707
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	128.482	127.239	127.630	127.679	127.640

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	Aug. 2024	Sept. 2024 ^p	Oct. 2024 ^p	Nov. 2024 ^p	Dec. 2024 ^p
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	150.913	150.916	151.066	150.677	151.434
Total construction inputs to stage 1 intermediate demand.....	04/10	ID5	9117	151.264	151.265	151.276	151.448	151.591
Total foods inputs to stage 1 intermediate demand.....	04/10	ID5	9114	122.563	124.051	122.999	126.721	128.262
Total energy goods inputs to stage 1 intermediate demand.....	04/10	ID5	9115	129.552	122.913	124.350	122.724	123.416
Total goods less foods and energy inputs to stage 1 intermediate demand.....	04/10	ID5	9116	127.220	127.118	127.354	127.541	127.204

¹ 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.

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

³ Trade indexes measure changes in margins received by wholesalers and retailers.

⁴ 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.

⁵ Distributive services include transportation, warehousing, and trade of goods.

⁶ Includes intermediate trade, transportation, and warehousing services.

⁷ Includes crude petroleum.

⁸ Excludes crude petroleum.

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"/" Data not available.