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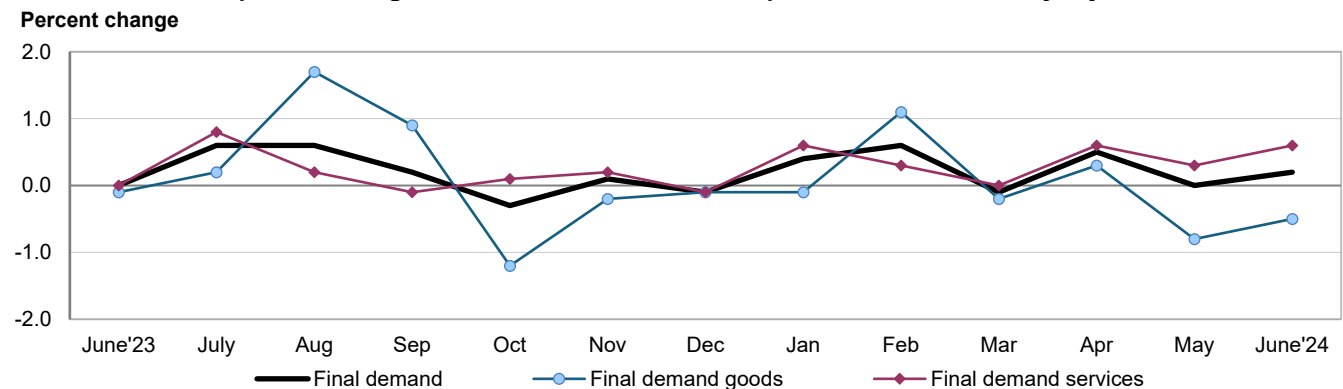
### PRODUCER PRICE INDEXES – JUNE 2024

The Producer Price Index for final demand advanced 0.2 percent in June, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. Final demand prices were unchanged in May and increased 0.5 percent in April. (See table A.) On an unadjusted basis, the index for final demand rose 2.6 percent for the 12 months ended in June, the largest advance since moving up 2.7 percent for the 12 months ended March 2023.

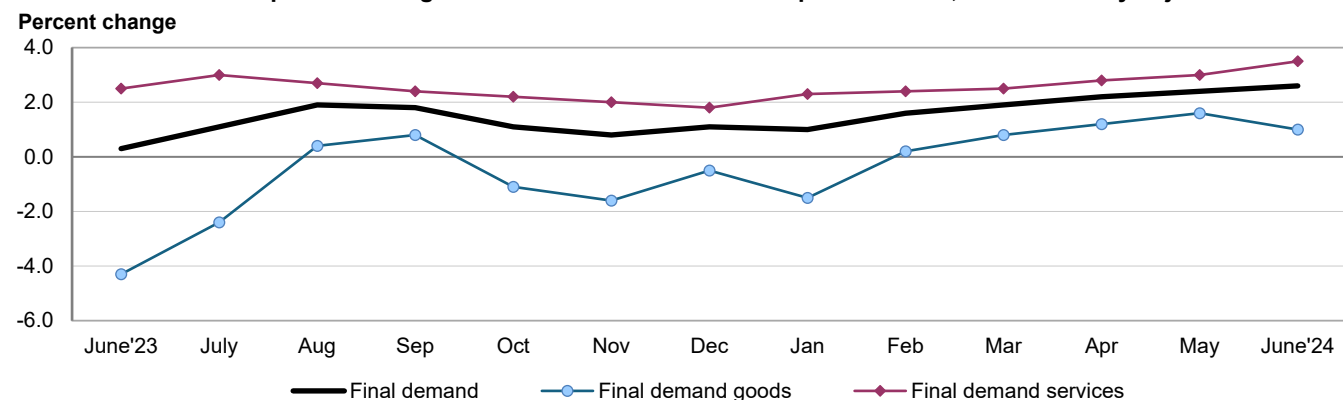
The June rise in the index for final demand can be traced to a 0.6-percent increase in prices for final demand services. In contrast, the index for final demand goods decreased 0.5 percent.

Prices for final demand less foods, energy, and trade services were unchanged in June following a 0.2-percent advance in May. For the 12 months ended in June, the index for final demand less foods, energy, and trade services moved up 3.1 percent.

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



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



## Final Demand

**Final demand services:** Prices for final demand services rose 0.6 percent in June after moving up 0.3 percent in May. Nearly all the June increase is attributable to a 1.9-percent jump in margins for final demand trade services. (Trade indexes measure changes in margins received by wholesalers and retailers.) The index for final demand services less trade, transportation, and warehousing inched up 0.1 percent. Conversely, prices for final demand transportation and warehousing services fell 0.4 percent.

*Product detail:* Over one-quarter of the June advance in prices for final demand services can be traced to a 3.7-percent rise in margins for machinery and vehicle wholesaling. The indexes for automobiles and automobile parts retailing; deposit services (partial); fuels and lubricants retailing; computer hardware, software, and supplies retailing; and professional and commercial equipment wholesaling also moved higher. In contrast, prices for truck transportation of freight declined 1.2 percent. The indexes for residential real estate loans (partial) and for machinery and equipment parts and supplies wholesaling also decreased. (See table 2.)

**Final demand goods:** Prices for final demand goods moved down 0.5 percent in June after falling 0.8 percent in May. Most of the June decrease is attributable to a 2.6-percent drop in the index for final demand energy. Prices for final demand foods declined 0.3 percent, while the index for final demand goods less foods and energy was unchanged.

*Product detail:* Over 60 percent of the June decrease in the index for final demand goods can be traced to a 5.8-percent decline in prices for gasoline. The indexes for processed poultry, residential electric power, diesel fuel, jet fuel, and fresh and dry vegetables also moved lower. Conversely, prices for chicken eggs increased 55.4 percent. The indexes for residential natural gas and for aluminum base scrap also advanced.

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

Month	Total final demand	Final demand less foods, energy, and trade	Final demand goods				Final demand services				Change in final demand from 12 months ago (unadj.)	Change in final demand less foods, energy, and trade from 12 mo. ago (unadj.)
			Total	Foods	Energy	Less foods and energy	Total	Trade	Transportation and warehousing	Other		
<b>2023</b>												
June...	0.0	0.2	-0.1	-0.4	0.4	-0.1	0.0	-0.8	-0.3	0.5	0.3	2.9
July....	0.6	0.2	0.2	0.3	0.8	0.0	0.8	1.7	0.2	0.4	1.1	2.9
Aug....	0.6	0.2	1.7	-0.4	8.9	0.1	0.2	-0.1	0.0	0.3	1.9	2.9
Sept...	0.2	0.3	0.9	0.4	3.2	0.3	-0.1	-1.1	0.4	0.3	1.8	2.9
Oct....	-0.3	0.1	-1.2	0.2	-6.4	0.1	0.1	0.0	0.5	0.1	1.1	2.8
Nov...	0.1	0.1	-0.2	0.7	-2.0	0.1	0.2	0.4	-0.2	0.1	0.8	2.5
Dec....	-0.1	0.3	-0.1	0.0	-0.8	0.1	-0.1	-1.2	-0.2	0.5	1.1	2.7
<b>2024</b>												
Jan... .	0.4	0.6	-0.1	-0.3	-1.1	0.3	0.6	0.1	-0.2	0.9	1.0	2.7
Feb. <sup>1</sup> ..	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. <sup>1</sup> ..	-0.1	0.2	-0.2	0.3	-1.3	0.0	0.0	-0.8	0.2	0.3	1.9	2.9
Apr. <sup>1</sup> ..	0.5	0.5	0.3	-0.8	1.8	0.2	0.6	0.6	-0.5	0.7	2.2	3.2
May <sup>1</sup> ..	0.0	0.2	-0.8	0.0	-4.6	0.2	0.3	0.7	-0.8	0.2	2.4	3.3
June...	0.2	0.0	-0.5	-0.3	-2.6	0.0	0.6	1.9	-0.4	0.1	2.6	3.1

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

## Intermediate Demand by Commodity Type

Within intermediate demand in June, prices for processed goods fell 0.2 percent, the index for unprocessed goods advanced 1.4 percent, and prices for services rose 0.2 percent. (See tables B and C.)

**Processed goods for intermediate demand:** The index for processed goods for intermediate demand fell 0.2 percent in June after moving down 1.4 percent in May. Most of the June decrease can be attributed to a 1.1-percent decline in prices for processed energy goods. The index for processed materials less foods and energy edged down 0.1 percent. In contrast, prices for processed foods and feeds advanced 0.2 percent. For the 12 months ended in June, the index for processed goods for intermediate demand fell 0.5 percent.

*Product detail:* Sixty percent of the June decrease in prices for processed goods for intermediate demand can be attributed to a 5.8-percent decline in the index for gasoline. Prices for diesel fuel, primary basic organic chemicals, commercial electric power, processed poultry, and jet fuel also fell. Conversely, the index for confectionery materials advanced 8.1 percent. Prices for industrial electric power and for aluminum mill shapes also moved higher.

**Unprocessed goods for intermediate demand:** The index for unprocessed goods for intermediate demand rose 1.4 percent in June, the third consecutive advance. The June increase can be traced to prices for unprocessed energy goods, which moved up 4.7 percent. Conversely, the indexes for unprocessed foodstuffs and feedstuffs and for unprocessed nonfood materials less energy decreased, 0.3 percent and 0.4 percent, respectively. For the 12 months ended in June, prices for unprocessed goods for intermediate demand moved up 2.7 percent, the first increase since rising 2.8 percent for the 12 months ended January 2023.

*Product detail:* Leading the June advance in the index for unprocessed goods for intermediate demand, prices for natural gas jumped 36.3 percent. The indexes for raw milk, ungraded chicken eggs, slaughter chickens, aluminum base scrap, and slaughter sows also rose. In contrast, prices for slaughter barrows and gilts fell 16.0 percent. The indexes for nonferrous metal ores and for crude petroleum also declined.

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

Month	Processed goods for intermediate demand					Unprocessed goods for intermediate demand				
	Total	Foods and feeds	Energy goods	Less foods and energy	Total, change from 12 months ago (unadj.)	Total	Food-stuffs and feed-stuffs	Energy materials	Nonfood materials less energy	Total, change from 12 months ago (unadj.)
<b>2023</b>										
June.....	-0.5	-1.3	-0.6	-0.4	-9.4	-1.2	0.3	-2.8	-1.4	-32.1
July.....	-0.3	1.0	-0.2	-0.5	-7.6	2.5	-0.8	10.1	-2.9	-24.1
Aug.....	2.0	0.6	11.2	-0.2	-4.4	2.1	-0.1	6.0	-0.2	-26.2
Sept.....	0.5	0.7	2.1	0.0	-3.7	2.9	1.2	6.8	-0.4	-21.5
Oct.....	-1.0	-0.2	-4.3	-0.1	-4.6	-1.6	-2.1	-2.1	0.0	-14.8
Nov.....	-0.7	-0.5	-2.6	-0.3	-4.6	-2.1	-0.4	-5.3	0.7	-14.0
Dec.....	-0.4	0.1	-2.9	0.2	-2.8	-4.1	-3.3	-7.6	0.3	-18.7
<b>2024</b>										
Jan.....	-0.1	-1.7	-1.0	0.3	-3.7	1.6	-1.5	6.4	-1.3	-13.5
Feb. <sup>1</sup> .....	1.4	0.3	5.5	0.5	-2.0	-0.3	1.6	-1.1	-1.7	-9.3
Mar. <sup>1</sup> .....	-0.7	0.1	-1.4	-0.5	-1.9	-1.4	1.6	-5.4	0.5	-6.3
Apr. <sup>1</sup> .....	0.5	-0.3	1.8	0.2	-0.7	2.1	-0.6	6.0	0.4	-5.0
May <sup>1</sup> .....	-1.4	0.4	-7.5	0.0	-0.8	0.2	2.8	-3.4	1.8	0.0
June.....	-0.2	0.2	-1.1	-0.1	-0.5	1.4	-0.3	4.7	-0.4	2.7

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

**Services for intermediate demand:** The index for services for intermediate demand increased 0.2 percent in June, the fourth consecutive rise. Leading the June advance, prices for services less trade, transportation, and warehousing for intermediate demand moved up 0.3 percent. Margins for trade services for intermediate demand increased 0.5 percent. Conversely, the index for transportation and warehousing services for intermediate demand declined 0.4 percent. For the 12 months ended in June, prices for services for intermediate demand rose 3.8 percent.

*Product detail:* One-third of the June increase in the index for services for intermediate demand can be traced to a 3.8-percent advance in prices for gross rents for retail properties. The indexes for deposit services (partial); securities brokerage, dealing, investment advice, and related services; building materials, paint, and hardware wholesaling; fuels and lubricants retailing; and airline passenger services also moved higher. In contrast, prices for warehousing, storage, and related services declined 2.9 percent. The indexes for machinery and equipment parts and supplies wholesaling and for staffing services also decreased.

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

Month	Services for intermediate demand				Total, change from 12 months ago (unadj.)
	Total	Trade	Transportation and warehousing	Other	
<b>2023</b>					
June.....	0.0	-0.9	-0.2	0.3	4.4
July.....	0.7	2.1	0.9	0.2	4.7
Aug.....	-0.1	-0.6	-0.7	0.1	4.2
Sept.....	0.3	-0.4	0.8	0.4	4.0
Oct.....	0.0	1.5	0.4	-0.5	3.5
Nov.....	0.5	1.5	-0.2	0.4	3.2
Dec.....	0.5	-0.3	1.0	0.6	3.7
<b>2024</b>					
Jan.....	0.9	1.1	-0.1	1.0	3.6
Feb. <sup>1</sup> .....	0.0	-1.7	1.0	0.3	3.3
Mar. <sup>1</sup> .....	0.2	0.1	0.0	0.3	3.8
Apr. <sup>1</sup> .....	0.3	-0.4	0.5	0.4	3.4
May <sup>1</sup> .....	0.3	0.8	0.6	0.1	3.6
June.....	0.2	0.5	-0.4	0.3	3.8

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

**Stage 4 intermediate demand:** Prices for stage 4 intermediate demand edged up 0.1 percent in June after falling 0.1 percent in May. In June, the index for total services inputs to stage 4 intermediate demand advanced 0.3 percent. Conversely, prices for total goods inputs decreased 0.2 percent. (See table D.) Increases in the indexes for gross rents for retail properties; industrial electric power; securities brokerage, dealing, investment advice, and related services; deposit services (partial); and portfolio management outweighed declines in the indexes for gasoline; machinery and equipment parts and supplies wholesaling; warehousing, storage, and related services; and fabricated structural metal. For the 12 months ended in June, prices for stage 4 intermediate demand rose 2.3 percent, the largest advance since moving up 2.4 percent for the 12 months ended August 2023.

**Stage 3 intermediate demand:** The index for stage 3 intermediate demand was unchanged in June after declining 0.3 percent in May. In June, prices for total goods inputs to stage 3 intermediate demand edged down 0.1 percent, while the index for total services inputs was unchanged. Advances in prices for raw milk, ungraded chicken eggs, slaughter chickens, deposit services (partial), and gross rents for retail properties offset declines in the indexes for slaughter barrows and gilts, diesel fuel, jet fuel, cable network advertising time sales, and gasoline. For the 12 months ended in June, prices for stage 3 intermediate demand increased 1.2 percent, the largest rise since moving up 2.4 percent for the 12 months ended February 2023.

**Stage 2 intermediate demand:** The index for stage 2 intermediate demand advanced 0.8 percent in June after falling 0.2 percent in May. In June, prices for total goods inputs to stage 2 intermediate demand rose 1.6 percent, and the index for total services inputs increased 0.3 percent. Advances in the indexes for natural gas, deposit services (partial), fuels and lubricants retailing, aluminum base scrap, business loans (partial), and broadcast and network television advertising time sales outweighed decreases in prices for liquefied petroleum gas, oilseeds, and staffing services. For the 12 months ended in June, prices for stage 2 intermediate demand moved up 3.7 percent, the largest increase since rising 5.5 percent for the 12 months ended January 2023.

**Stage 1 intermediate demand:** The index for stage 1 intermediate demand edged up 0.1 percent in June following a 0.7-percent decrease in May. In June, prices for total services inputs to stage 1 intermediate demand advanced 0.5 percent. In contrast, the index for total goods inputs fell 0.3 percent. Increases in the indexes for gross rents for retail properties; securities brokerage, dealing, investment advice, and related services; building materials, paint, and hardware wholesaling; industrial electric power; and utility natural gas outweighed declines in prices for diesel fuel, gasoline, primary basic organic chemicals, and truck transportation of freight. For the 12 months ended in June, prices for stage 1 intermediate demand advanced 1.0 percent, the largest rise since moving up 3.8 percent for the 12 months ended February 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
<b>2023</b>												
June.....	0.0	-0.1	0.0	-0.3	-0.4	-0.2	-1.0	-2.0	-0.2	-0.3	-0.6	0.1
July.....	0.4	-0.1	0.8	-0.3	-1.3	0.6	1.9	3.9	0.6	0.1	-0.7	0.9
Aug.....	0.4	0.6	0.3	1.0	3.1	-0.6	0.7	2.2	-0.4	1.3	2.4	0.2
Sept.....	0.3	0.3	0.3	0.5	0.9	0.3	1.2	3.0	-0.1	0.3	0.3	0.2
Oct.....	-0.3	-0.5	-0.2	-0.5	-1.7	0.4	-0.3	-1.1	0.4	-0.4	-0.8	-0.1
Nov.....	0.2	-0.3	0.5	-0.2	-1.1	0.6	-1.0	-2.5	0.2	-0.2	-0.9	0.6
Dec.....	0.2	0.0	0.4	-0.3	-1.6	0.7	-1.1	-3.4	0.5	-0.2	-0.7	0.3
<b>2024</b>												
Jan.....	0.6	-0.1	1.2	0.3	0.0	0.6	1.2	1.7	0.8	0.4	-0.2	1.0
Feb. <sup>1</sup> .....	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. <sup>1</sup> .....	0.0	-0.4	0.4	-0.1	-0.3	0.0	-0.9	-2.5	0.1	-0.3	-0.9	0.3
Apr. <sup>1</sup> .....	0.3	0.3	0.3	0.2	0.2	0.2	1.3	2.8	0.3	0.3	0.4	0.1
May <sup>1</sup> .....	-0.1	-0.3	0.1	-0.3	-1.3	0.5	-0.2	-1.2	0.5	-0.7	-1.6	0.2
June.....	0.1	-0.2	0.3	0.0	-0.1	0.0	0.8	1.6	0.3	0.1	-0.3	0.5

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

**The Producer Price Index for July 2024 is scheduled to be released on Tuesday, August 13, 2024, at 8:30 a.m. (ET).**

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### Resampling of Industries – June 2024

Effective with the release of data for June 2024, the Producer Price Index (PPI) includes data for 10 resampled industries classified according to the 2022 North American Industry Classification System (NAICS). The Bureau of Labor Statistics periodically updates the sample of producers providing data for the PPI to reflect current conditions more accurately when the structure, membership, technology, or product mix of an industry shifts. The first results of this systematic process were published in July 1986. Subsequent efforts have been completed at regular intervals.

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

#### NAICS

<i>Code</i>	<i>Industry</i>
236222	New school building construction
311514	Dry, condensed, and evaporated dairy products
315120	Apparel knitting mills
325991	Custom compounding of purchased resins
333414	Heating equipment (except warm air furnaces) manufacturing
334413	Semiconductor and related device manufacturing
339115	Ophthalmic goods manufacturing
339995	Burial casket manufacturing
493130	Farm product warehousing and storage
621511	Medical laboratories

# Technical Note

## Brief Explanation of Producer Price Indexes

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

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

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

### Final Demand–Intermediate Demand Indexes

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



## Comparing the PPI with CPI

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

## Commodity Indexes

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

## Industry Net-Output Price Indexes

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

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

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

## Data Collection

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

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

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

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

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

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

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

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

## Weights

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

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

## Price Index Reference Base

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

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

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

## Calculating Index Changes

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

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

### *Index point change*

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

### *Index percent change*

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

## Seasonally Adjusted and Unadjusted Data

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

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

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

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

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

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

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

## Producer Price Index Data on the Internet

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

## Retrieving PPI data from the PPI Web site

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

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

### EXAMPLES

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

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

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

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

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

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

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

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

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

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

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

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

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

### Additional information

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

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

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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> June 2023 to June 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>	May to June <sup>P</sup>
<b>Final Demand</b>									
Final demand.....	FD	4	100.000	2.6	0.6	-0.1	0.5	0.0	0.2
Final demand goods.....	FD	41	30.162	1.0	1.1	-0.2	0.3	-0.8	-0.5
Final demand foods.....	FD	411	5.633	1.1	1.0	0.3	-0.8	0.0	-0.3
Finished consumer foods <sup>3</sup> .....	FD	4111	4.307	2.5	1.7	0.2	-0.7	-0.3	-0.1
Finished consumer foods, crude.....	FD	41113	0.351	3.0	10.4	-4.0	-4.5	-7.5	4.7
Finished consumer foods, processed.....	FD	41112	3.956	2.5	0.9	0.7	-0.3	0.3	-0.5
Government purchased foods.....	FD	4112	0.410	3.8	1.0	0.6	-0.7	0.1	0.1
Foods for export.....	FD	4113	0.916	-6.4	-2.5	0.7	-1.0	1.6	-1.7
Final demand energy.....	FD	412	5.517	-1.4	3.9	-1.3	1.8	-4.6	-2.6
Finished consumer energy goods <sup>3</sup> .....	FD	4121	4.292	-1.7	3.2	-1.1	1.8	-3.9	-2.8
Government purchased energy.....	FD	4122	0.834	-1.9	6.8	-1.6	1.4	-8.3	-2.4
Energy for export.....	FD	4123	0.391	3.0	6.1	-3.1	1.7	-5.1	-1.5
Final demand goods less foods and energy.....	FD	413	19.012	1.8	0.3	0.0	0.2	0.2	0.0
Finished goods less foods and energy <sup>3</sup> .....	FD	4131	10.933	2.2	0.4	0.2	0.1	0.2	0.1
Finished consumer goods less foods and energy.....	FD	41311	5.811	1.9	0.4	0.1	0.1	0.3	0.0
Nondurable consumer goods less foods and energy.....	FD	413111	3.522	2.5	0.5	0.0	0.1	0.5	0.0
Durable consumer goods.....	FD	413112	2.289	1.0	0.1	0.2	0.1	0.0	0.0
Private capital equipment.....	FD	41312	5.122	2.6	0.3	0.3	0.1	0.1	0.1
Private capital equipment for manufacturing industries.....	FD	413121	1.254	3.4	0.4	0.4	0.1	0.3	0.1
Private capital equipment for nonmanufacturing industries.....	FD	413122	3.868	2.3	0.3	0.3	0.1	0.1	0.1
Government purchased goods, excluding foods and energy.....	FD	4132	1.971	2.2	0.3	0.2	0.2	-0.1	0.0
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.146	0.8	0.4	0.2	0.3	-0.2	-0.1
Government purchased capital equipment.....	FD	41322	0.825	4.3	0.3	0.2	0.2	0.1	0.2
Goods for export, excluding foods and energy.....	FD	4133	6.108	0.9	0.3	-0.3	0.4	0.3	-0.1
Final demand services.....	FD	42	67.184	3.5	0.3	0.0	0.6	0.3	0.6
Final demand trade services <sup>4</sup> .....	FD	423	19.195	2.7	0.3	-0.8	0.6	0.7	1.9
Trade of finished goods <sup>3</sup> .....	FD	4231	16.558	2.2	0.4	-0.8	0.4	1.0	2.0
Trade of personal consumption goods.....	FD	42311	13.605	2.1	0.3	-0.5	-0.4	1.7	1.7
Trade of private capital equipment.....	FD	42312	2.953	2.7	0.8	-2.0	4.1	-2.5	3.6
Trade of government purchased goods.....	FD	4232	0.745	5.6	0.3	-0.8	2.0	-0.7	1.7
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.474	5.3	-0.4	0.2	0.0	1.2	0.6
Trade of government purchased capital equipment.....	FD	42322	0.271	6.0	1.3	-2.5	5.5	-3.8	3.5
Trade of exports.....	FD	4233	1.892	5.5	-0.5	-0.9	1.8	-0.7	1.3
Final demand transportation and warehousing services.....	FD	422	4.931	0.2	1.2	0.2	-0.5	-0.8	-0.4
Transportation of passengers for final demand.....	FD	4221	1.271	-1.5	3.1	1.7	-3.6	-3.9	1.1
Transportation of private passengers.....	FD	42211	0.857	-1.5	3.1	1.7	-3.6	-3.9	1.1
Transportation of government passengers.....	FD	42212	0.103	-1.5	3.0	1.7	-3.5	-3.9	1.1
Transportation of passengers for export.....	FD	42213	0.311	-1.5	3.1	1.8	-3.6	-3.9	1.1
Transportation and warehousing of goods for final demand.....	FD	4222	3.660	0.8	0.6	-0.3	0.6	0.3	-0.9
Transportation and warehousing of finished goods <sup>3</sup> .....	FD	42221	2.368	0.5	0.6	-0.4	0.6	0.3	-0.9
Transportation and warehousing of personal consumption goods.....	FD	422211	1.908	0.6	0.6	-0.4	0.6	0.3	-0.9
Transportation and warehousing of private capital equipment.....	FD	422212	0.460	0.0	0.5	-0.4	0.6	0.3	-1.0
Transportation and warehousing of government purchased goods.....	FD	42222	0.220	1.3	0.7	-0.2	0.8	0.2	-0.9
Transportation and warehousing of exports.....	FD	42223	1.072	1.5	0.4	-0.3	0.6	0.4	-0.7
Final demand services less trade, transportation, and warehousing.....	FD	421	43.059	4.2	0.3	0.3	0.7	0.2	0.1
Finished services less trade, transportation, and warehousing <sup>3</sup> .....	FD	4211	37.528	4.2	0.3	0.2	0.6	0.3	0.1
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	33.067	4.4	0.3	0.3	0.6	0.3	0.0
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	4.461	2.8	0.0	0.0	1.0	0.1	0.1
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.810	4.1	0.2	0.2	0.8	0.2	0.1
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.647	4.3	0.2	0.1	0.7	0.2	0.2
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.163	1.3	0.0	0.4	1.0	-0.2	-0.4
Services for export less trade, transportation, and warehousing.....	FD	4213	2.721	5.4	0.5	0.9	1.0	0.0	0.2
Final demand construction.....	FD	43	2.654	-0.6	0.0	0.1	0.1	0.0	0.4
Construction for private capital investment.....	FD	431	1.844	-0.7	0.0	0.1	0.0	0.0	0.4
Construction for government.....	FD	432	0.810	-0.5	0.0	0.1	0.2	-0.1	0.3
<b>Special Groupings of Final Demand</b>									
Final demand less exports.....	FD	49101	86.589	2.7	0.6	-0.1	0.5	0.0	0.3
Final demand less government.....	FD	49102	92.097	2.6	0.5	-0.1	0.5	0.1	0.2

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> June 2023 to June 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>	May to June <sup>P</sup>
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>5</sup> .....	FD	49103	88.421	3.0	0.4	0.0	0.5	0.3	0.5
Final demand less foods and energy <sup>5</sup> .....	FD	49104	88.850	3.0	0.3	0.0	0.5	0.3	0.4
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>5</sup> .....	FD	49105	93.938	2.7	0.6	-0.1	0.5	0.0	0.3
Final demand less foods <sup>5</sup> .....	FD	49106	94.367	2.7	0.6	-0.1	0.6	0.0	0.3
Final demand less energy.....	FD	49107	94.483	2.9	0.4	0.0	0.4	0.3	0.4
Final demand less trade services.....	FD	49108	80.805	2.6	0.7	0.1	0.5	-0.2	-0.2
Final demand less distributive services <sup>6</sup> .....	FD	49109	77.145	2.7	0.7	0.1	0.5	-0.2	-0.1
Final demand goods less energy.....	FD	49111	24.645	1.6	0.5	0.1	0.0	0.2	-0.1
Final demand goods less foods.....	FD	49112	24.529	1.0	1.2	-0.3	0.6	-0.9	-0.6
Final demand services less trade services.....	FD	49113	47.990	3.8	0.4	0.3	0.6	0.1	0.0
Final demand distributive services <sup>6</sup> .....	FD	49114	22.855	2.4	0.3	-0.7	0.6	0.7	1.5
Final demand goods plus final demand distributive services <sup>6</sup> .....	FD	49115	53.017	1.6	0.8	-0.4	0.5	-0.2	0.3
Final demand less foods, energy, and trade services <sup>5</sup> .....	FD	49116	69.655	3.1	0.4	0.2	0.5	0.2	0.0
Private and government purchased capital equipment.....	FD	49117	5.947	2.8	0.3	0.3	0.1	0.1	0.1
Private and government purchased capital investment services.....	FD	49118	8.308	2.7	0.3	-0.8	2.3	-1.0	1.4
Total private and government purchased capital investment.....	FD	49119	14.255	2.2	0.3	-0.3	1.2	-0.4	0.8
Total finished <sup>3</sup> .....	FD	49201	78.687	2.7	0.6	-0.1	0.5	0.1	0.3
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>3, 5</sup> .....	FD	49202	69.663	3.1	0.3	0.0	0.4	0.4	0.5
Total finished less foods and energy <sup>3, 5</sup> .....	FD	49203	70.088	3.1	0.3	0.0	0.4	0.4	0.5
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>3, 5</sup> .....	FD	49204	73.955	2.8	0.5	-0.1	0.5	0.1	0.3
Total finished less foods <sup>3, 5</sup> .....	FD	49205	74.380	2.8	0.5	-0.1	0.5	0.1	0.3
Total finished less energy <sup>3</sup> .....	FD	49206	74.395	3.0	0.4	0.0	0.4	0.3	0.5
Finished goods <sup>3</sup> .....	FD	49207	19.532	1.4	1.3	-0.1	0.3	-0.9	-0.6
Finished goods less energy <sup>3</sup> .....	FD	49208	15.240	2.3	0.7	0.2	-0.1	0.1	0.0
Finished goods, excluding foods <sup>3, 5</sup> .....	FD	49209	15.225	1.0	1.2	-0.2	0.6	-1.0	-0.8
Finished services <sup>3</sup> .....	FD	49210	57.311	3.4	0.4	0.0	0.5	0.4	0.6
Private capital investment services.....	FD	49211	7.874	2.6	0.3	-0.8	2.2	-0.9	1.3
Finished distributive services <sup>3, 6</sup> .....	FD	49212	18.926	2.0	0.4	-0.7	0.5	0.9	1.6
Finished services less trade services <sup>3</sup> .....	FD	49213	40.753	3.8	0.4	0.2	0.6	0.2	0.0
Finished services less distributive services <sup>3, 6</sup> .....	FD	49214	38.385	4.0	0.3	0.3	0.6	0.2	0.1
Total private capital investment (goods, services, and construction).....	FD	49215	14.840	2.2	0.3	-0.3	1.2	-0.4	0.8
Finished goods plus finished distributive services <sup>3, 6</sup> .....	FD	49216	38.458	1.7	0.9	-0.4	0.4	0.0	0.5
Total exports.....	FD	49301	13.411	2.0	0.3	-0.1	0.6	-0.1	0.0
Goods for export.....	FD	49302	7.415	0.1	0.3	-0.4	0.3	0.2	-0.3
Services for export.....	FD	49303	5.996	4.4	0.3	0.2	0.9	-0.4	0.4
Total government purchases.....	FD	49401	7.903	2.5	1.0	-0.1	0.6	-1.0	0.0
Government purchased goods.....	FD	49402	3.215	1.3	2.1	-0.2	0.4	-2.3	-0.6
Government purchased services.....	FD	49403	3.878	4.1	0.3	0.0	0.9	-0.1	0.4
Total government purchased capital investment (goods, services, construction).....	FD	49404	2.069	2.4	0.3	-0.2	1.0	-0.5	0.6
Government purchases, defense.....	FD	49405	2.356	3.3	1.4	-0.4	0.7	-1.2	-0.1
Government purchases, non-defense.....	FD	49406	5.547	2.1	0.9	0.0	0.6	-0.9	0.0
Personal consumption.....	FD	49501	63.847	2.9	0.7	0.0	0.3	0.2	0.2
Personal consumption goods (finished consumer goods).....	FD	49502	14.410	0.9	1.6	-0.2	0.4	-1.2	-0.9
Personal consumption goods less energy.....	FD	49503	10.118	2.2	0.9	0.2	-0.2	0.0	0.0
Personal consumption goods less foods.....	FD	49504	10.103	0.3	1.6	-0.4	0.9	-1.6	-1.2
Personal consumption nondurable goods less foods.....	FD	49508	7.814	0.1	2.0	-0.6	1.1	-2.0	-1.5
Personal consumption services.....	FD	49505	49.437	3.5	0.4	0.1	0.3	0.6	0.5
Personal consumption less trade services.....	FD	49506	50.242	3.1	0.8	0.1	0.5	-0.2	-0.2
Personal consumption less distributive services <sup>6</sup> .....	FD	49507	48.334	3.2	0.8	0.1	0.5	-0.2	-0.2
Personal consumption less foods and energy.....	FD	49510	55.248	3.3	0.4	0.1	0.2	0.6	0.4
Personal consumption less foods, energy, and trade services <sup>4</sup> .....	FD	49511	41.643	3.7	0.4	0.3	0.4	0.2	0.0
Personal consumption less foods, energy, and distributive services <sup>6</sup> .....	FD	49512	39.735	3.9	0.4	0.3	0.4	0.2	0.1
Personal consumption goods plus personal consumption distributive services <sup>6</sup> .....	FD	49509	29.923	1.4	1.0	-0.4	0.1	0.2	0.3
<b>Intermediate Demand by Commodity Type</b>									
<b>Processed goods</b>									
Processed goods for intermediate demand.....	ID6	1	100.000	-0.5	1.4	-0.7	0.5	-1.4	-0.2
Materials and components for manufacturing.....	ID6	11	43.169	-0.7	0.8	-0.6	0.2	0.0	-0.1
Materials for manufacturing.....	ID6	111	26.499	-1.9	1.2	-0.9	0.2	0.1	-0.2
Materials for food manufacturing.....	ID6	1111	4.375	4.4	1.6	0.8	0.0	0.5	0.1
Materials for nondurable manufacturing.....	ID6	1112	11.774	-2.1	0.8	0.2	0.7	-0.7	-0.4
Materials for durable manufacturing.....	ID6	1113	10.350	-4.1	1.4	-2.9	-0.2	0.8	-0.2
Components for manufacturing.....	ID6	112	16.670	1.4	0.2	-0.1	0.1	0.0	0.1

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> June 2023 to June 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>	May to June <sup>P</sup>
Components for nondurable manufacturing.....	ID6	1121	0.804	0.4	0.4	0.1	0.4	0.3	-0.1
Components for durable manufacturing.....	ID6	1122	15.866	1.4	0.2	-0.1	0.1	0.0	0.1
Materials and components for construction.....	ID6	12	10.782	1.4	0.2	-0.5	0.3	-0.1	0.0
Materials for construction.....	ID6	121	4.753	2.6	0.4	0.5	0.4	-0.4	0.3
Components for construction.....	ID6	122	6.029	0.5	0.1	-1.3	0.2	0.2	-0.2
Processed fuels and lubricants for intermediate demand.....	ID6	13	18.656	-1.7	5.5	-1.4	1.8	-7.5	-1.1
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.711	0.7	2.7	-1.1	1.6	-5.4	1.8
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	13.945	-2.5	6.5	-1.5	1.9	-8.2	-2.1
Containers for intermediate demand.....	ID6	14	3.090	-0.9	0.1	-0.2	0.4	0.5	0.2
Supplies for intermediate demand.....	ID6	15	24.303	-0.2	0.0	-0.2	0.1	0.1	0.0
Supplies to manufacturing industries.....	ID6	151	3.234	1.0	0.0	0.3	0.4	0.3	0.1
Supplies to nonmanufacturing industries.....	ID6	152	21.069	-0.4	0.0	-0.3	0.1	0.1	0.0
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	2.208	-9.2	-3.4	-2.1	-0.9	0.0	0.9
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	18.861	0.7	0.4	-0.1	0.2	0.1	-0.1
<b>Unprocessed goods</b>									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	2.7	-0.3	-1.4	2.1	0.2	1.4
Unprocessed foodstuffs and feedstuffs.....	ID6	21	37.665	-2.5	1.6	1.6	-0.6	2.8	-0.3
Unprocessed nonfood materials.....	ID6	22	62.334	6.2	-1.4	-3.3	3.8	-1.4	2.5
Unprocessed nonfood materials except fuel.....	ID6	221	51.132	4.9	2.0	1.1	4.7	-3.3	-0.3
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	48.525	4.8	2.1	1.1	5.0	-3.5	-0.3
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	2.607	6.4	0.0	0.4	0.4	-0.2	0.2
Unprocessed fuel.....	ID6	222	11.202	15.1	-15.9	-25.2	-3.0	12.9	21.6
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.016	9.5	1.0	-7.9	-1.1	3.8	4.3
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	10.186	16.0	-17.4	-27.2	-3.3	14.2	24.1
<b>Services</b>									
Services for intermediate demand.....	ID6	3	100.000	3.8	0.0	0.2	0.3	0.3	0.2
Trade services for intermediate demand <sup>4</sup> .....	ID6	33	18.284	4.1	-1.7	0.1	-0.4	0.8	0.5
Trade services for manufacturing industries.....	ID6	331	9.046	3.4	-2.5	0.2	-0.4	0.4	0.1
Trade services for nonmanufacturing industries.....	ID6	332	9.238	4.7	-0.9	0.0	-0.5	1.2	0.9
Transportation and warehousing services for intermediate demand.....	ID6	32	14.025	3.8	1.0	0.0	0.5	0.6	-0.4
Transportation of passengers for intermediate demand.....	ID6	321	1.039	-1.5	3.0	1.7	-3.5	-3.9	1.1
Transportation of passengers for manufacturing industries.....	ID6	3211	0.124	-1.5	3.1	1.8	-3.6	-3.9	1.1
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.915	-1.5	3.0	1.7	-3.5	-3.9	1.1
Transportation and warehousing of goods for intermediate demand.....	ID6	322	12.986	4.3	0.8	-0.2	0.9	1.0	-0.6
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.724	1.6	0.0	-0.2	1.0	0.2	-0.6
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	10.262	5.0	1.0	-0.2	0.8	1.2	-0.6
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	67.691	3.7	0.3	0.3	0.4	0.1	0.3
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.126	4.6	-0.1	0.2	0.5	0.2	0.2
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	65.565	3.7	0.3	0.3	0.4	0.1	0.3
<b>Construction</b>									
Construction for intermediate demand.....	ID6	4	100.000	2.0	0.1	0.6	0.2	0.2	0.4
<b>Special Groupings of Intermediate Demand by Commodity Type</b>									
Processed materials less foods and feeds.....	ID6	9111	91.107	-0.6	1.5	-0.7	0.6	-1.6	-0.3
Processed foods and feeds.....	ID6	9112	8.893	0.6	0.3	0.1	-0.3	0.4	0.2
Processed energy goods.....	ID6	9113	18.656	-1.7	5.5	-1.4	1.8	-7.5	-1.1
Processed materials less energy.....	ID6	9118	81.344	-0.3	0.5	-0.5	0.2	0.1	0.0
Processed materials less foods and energy.....	ID6	9115	72.451	-0.4	0.5	-0.5	0.2	0.0	-0.1
Intermediate distributive services <sup>7</sup> .....	ID6	9116	31.270	4.1	-0.7	0.0	0.1	0.8	0.1
Processed goods plus intermediate distributive services.....	ID6	9117	-	0.9	0.8	-0.5	0.4	-0.7	-0.1
Unprocessed materials less agricultural products.....	ID6	9211	57.180	10.2	-1.0	-3.8	4.6	-1.7	2.8
Unprocessed energy materials <sup>8</sup> .....	ID6	9212	37.534	13.7	-1.1	-5.4	6.0	-3.4	4.7
Unprocessed materials less energy.....	ID6	9213	62.466	-2.9	0.3	1.2	-0.2	2.4	-0.4
Unprocessed nonfood materials less energy <sup>9</sup> .....	ID6	9216	24.801	-3.4	-1.7	0.5	0.4	1.8	-0.4
<b>Intermediate Demand by Production Flow</b>									
<b>Stage 4 Intermediate Demand</b>									
Stage 4 intermediate demand.....	ID5	4	100.000	2.3	0.1	0.0	0.3	-0.1	0.1
Inputs to stage 4 goods producers.....	ID5	41	29.667	0.3	-0.3	-0.3	0.2	0.3	-0.1
Goods.....	ID5	411	21.624	-1.0	0.0	-0.4	0.1	0.3	-0.1

See footnotes at end of table.



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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> June 2023 to June 2024 <sup>P</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>	May to June <sup>P</sup>
Foods.....	ID5	4111	2.954	-6.0	-2.0	0.2	-0.1	1.1	-0.5
Energy.....	ID5	4112	0.170	-8.4	0.0	-7.2	2.6	-0.9	-1.1
Goods excluding foods and energy.....	ID5	4113	18.500	-0.1	0.3	-0.4	0.1	0.2	0.0
Services.....	ID5	412	8.043	3.8	-1.1	0.1	0.3	0.1	-0.2
Trade services.....	ID5	4123	6.035	4.0	-1.5	0.1	0.2	0.1	-0.3
Transportation and warehousing services.....	ID5	4122	0.492	1.4	0.2	0.2	0.1	-0.5	-0.2
Transportation of passengers.....	ID5	41221	0.076	-1.5	3.1	1.8	-3.6	-3.9	1.1
Transportation and warehousing of goods.....	ID5	41222	0.416	1.9	-0.3	-0.1	0.8	0.1	-0.4
Services less trade, transportation, and warehousing.....	ID5	4121	1.516	3.9	0.0	0.2	0.8	0.3	0.2
Inputs to stage 4 services producers.....	ID5	42	55.647	3.7	0.4	0.4	0.4	-0.2	0.2
Goods.....	ID5	421	13.690	0.9	1.3	-0.2	0.5	-1.0	-0.1
Foods.....	ID5	4211	2.275	1.7	0.9	0.9	0.0	0.6	-1.2
Energy.....	ID5	4212	4.008	0.5	3.6	-1.1	1.3	-3.7	0.3
Goods excluding foods and energy.....	ID5	4213	7.407	0.9	0.1	0.0	0.2	0.1	0.0
Services.....	ID5	422	41.904	4.7	0.1	0.5	0.4	0.0	0.3
Trade services.....	ID5	4223	4.118	4.8	-0.9	0.1	0.1	0.7	0.2
Transportation and warehousing services.....	ID5	4222	3.751	3.9	1.8	0.4	0.2	-0.1	-0.7
Transportation of passengers.....	ID5	42221	0.484	-1.5	3.1	1.7	-3.6	-3.9	1.1
Transportation and warehousing of goods.....	ID5	42222	3.267	4.7	1.6	0.1	0.8	0.4	-1.0
Services less trade, transportation, and warehousing.....	ID5	4221	34.035	4.7	0.0	0.6	0.4	0.0	0.5
Construction.....	ID5	423	0.053	2.0	0.1	0.6	0.2	0.2	0.4
Inputs to stage 4 construction producers.....	ID5	43	14.686	1.1	0.0	-0.5	0.3	-0.5	-0.1
Goods.....	ID5	431	10.699	0.8	0.6	-0.7	0.5	-0.8	-0.3
Energy.....	ID5	4312	0.763	-7.2	5.3	-1.8	3.2	-8.9	-4.4
Goods excluding foods and energy.....	ID5	4313	9.936	1.6	0.2	-0.6	0.2	-0.1	0.0
Services.....	ID5	432	3.987	1.6	-1.5	-0.1	-0.2	0.3	0.4
Trade services.....	ID5	4323	1.737	1.4	-3.4	-0.3	-1.2	0.3	1.2
Transportation and warehousing services.....	ID5	4322	0.661	0.2	0.4	-0.3	0.6	0.1	-0.9
Transportation of passengers.....	ID5	43221	0.015	-1.5	3.1	1.7	-3.6	-3.9	1.1
Transportation and warehousing of goods.....	ID5	43222	0.646	0.2	0.3	-0.4	0.7	0.2	-1.0
Services less trade, transportation, and warehousing.....	ID5	4321	1.589	2.6	-0.2	0.2	0.6	0.3	0.2
<b>Stage 3 Intermediate Demand</b>									
Stage 3 intermediate demand.....	ID5	3	100.000	1.2	1.0	-0.1	0.2	-0.3	0.0
Inputs to stage 3 goods producers.....	ID5	31	43.622	-0.5	0.7	-0.1	-0.3	0.5	0.3
Goods.....	ID5	311	33.726	-1.0	1.6	-0.2	-0.2	0.6	0.3
Foods.....	ID5	3111	10.039	1.0	3.6	1.4	-1.1	2.1	2.1
Energy.....	ID5	3112	1.161	-4.2	-1.5	-1.0	0.0	-4.2	-1.6
Goods excluding foods and energy.....	ID5	3113	22.526	-1.7	0.9	-0.8	0.1	0.1	-0.4
Services.....	ID5	312	9.896	1.1	-2.4	0.2	-0.6	0.1	0.1
Trade services.....	ID5	3123	5.529	0.8	-4.4	0.5	-1.4	0.0	0.6
Transportation and warehousing services.....	ID5	3122	2.903	0.7	0.3	-0.2	0.4	0.1	-0.7
Transportation of passengers.....	ID5	31221	0.148	-1.5	3.1	1.7	-3.6	-3.9	1.1
Transportation and warehousing of goods.....	ID5	31222	2.755	0.8	0.2	-0.4	0.7	0.3	-0.8
Services less trade, transportation, and warehousing.....	ID5	3121	1.464	3.3	-0.2	0.2	0.5	0.3	0.3
Inputs to stage 3 services producers.....	ID5	32	55.201	2.5	1.3	-0.1	0.5	-0.9	-0.3
Goods.....	ID5	321	9.933	-1.5	5.5	-0.8	1.5	-7.5	-1.6
Foods.....	ID5	3211	0.089	-1.3	-0.5	-0.1	-0.5	0.2	-0.2
Energy.....	ID5	3212	5.844	-3.5	9.1	-1.5	2.1	-12.3	-2.6
Goods excluding foods and energy.....	ID5	3213	4.000	1.4	0.3	0.3	0.5	0.1	-0.2
Services.....	ID5	322	44.663	3.4	0.3	0.0	0.3	0.6	0.0
Trade services.....	ID5	3223	2.808	3.5	-0.9	0.1	-0.9	1.5	1.2
Transportation and warehousing services.....	ID5	3222	10.562	6.0	1.1	-0.1	0.7	1.6	-0.5
Transportation of passengers.....	ID5	32221	0.021	-0.1	0.2	0.1	-0.2	-0.2	-0.1
Transportation and warehousing of goods.....	ID5	32222	10.541	6.1	1.1	-0.1	0.7	1.6	-0.5
Services less trade, transportation, and warehousing.....	ID5	3221	31.293	2.6	0.2	0.0	0.3	0.2	0.0
Construction.....	ID5	323	0.605	2.0	0.1	0.6	0.2	0.2	0.4
Inputs to stage 3 construction producers.....	ID5	33	1.176	3.4	-0.2	-0.5	0.5	0.1	0.5
Goods.....	ID5	331	0.571	1.6	0.3	0.3	1.0	-0.4	0.1
Goods excluding foods and energy.....	ID5	3313	0.571	1.6	0.3	0.3	1.0	-0.4	0.1
Services.....	ID5	332	0.605	5.1	-0.7	-1.4	0.0	0.4	0.9
Trade services.....	ID5	3323	0.558	5.3	-0.7	-1.5	0.0	0.5	1.0
Transportation and warehousing services.....	ID5	3322	0.016	3.5	-1.0	-0.2	1.0	0.3	0.1
Transportation and warehousing of goods.....	ID5	33222	0.016	3.5	-1.0	-0.2	1.0	0.3	0.1
Services less trade, transportation, and warehousing.....	ID5	3321	0.031	2.0	-0.3	0.4	0.0	0.0	-0.1
<b>Stage 2 Intermediate Demand</b>									

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			June 2023 to June 2024 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Stage 2 intermediate demand.....	ID5	2	100.000	3.7	0.1	-0.9	1.3	-0.2	0.8
Inputs to stage 2 goods producers.....	ID5	21	50.583	4.3	-0.7	-1.8	2.4	-0.8	1.4
Goods.....	ID5	211	35.955	4.2	-0.9	-2.8	3.2	-1.3	1.9
Foods.....	ID5	2111	4.053	-11.3	-5.7	-1.4	-0.6	1.6	-0.6
Energy.....	ID5	2112	16.236	14.1	-1.0	-5.1	6.0	-3.5	4.1
Goods excluding foods and energy.....	ID5	2113	15.666	-0.9	0.5	-0.6	1.1	0.4	0.1
Services.....	ID5	212	14.340	4.7	-0.1	0.5	0.6	0.4	0.2
Trade services.....	ID5	2123	5.608	6.3	-0.6	1.1	0.3	0.9	0.4
Transportation and warehousing services.....	ID5	2122	4.804	4.1	-0.3	0.1	1.3	0.1	0.0
Transportation of passengers.....	ID5	21221	0.178	-1.4	3.0	1.7	-3.4	-3.8	1.0
Transportation and warehousing of goods.....	ID5	21222	4.626	4.3	-0.4	0.0	1.5	0.3	0.0
Services less trade, transportation, and warehousing.....	ID5	2121	3.928	3.1	0.8	0.2	0.2	0.0	0.3
Construction.....	ID5	213	0.288	2.0	0.1	0.6	0.2	0.2	0.4
Inputs to stage 2 services producers.....	ID5	22	49.417	3.1	0.9	0.0	0.2	0.4	0.3
Goods.....	ID5	221	5.237	-0.9	0.8	-0.6	0.3	-0.7	-0.1
Foods.....	ID5	2211	0.050	-4.9	-1.2	-0.4	-0.9	0.1	0.5
Energy.....	ID5	2212	0.321	-4.1	7.8	-2.8	1.4	-10.2	-1.2
Goods excluding foods and energy.....	ID5	2213	4.866	-0.6	0.3	-0.4	0.2	0.0	0.0
Services.....	ID5	222	43.217	3.6	0.9	0.0	0.1	0.5	0.4
Trade services.....	ID5	2223	2.365	6.2	-0.3	0.4	-3.1	4.4	2.3
Transportation and warehousing services.....	ID5	2222	2.944	5.9	1.1	-0.9	0.8	3.3	-0.3
Transportation of passengers.....	ID5	22221	0.414	-1.5	3.1	1.7	-3.6	-3.9	1.1
Transportation and warehousing of goods.....	ID5	22222	2.530	7.2	0.8	-1.4	1.5	4.4	-0.5
Services less trade, transportation, and warehousing.....	ID5	2221	37.908	3.2	1.0	0.0	0.3	0.1	0.3
Construction.....	ID5	223	0.963	2.0	0.1	0.6	0.2	0.2	0.4
<b>Stage 1 Intermediate Demand</b>									
Stage 1 intermediate demand.....	ID5	1	100.000	1.0	0.4	-0.3	0.3	-0.7	0.1
Inputs to stage 1 goods producers.....	ID5	11	32.332	-2.1	-0.2	-1.3	0.0	-0.2	-0.1
Goods.....	ID5	111	23.262	-4.0	0.7	-1.8	0.2	-0.4	-0.3
Foods.....	ID5	1111	2.768	-14.2	-3.8	1.0	-1.2	2.6	-0.6
Energy.....	ID5	1112	3.428	-2.2	4.0	-3.7	1.0	-4.3	0.0
Goods excluding foods and energy.....	ID5	1113	17.066	-2.5	0.8	-1.8	0.2	0.0	-0.3
Services.....	ID5	112	9.069	3.0	-2.6	0.1	-0.4	0.3	0.6
Trade services.....	ID5	1123	5.496	2.4	-4.4	0.0	-1.3	0.5	0.8
Transportation and warehousing services.....	ID5	1122	0.607	3.1	0.3	0.2	0.4	-0.4	0.4
Transportation of passengers.....	ID5	11221	0.104	-1.5	3.1	1.8	-3.6	-3.9	1.1
Transportation and warehousing of goods.....	ID5	11222	0.503	4.2	-0.2	-0.1	1.3	0.3	0.3
Services less trade, transportation, and warehousing.....	ID5	1121	2.966	4.2	0.2	0.1	1.1	0.1	0.4
Construction.....	ID5	113	0.001	2.0	0.1	0.6	0.2	0.2	0.4
Inputs to stage 1 services producers.....	ID5	12	54.779	2.7	0.7	0.3	0.4	-0.9	0.2
Goods.....	ID5	121	16.052	0.0	2.3	-0.3	0.8	-3.3	-0.3
Foods.....	ID5	1211	0.064	7.6	13.1	-4.0	1.1	-6.0	7.3
Energy.....	ID5	1212	4.999	-2.8	6.9	-0.5	2.1	-10.1	-1.1
Goods excluding foods and energy.....	ID5	1213	10.989	1.3	0.2	-0.1	0.2	0.1	0.0
Services.....	ID5	122	38.724	3.9	0.0	0.5	0.2	0.1	0.4
Trade services.....	ID5	1223	3.825	3.2	-1.2	-0.2	-0.8	1.2	1.0
Transportation and warehousing services.....	ID5	1222	4.432	2.5	1.9	0.4	-0.8	-0.9	0.1
Transportation of passengers.....	ID5	12221	1.355	-1.5	3.1	1.8	-3.6	-3.9	1.1
Transportation and warehousing of goods.....	ID5	12222	3.077	4.4	1.4	-0.1	0.5	0.4	-0.4
Services less trade, transportation, and warehousing.....	ID5	1221	30.467	4.2	-0.1	0.6	0.5	0.1	0.4
Construction.....	ID5	123	0.003	2.0	0.1	0.6	0.2	0.2	0.4
Inputs to stage 1 construction producers.....	ID5	13	12.891	1.9	0.6	-0.3	0.3	-1.0	0.0
Goods.....	ID5	131	9.196	1.2	1.1	-0.1	0.4	-1.7	-0.2
Energy.....	ID5	1312	0.752	-8.6	11.1	0.3	2.9	-18.7	-2.3
Goods excluding foods and energy.....	ID5	1313	8.444	2.1	0.2	-0.1	0.2	0.0	0.0
Services.....	ID5	132	3.695	3.7	-0.6	-1.0	0.0	0.6	0.5
Trade services.....	ID5	1323	2.816	4.9	-1.0	-1.2	-0.2	0.6	0.9
Transportation and warehousing services.....	ID5	1322	0.783	-0.3	0.7	-0.4	0.6	0.3	-1.1
Transportation and warehousing of goods.....	ID5	13222	0.783	-0.3	0.7	-0.4	0.6	0.3	-1.1
Services less trade, transportation, and warehousing.....	ID5	1321	0.096	3.3	-0.6	0.4	0.4	0.8	0.0
<b>Special Groupings of Intermediate Demand by Production Flow</b>									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	46.013	0.0	0.5	-0.4	0.3	-0.3	-0.2
Total services inputs to stage 4 intermediate demand.....	ID5	9412	53.934	4.3	-0.2	0.4	0.3	0.1	0.3
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.053	2.0	0.1	0.6	0.2	0.2	0.4
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.229	-2.8	-0.8	0.5	-0.1	0.9	-0.8

See footnotes at end of table.

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

Grouping	Commodity code		Relative Importance Dec. 2023 <sup>1</sup>	Unadjusted 12-month percent change <sup>2</sup> June 2023 to June 2024 <sup>p</sup>	Seasonally adjusted 1-month percent change <sup>2</sup>				
	Group code	Item code			Jan. to Feb.	Feb. to Mar. <sup>p</sup>	Mar. to Apr. <sup>p</sup>	Apr. to May <sup>p</sup>	May to June <sup>p</sup>
Total energy goods inputs to stage 4 intermediate demand.....	ID5	9415	4.941	-1.1	3.8	-1.5	1.7	-4.5	-0.5
Total goods less foods and energy inputs to stage 4 intermediate demand. ....	ID5	9416	35.843	0.6	0.3	-0.4	0.2	0.1	0.0
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	44.230	-1.1	2.5	-0.3	0.2	-1.3	-0.1
Total services inputs to stage 3 intermediate demand.....	ID5	9312	55.164	3.0	-0.2	0.0	0.2	0.5	0.0
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.605	2.0	0.1	0.6	0.2	0.2	0.4
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	10.128	0.9	3.6	1.4	-1.1	2.1	2.1
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	7.005	-3.6	7.3	-1.5	1.8	-11.0	-2.4
Total goods less foods and energy inputs to stage 3 intermediate demand. ....	ID5	9316	27.097	-1.2	0.8	-0.7	0.2	0.1	-0.4
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	41.192	3.5	-0.7	-2.5	2.8	-1.2	1.6
Total services inputs to stage 2 intermediate demand.....	ID5	9212	57.557	3.8	0.7	0.1	0.3	0.5	0.3
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	1.251	2.0	0.1	0.6	0.2	0.2	0.4
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	4.103	-11.2	-5.7	-1.3	-0.6	1.6	-0.6
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	16.557	13.7	-0.9	-5.0	5.9	-3.6	4.0
Total goods less foods and energy inputs to stage 2 intermediate demand. ....	ID5	9216	20.532	-0.9	0.4	-0.5	0.9	0.3	0.1
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	48.510	-1.7	1.3	-0.9	0.4	-1.6	-0.3
Total services inputs to stage 1 intermediate demand.....	ID5	9112	51.488	3.7	-0.5	0.3	0.1	0.2	0.5
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.004	2.0	0.1	0.6	0.2	0.2	0.4
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	2.832	-13.7	-3.4	0.8	-1.1	2.4	-0.4
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	9.179	-3.1	6.1	-1.6	1.8	-8.8	-0.8
Total goods less foods and energy inputs to stage 1 intermediate demand. ....	ID5	9116	36.499	-0.3	0.5	-0.9	0.2	0.1	-0.2

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

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

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

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

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

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

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

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

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

<sup>p</sup> Preliminary

"-" Data not available.

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

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2023 to June 2024 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
<b>Final Demand</b>								
Final demand.....	FD	4	2.6	0.6	-0.1	0.5	0.0	0.2
Final demand goods.....	FD	41	1.0	1.1	-0.2	0.3	-0.8	-0.5
Final demand foods.....	FD	411	1.1	1.0	0.3	-0.8	0.0	-0.3
Fresh fruits and melons <sup>2</sup> .....	01	11	-15.0	-12.7	-7.9	7.0	-2.1	-6.3
Fresh and dry vegetables <sup>2</sup> .....	01	13	-10.2	8.9	15.3	-18.7	3.1	-4.4
Grains.....	01	2	-29.0	-8.3	2.6	-4.1	7.9	-1.7
Eggs for fresh use <sup>2</sup> .....	01	7107	98.6	55.0	-29.8	11.2	-34.8	55.9
Oilseeds.....	01	8301	-13.7	-8.9	0.4	-1.0	4.7	-3.1
Bakery products <sup>2</sup> .....	02	11	2.1	0.7	0.2	-0.4	0.0	0.0
Milled rice <sup>2</sup> .....	02	13	-6.4	0.1	0.4	0.2	0.2	0.6
Pasta products <sup>2</sup> .....	02	1402	-3.2	-0.6	0.0	0.0	0.0	0.0
Beef and veal.....	02	2101	1.4	4.9	1.2	-5.9	-1.6	2.0
Pork.....	02	2104	19.5	-0.2	-0.9	-0.5	2.0	-3.2
Processed young chickens.....	02	2203	6.1	-1.1	3.2	2.0	0.6	-5.9
Processed turkeys <sup>2</sup> .....	02	2206	-13.9	-2.9	0.4	-0.8	1.2	-2.2
Finfish and shellfish.....	02	23	-5.2	-3.9	2.0	1.9	-0.7	-5.2
Dairy products <sup>2</sup> .....	02	3	6.2	1.2	1.0	-0.1	2.0	1.3
Processed fruits and vegetables <sup>2</sup> .....	02	4	2.7	-0.4	-0.9	0.2	0.5	-1.0
Confectionery end products <sup>2</sup> .....	02	55	1.8	0.8	0.3	0.5	0.0	-0.3
Soft drinks <sup>2</sup> .....	02	62	1.8	2.0	0.2	-0.2	0.3	-0.4
Roasted coffee <sup>2</sup> .....	02	6301	6.0	-0.2	-0.1	-0.7	0.6	0.1
Shortening and cooking oils <sup>2</sup> .....	02	78	-1.4	0.3	1.5	0.1	-1.6	-0.4
Frozen specialty food <sup>2</sup> .....	02	85	0.9	0.2	-0.1	-0.1	-0.1	0.3
Final demand energy.....	FD	412	-1.4	3.9	-1.3	1.8	-4.6	-2.6
Liquefied petroleum gas <sup>2</sup> .....	05	32	27.1	-0.3	0.1	6.3	-2.6	-5.1
Residential electric power.....	05	41	2.6	0.4	0.7	0.4	0.0	-1.1
Residential natural gas.....	05	51	0.9	0.8	-1.4	-3.1	0.4	1.7
Gasoline.....	05	71	-7.8	6.3	-3.0	4.5	-7.3	-5.8
Home heating oil and distillates.....	05	7302	5.8	-1.7	-2.7	1.2	-6.1	-3.5
No. 2 diesel fuel.....	05	7303	-10.6	14.9	1.8	2.8	-23.7	-3.3
Final demand goods less foods and energy.....	FD	413	1.8	0.3	0.0	0.2	0.2	0.0
Alcoholic beverages.....	02	61	1.0	-0.2	-0.3	0.1	-0.2	0.4
Pet food <sup>2</sup> .....	02	9402	0.2	0.5	0.0	0.0	0.0	0.0
Women's, girls', and infants' apparel <sup>2</sup> .....	03	8106	1.9	0.0	0.0	0.0	0.0	0.4
Men's and boys' apparel <sup>2</sup> .....	03	8107	-0.2	0.2	0.0	-0.3	-0.1	0.0
Textile housefurnishings <sup>2</sup> .....	03	82	1.3	1.0	-0.2	0.2	0.6	0.0
Footwear <sup>2</sup> .....	04	3	1.9	0.6	0.0	0.8	0.0	0.0
Industrial chemicals.....	06	1	-6.1	2.2	0.2	1.0	-1.6	-0.7
Pharmaceutical preparations.....	06	38	1.4	0.2	0.1	0.2	0.2	0.0
Soaps and detergents <sup>2</sup> .....	06	71	1.9	0.4	0.1	0.2	0.1	0.0
Cleaning and polishing products <sup>2</sup> .....	06	72	0.5	0.4	0.1	0.1	0.0	0.0
Cosmetics and other toiletries <sup>2</sup> .....	06	75	0.9	0.6	0.1	0.0	0.1	0.0
Tires <sup>2</sup> .....	07	1201	-1.3	0.0	-0.1	0.0	-0.5	-0.3
Consumer, institutional, and commercial products, n.e.c. <sup>2</sup> .....	07	2B	0.7	0.1	0.3	0.2	-0.1	0.4
Sanitary paper products <sup>2</sup> .....	09	1501	-3.5	0.2	-0.8	0.2	0.2	-0.1
Iron and steel scrap.....	10	12	-7.2	-3.7	-14.1	1.8	1.9	0.0
Agricultural machinery and equipment <sup>2</sup> .....	11	1	1.6	0.1	0.5	0.2	0.0	0.0
Construction machinery and equipment <sup>2</sup> .....	11	2	3.9	0.2	0.0	0.2	0.0	0.1
Metal cutting machine tools <sup>2</sup> .....	11	37	1.0	0.1	0.0	0.0	0.3	0.0
Metal forming machine tools.....	11	38	8.5	0.9	0.6	0.6	-1.5	0.5
Tools, dies, jigs, fixtures, and industrial molds <sup>2</sup> .....	11	39	4.9	0.0	0.0	0.2	0.2	0.0
Pumps, compressors, and equipment <sup>2</sup> .....	11	41	5.1	0.4	0.7	0.2	0.4	-0.1
Industrial material handling equipment <sup>2</sup> .....	11	44	4.2	0.1	0.1	1.7	0.1	0.1
Electronic computers and computer equipment <sup>2</sup> .....	11	5	1.5	-0.1	-0.1	0.4	-0.7	0.1
Textile machinery and equipment <sup>2</sup> .....	11	62	0.0	0.0	0.0	0.0	0.0	0.0
Paper industries machinery <sup>2</sup> .....	11	64	1.7	0.3	0.6	0.1	0.0	0.0
Printing trades machinery and equipment <sup>2</sup> .....	11	65	1.7	-0.6	-0.1	-0.1	0.3	-0.1
Transformers and power regulators <sup>2</sup> .....	11	74	3.5	0.0	0.4	-1.0	0.0	0.7
Communication and related equipment.....	11	76	4.1	0.5	0.5	-0.2	0.2	0.2
Electronic components and accessories.....	11	78	0.8	0.0	0.0	0.3	-0.2	-0.9
X-ray and electromedical equipment <sup>2</sup> .....	11	7905	1.7	0.5	0.0	0.0	0.0	0.0
Oil field and gas field machinery <sup>2</sup> .....	11	91	3.9	0.0	0.0	0.0	0.0	0.0
Mining machinery and equipment <sup>2</sup> .....	11	92	7.1	1.4	0.0	0.6	0.0	0.0
Internal combustion engines <sup>2</sup> .....	11	94	4.5	0.0	0.0	0.4	0.1	0.0

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2023 to June 2024 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Household furniture <sup>2</sup> .....	12	1	-0.3	-0.1	0.3	0.2	0.6	0.3
Commercial furniture <sup>2</sup> .....	12	2	2.7	1.4	0.2	-0.2	0.2	0.1
Floor coverings <sup>2</sup> .....	12	3	0.6	-1.4	1.4	-0.6	-0.4	0.0
Household appliances <sup>2</sup> .....	12	4	-1.2	-0.3	0.2	-0.1	-0.5	-1.1
Home electronic equipment <sup>2</sup> .....	12	5	1.6	0.0	1.9	0.0	-0.4	0.0
Lawn and garden equipment excl. garden tractors <sup>2</sup> .....	12	66	2.2	-0.1	0.2	0.0	0.3	0.0
Passenger cars.....	14	1101	-0.9	0.2	0.3	0.2	-0.3	0.6
Light motor trucks.....	14	1105	1.2	0.3	0.4	-0.1	-0.2	0.0
Heavy motor trucks <sup>2</sup> .....	14	1106	1.4	0.0	0.0	0.0	0.1	0.0
Motor vehicles parts <sup>2</sup> .....	14	12	0.9	0.1	0.1	0.1	0.0	0.1
Truck trailers <sup>2</sup> .....	14	14	-1.6	0.6	-0.1	-0.4	0.0	-0.1
Travel trailers and campers <sup>2</sup> .....	14	16	0.6	0.0	0.0	0.0	0.0	0.0
Aircraft.....	14	21	3.8	0.2	0.1	0.1	0.1	0.2
Ships <sup>2</sup> .....	14	31	2.1	0.3	0.0	0.0	0.2	0.3
Railroad equipment <sup>2</sup> .....	14	4	1.1	0.1	0.1	0.0	0.2	0.0
Toys, games, and children's vehicles <sup>2</sup> .....	15	11	0.2	0.0	0.0	0.0	0.0	0.0
Sporting and athletic goods <sup>2</sup> .....	15	12	9.3	0.3	0.0	0.0	0.0	0.0
Cigarettes <sup>2</sup> .....	15	21	12.7	2.4	0.0	0.0	3.3	0.0
Mobile homes.....	15	5	-0.2	0.0	-0.5	-0.1	-0.1	-0.4
Medical, surgical & personal aid devices.....	15	6	2.6	0.5	0.2	0.4	0.2	0.1
Jewelry, platinum and karat gold <sup>2</sup> .....	15	9402	6.2	-0.2	1.9	2.3	1.1	-1.4
Costume jewelry and novelties <sup>2</sup> .....	15	9404	1.8	0.0	0.0	0.0	-1.1	2.2
Final demand services.....	FD	42	3.5	0.3	0.0	0.6	0.3	0.6
Final demand trade services <sup>3</sup> .....	FD	423	2.7	0.3	-0.8	0.6	0.7	1.9
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	5.7	0.2	-1.0	1.1	0.3	-1.1
Machinery and vehicle wholesaling <sup>2</sup> .....	57	1103	7.5	1.4	-2.6	6.8	-3.9	3.7
Professional and commercial equipment wholesaling <sup>2</sup> .....	57	1104	-0.4	2.1	-2.8	0.8	-4.3	3.4
Furnishings wholesaling <sup>2</sup> .....	57	2	1.2	0.2	2.5	0.1	-0.8	0.3
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	8.9	-4.1	-1.5	-0.2	2.0	0.3
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-4.3	-2.4	-0.5	-0.8	-0.8	-0.8
Apparel wholesaling <sup>2</sup> .....	57	7	-0.3	-3.3	7.2	-5.8	0.6	1.6
Food and alcohol wholesaling <sup>2</sup> .....	57	8	7.7	1.2	3.0	1.6	-0.2	-0.2
Food and alcohol retailing.....	58	1	1.9	0.9	-0.1	0.9	1.7	0.7
Health, beauty, and optical goods retailing <sup>2</sup> .....	58	2	5.7	1.2	-3.6	0.2	1.5	1.1
Apparel, jewelry, footwear, and accessories retailing.....	58	3	3.7	1.0	1.0	-1.5	-0.1	0.9
Computer hardware, software, and supplies retailing <sup>2</sup> .....	58	4	3.0	-8.5	12.5	12.4	3.1	16.8
TV, video, and photographic equipment and supplies retailing.....	58	5	-9.4	-3.4	-6.3	-2.2	6.1	-9.6
Automobiles retailing (partial).....	58	6101	-24.7	-1.8	-4.4	-2.3	5.8	7.0
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	-2.2	-2.0	-3.1	-2.4	0.6	0.6
RVs, trailers, and campers retailing <sup>2</sup> .....	58	8	8.9	14.4	3.8	4.3	9.3	0.5
Sporting goods, including boats, retailing.....	58	9	3.7	-2.4	-0.7	4.1	-1.4	0.7
Lawn, garden, and farm equipment and supplies retailing <sup>2</sup> .....	58	A	3.9	-1.6	1.0	0.2	0.8	0.7
Furniture retailing <sup>2</sup> .....	58	B	-9.7	2.0	-1.9	-2.9	-0.6	4.2
Flooring and floor coverings retailing <sup>2</sup> .....	58	C	2.2	2.0	-1.0	-0.1	2.0	0.0
Hardware, building materials, and supplies retailing.....	58	D	11.0	-0.2	-2.2	1.2	-0.2	1.0
Major household appliances retailing.....	58	E	1.5	6.6	-6.4	-1.7	3.5	2.1
Fuels and lubricants retailing.....	58	F	9.2	-0.5	2.5	-10.3	13.0	6.7
Cleaning supplies and paper products retailing <sup>2</sup> .....	58	G	0.6	-0.8	-0.5	-0.5	1.1	-0.3
Book retailing <sup>2</sup> .....	58	H	1.9	-3.4	2.8	-1.4	-0.3	2.4
Final demand transportation and warehousing services.....	FD	422	0.2	1.2	0.2	-0.5	-0.8	-0.4
Rail transportation of freight and mail <sup>2</sup> .....	30	11	3.3	-1.4	-0.1	0.9	0.2	0.0
Truck transportation of freight <sup>2</sup> .....	30	12	-0.6	0.7	-0.5	0.6	0.3	-1.2
Air transportation of freight <sup>2</sup> .....	30	14	3.3	0.0	0.8	1.6	-0.4	0.1
Courier, messenger, and U.S. postal services.....	30	16	6.0	1.3	0.0	0.3	0.4	0.1
Rail transportation of passengers.....	30	21	0.0	0.0	0.0	0.0	0.0	-0.1
Airline passenger services.....	30	22	-1.5	3.1	1.8	-3.6	-3.9	1.1
Final demand services less trade, transportation, and warehousing.....	FD	421	4.2	0.3	0.3	0.7	0.2	0.1
Sales of books.....	33	11	7.3	1.9	-0.3	0.2	0.6	0.0
Sales and subscriptions of periodicals and newspapers.....	33	12	4.2	0.8	-0.4	0.1	0.2	1.8
Application software publishing <sup>2</sup> .....	34	2	2.3	-0.7	-0.3	0.5	-0.3	-1.1
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-0.3	0.2	0.0	0.4	0.1	0.0
Residential wired telecommunication services <sup>2</sup> .....	37	11	4.9	-0.1	1.4	1.9	0.6	-0.2
Wireless telecommunication services.....	37	2	0.2	0.0	0.1	0.1	-0.4	0.1
Cable and satellite subscriber services.....	37	3	4.7	0.8	-1.1	1.4	0.7	0.6
Internet access services <sup>2</sup> .....	37	4	-0.1	0.5	0.2	0.1	0.1	-0.2

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2023 to June 2024 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	3.5	0.4	-0.2	3.0	-0.5	-0.3
Consumer loans (partial).....	39	12	5.0	3.0	1.7	2.7	-0.7	-9.3
Deposit services (partial) <sup>2</sup> .....	39	2	18.5	1.1	2.7	-0.2	0.4	4.8
Other credit intermediation, incl. trust services (partial) <sup>2</sup> .....	39	3	-2.7	1.3	0.0	-3.4	0.8	0.0
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> ...	40	1	8.1	0.7	2.5	-0.1	-0.3	0.9
Portfolio management <sup>2</sup> .....	40	2	12.8	0.1	0.7	4.2	-0.8	1.0
Life insurance <sup>2</sup> .....	41	1101	-2.1	-0.3	0.0	-0.7	0.0	0.0
Disability insurance, including accidental death <sup>2</sup> .....	41	1102	-0.5	0.0	0.0	0.0	0.0	0.0
Health and medical insurance.....	41	1103	4.4	0.3	0.2	0.1	0.2	0.2
Property and casualty insurance <sup>2</sup> .....	41	1104	5.4	0.6	0.4	0.2	0.8	0.1
Annuities <sup>2</sup> .....	41	2	0.8	0.0	0.0	0.4	0.0	0.0
Residential property sales and leases, brokerage fees and commissions..	43	21	4.7	-0.1	0.0	1.0	0.5	0.5
Passenger car rental.....	44	1	2.3	-2.0	4.7	-0.6	-0.9	4.2
Legal services.....	45	1	8.0	0.6	0.1	1.6	0.3	0.1
Tax preparation and planning.....	45	2102	7.0	3.6	1.0	0.5	3.0	-0.6
Architectural and engineering services.....	45	3	2.8	0.0	0.0	0.7	0.2	0.3
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	2.0	-0.4	0.3	0.9	0.7	0.0
Arrangement of flights (partial).....	47	1	-0.8	0.0	-0.3	0.6	0.0	-1.4
Arrangement of vehicle rentals and lodging <sup>2</sup> .....	47	2	6.8	0.1	-0.1	1.1	0.0	-0.1
Arrangement of cruises and tours <sup>2</sup> .....	47	3	-0.1	1.6	-1.3	0.3	0.9	-0.9
Physician care.....	51	1101	1.8	0.0	0.2	0.1	0.3	0.2
Medical laboratory and diagnostic imaging care <sup>2</sup> .....	51	1102	0.5	0.0	0.3	0.1	0.0	0.0
Home health and hospice care.....	51	1103	2.5	0.1	0.0	0.1	0.1	0.3
Hospital outpatient care <sup>2</sup> .....	51	1104	4.6	0.5	0.1	-0.2	0.5	0.1
Dental care.....	51	1105	4.8	1.4	-0.1	1.9	0.5	0.1
Hospital inpatient care.....	51	2101	5.0	0.3	0.0	0.1	0.6	0.5
Nursing home care.....	51	2102	3.5	0.0	0.2	0.3	0.3	-0.1
Traveler accommodation services.....	53	11	0.8	-1.3	-2.3	3.1	2.7	-0.2
Food and beverages for immediate consumption services (partial) <sup>2</sup> .....	54	1	4.6	0.5	1.3	0.3	-0.6	0.7
Motor vehicle repair and maintenance (partial) <sup>2</sup> .....	55	2	4.9	0.5	0.4	0.9	0.4	0.0
Membership dues and admissions and recreation facility use fees (partial) <sup>2</sup> .....	56	1	0.9	0.0	1.7	-0.4	-2.5	-2.9
Recreational activity instruction fees (partial) <sup>2</sup> .....	56	2	7.4	0.0	0.0	0.0	0.0	6.6
Gaming receipts (partial) <sup>2</sup> .....	56	3	-0.1	0.2	2.1	-3.0	1.7	-1.5
Mining services <sup>2</sup> .....	60	1	2.8	0.4	-0.9	1.3	0.0	0.1
Final demand construction.....	FD	43	-0.6	0.0	0.1	0.1	0.0	0.4
New warehouse building construction <sup>2</sup> .....	80	1101	-0.4	0.2	0.0	0.4	0.0	0.0
New school building construction <sup>2</sup> .....	80	1102	-0.7	0.0	-0.1	0.3	-0.2	0.1
New office building construction <sup>2</sup> .....	80	1103	-0.6	0.1	0.3	-0.2	0.0	1.1
New industrial building construction <sup>2</sup> .....	80	1104	-1.1	-0.7	0.1	-0.2	0.0	0.1
New health care building construction <sup>2</sup> .....	80	1105	-0.9	0.0	-0.1	0.1	0.0	0.1
<b>Intermediate Demand by Commodity Type</b>								
Processed goods for intermediate demand.....	ID6	1	-0.5	1.4	-0.7	0.5	-1.4	-0.2
Processed foods and feeds.....	ID6	9112	0.6	0.3	0.1	-0.3	0.4	0.2
Meats.....	02	21	5.5	2.2	0.5	-2.1	-0.6	0.0
Processed poultry.....	02	22	-1.4	-0.2	3.1	1.1	2.8	-6.8
Dairy products <sup>2</sup> .....	02	3	6.2	1.2	1.0	-0.1	2.0	1.3
Processed fruits and vegetables <sup>2</sup> .....	02	4	2.7	-0.4	-0.9	0.2	0.5	-1.0
Refined sugar and byproducts <sup>2</sup> .....	02	53	16.9	8.7	1.7	-0.1	0.2	0.0
Fats and oils <sup>2</sup> .....	02	7	-2.9	-2.1	-0.1	-0.6	-0.1	-1.8
Prepared animal feeds.....	02	9	-7.3	-2.4	-2.0	-0.4	0.1	0.5
Processed materials less foods and feeds.....	ID6	9111	-0.6	1.5	-0.7	0.6	-1.6	-0.3
Synthetic fibers <sup>2</sup> .....	03	1	3.6	0.4	3.8	-1.8	3.8	-2.5
Processed yarns and threads <sup>2</sup> .....	03	2	-0.6	-0.3	0.3	0.3	-0.1	-0.1
Finished fabrics <sup>2</sup> .....	03	4	0.1	-0.6	0.4	0.3	-0.1	0.3
Liquefied petroleum gas <sup>2</sup> .....	05	32	27.1	-0.3	0.1	6.3	-2.6	-5.1
Commercial electric power.....	05	42	0.9	2.7	-1.0	1.2	-0.9	-0.9
Industrial electric power.....	05	43	4.0	2.0	-0.3	1.2	-2.5	3.6
Commercial natural gas.....	05	52	2.5	2.1	0.4	-3.1	-4.0	2.2
Industrial natural gas.....	05	53	0.9	-0.5	-0.4	-3.5	-3.7	2.8
Natural gas to electric utilities.....	05	54	3.2	7.3	-6.7	-2.0	-3.4	3.5
Gasoline.....	05	71	-7.8	6.3	-3.0	4.5	-7.3	-5.8
Jet fuel <sup>2</sup> .....	05	7203	3.2	9.8	-5.4	0.3	-6.2	-4.6
No. 2 diesel fuel.....	05	7303	-10.6	14.9	1.8	2.8	-23.7	-3.3
Residual fuels <sup>2</sup> .....	05	74	22.0	1.8	0.5	1.1	9.0	-1.7

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2023 to June 2024 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Finished lubricants <sup>2</sup> .....	05	76	-1.5	-0.2	-0.9	0.0	0.0	-0.1
Lubricating oil base stocks <sup>2</sup> .....	05	78	9.9	-0.4	-4.7	3.2	4.4	5.4
Asphalt.....	05	8102	2.7	-13.7	8.8	-4.6	3.9	-3.6
Basic inorganic chemicals <sup>2</sup> .....	06	13	-7.7	-1.0	0.2	-0.1	1.2	0.0
Basic organic chemicals.....	06	14	-5.7	3.0	0.2	1.3	-2.2	-0.9
Prepared paint <sup>2</sup> .....	06	21	-1.1	-0.2	-0.1	-0.2	0.1	-0.1
Paint materials <sup>2</sup> .....	06	22	-7.1	0.3	0.2	0.1	-3.4	0.0
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	4.8	3.9	0.1	0.2	0.0	-0.3
Biological products, including diagnostics.....	06	37	1.7	-0.3	0.5	0.2	-0.1	0.6
Fats and oils, inedible <sup>2</sup> .....	06	4	4.1	-5.0	-0.7	-0.4	-1.5	0.6
Nitrogenates.....	06	5201	5.2	-6.1	4.2	-1.2	-1.6	1.4
Phosphates.....	06	5202	-4.4	0.8	-1.6	-1.8	-6.4	4.7
Other agricultural chemicals <sup>2</sup> .....	06	53	-6.6	0.0	0.1	0.1	0.2	0.0
Plastic resins and materials.....	06	6	-4.7	0.6	-1.5	1.1	-0.2	-1.3
Industrial gases <sup>2</sup> .....	06	7903	2.0	-4.7	3.1	1.2	-1.0	0.5
Adhesives and sealants <sup>2</sup> .....	06	7904	-0.1	-0.5	0.6	0.0	0.0	0.0
Synthetic rubber <sup>2</sup> .....	07	1102	7.6	1.2	3.3	4.6	2.0	1.6
Tires <sup>2</sup> .....	07	1201	-1.3	0.0	-0.1	0.0	-0.5	-0.3
Plastic construction products <sup>2</sup> .....	07	21	0.1	-0.3	0.0	0.6	-0.3	0.1
Unsupported plastic film, sheet, other shapes <sup>2</sup> .....	07	22	-1.7	0.7	0.1	0.5	0.8	-0.2
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	-0.1	0.0	0.6	0.0	0.0	0.0
Plastic packaging products <sup>2</sup> .....	07	2A	-0.9	-0.5	0.3	0.6	-0.4	0.1
Softwood lumber.....	08	11	-7.4	-3.2	1.9	5.7	-5.0	3.4
Hardwood lumber <sup>2</sup> .....	08	12	3.8	-0.1	-1.3	1.7	0.8	0.3
Millwork.....	08	2	0.2	1.2	-0.6	0.3	-0.6	0.3
Plywood <sup>2</sup> .....	08	3	0.8	-1.1	-0.2	1.3	-2.1	-0.3
Paper <sup>2</sup> .....	09	13	0.0	0.3	-0.2	0.5	0.6	-0.2
Paperboard <sup>2</sup> .....	09	14	-2.2	-0.2	0.2	0.5	0.3	0.3
Paper boxes and containers <sup>2</sup> .....	09	1503	-0.8	0.1	-0.4	0.6	0.8	0.2
Building paper and board <sup>2</sup> .....	09	2	10.5	-0.5	7.0	17.6	-12.8	2.0
Commercial printing <sup>2</sup> .....	09	47	1.7	0.2	0.2	-0.2	0.2	0.0
Foundry and forge shop products <sup>2</sup> .....	10	15	1.1	0.6	0.4	-0.3	-1.2	1.2
Steel mill products <sup>2</sup> .....	10	17	-15.0	3.5	-8.1	-2.6	0.5	-1.8
Primary nonferrous metals <sup>2</sup> .....	10	22	12.0	2.4	1.1	3.2	6.3	1.2
Secondary nonferrous metals <sup>2</sup> .....	10	24	4.9	-0.9	2.7	2.6	4.7	-0.1
Aluminum mill shapes <sup>2</sup> .....	10	2501	2.8	0.2	-0.5	0.6	4.4	2.4
Copper and brass mill shapes <sup>2</sup> .....	10	2502	14.0	-0.2	1.8	4.4	4.5	2.1
Nonferrous wire and cable <sup>2</sup> .....	10	26	11.2	1.4	0.5	2.9	5.3	0.4
Nonferrous foundry shop products.....	10	28	4.7	1.0	0.7	-0.2	1.0	0.8
Metal containers <sup>2</sup> .....	10	3	-2.6	0.2	-0.4	-0.1	0.2	0.2
Hardware <sup>2</sup> .....	10	4	-0.7	0.5	-0.5	-0.1	0.1	0.0
Plumbing fixtures and brass fittings.....	10	5	1.6	-0.3	0.2	0.1	0.1	0.3
Heating equipment <sup>2</sup> .....	10	6	2.9	0.2	0.9	0.5	0.3	0.1
Fabricated structural metal products.....	10	7	-1.4	-0.4	-3.8	-0.3	0.0	-0.8
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	8.2	1.7	0.5	1.0	0.0	0.0
Lighting fixtures <sup>2</sup> .....	10	83	2.1	0.1	0.7	-0.1	0.6	0.2
Fabricated ferrous wire products.....	10	88	1.0	2.2	-0.2	-0.4	-0.4	3.4
Other miscellaneous metal products <sup>2</sup> .....	10	89	1.4	0.2	0.1	0.3	0.0	0.2
Fluid power equipment <sup>2</sup> .....	11	43	4.2	0.3	-0.1	1.5	0.5	0.0
Mechanical power transmission equipment <sup>2</sup> .....	11	45	3.7	0.4	0.6	0.0	0.1	0.4
Air conditioning and refrigeration equipment.....	11	48	2.6	1.1	-0.8	0.9	0.7	-0.7
Metal valves, except fluid power.....	11	4902	2.1	0.4	0.5	0.2	-0.3	0.1
Ball and roller bearings <sup>2</sup> .....	11	4905	3.1	2.5	0.5	0.0	-0.2	0.0
Wiring devices <sup>2</sup> .....	11	71	-0.4	0.6	-0.1	-0.2	0.3	0.1
Motors, generators, motor generator sets <sup>2</sup> .....	11	73	4.0	0.0	1.2	0.0	0.0	0.0
Switchgear, switchboard, and industrial controls equip. <sup>2</sup> .....	11	75	7.8	0.5	0.7	0.2	0.6	1.7
Electronic components and accessories.....	11	78	0.8	0.0	0.0	0.3	-0.2	-0.9
Internal combustion engines <sup>2</sup> .....	11	94	4.5	0.0	0.0	0.4	0.1	0.0
Machine shop products <sup>2</sup> .....	11	95	1.1	0.9	0.1	-0.1	0.1	0.0
Flat glass <sup>2</sup> .....	13	11	0.0	0.1	0.1	-0.1	0.3	-0.6
Cement.....	13	22	6.9	0.3	1.4	-0.3	0.7	0.4
Concrete products.....	13	3	5.5	0.8	0.9	-0.7	0.1	0.4
Asphalt felts and coatings <sup>2</sup> .....	13	6	1.3	0.3	0.1	-1.7	2.3	-0.4
Paving mixtures and blocks.....	13	94	3.3	-0.4	1.0	0.0	-1.2	-0.1
Motor vehicle parts <sup>2</sup> .....	14	12	0.9	0.1	0.1	0.1	0.0	0.1
Aircraft engines and engine parts.....	14	23	3.8	0.7	0.1	0.1	0.3	0.2

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2023 to June 2024 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	3.0	0.3	0.1	1.2	0.1	0.4
Medical, surgical, and personal aid devices.....	15	6	2.6	0.5	0.2	0.4	0.2	0.1
Unprocessed goods for intermediate demand.....	ID6	2	2.7	-0.3	-1.4	2.1	0.2	1.4
Unprocessed foodstuffs and feedstuffs.....	ID6	21	-2.5	1.6	1.6	-0.6	2.8	-0.3
Wheat <sup>2</sup> .....	01	21	-19.3	-5.2	-0.8	-2.1	18.3	-9.8
Corn.....	01	2202	-31.1	-9.2	4.1	-4.9	6.7	0.0
Slaughter cattle.....	01	31	9.8	1.6	7.7	-2.5	5.6	-1.3
Slaughter hogs.....	01	32	-5.9	35.6	4.6	22.4	-10.8	-14.9
Slaughter chickens.....	01	4102	-4.7	2.0	-4.1	-5.3	-2.6	2.7
Slaughter turkeys.....	01	42	-34.2	-7.5	0.3	-12.9	8.1	-9.1
Raw milk.....	01	6	33.7	5.1	0.1	-2.3	9.9	10.2
Hay and hayseeds <sup>2</sup> .....	01	81	-21.5	-3.4	2.2	5.2	28.1	-17.3
Oilseeds.....	01	8301	-13.7	-8.9	0.4	-1.0	4.7	-3.1
Raw cane sugar and byproducts <sup>2</sup> .....	02	5201	0.8	0.7	1.3	0.0	0.1	-0.9
Unprocessed nonfood materials.....	ID6	22	6.2	-1.4	-3.3	3.8	-1.4	2.5
Raw cotton <sup>2</sup> .....	01	51	-15.6	12.7	1.3	-11.5	-15.6	-1.3
Hides and skins.....	04	1	-13.6	-7.1	1.1	1.9	1.5	1.6
Coal <sup>2</sup> .....	05	1	8.1	6.2	-3.7	-0.7	2.1	0.7
Natural gas <sup>2</sup> .....	05	31	19.4	-24.1	-36.5	-4.9	21.8	36.3
Crude petroleum <sup>2</sup> .....	05	61	13.3	5.4	1.7	8.5	-7.4	-0.2
Logs, bolts, timber, pulpwood, and woodchips <sup>2</sup> .....	08	5	-4.2	-0.5	-0.2	-1.7	-0.2	0.1
Recyclable paper <sup>2</sup> .....	09	12	83.8	12.8	11.4	-0.6	1.2	1.8
Iron ores <sup>2</sup> .....	10	11	-1.7	0.7	-1.3	-0.4	0.0	0.0
Iron and steel scrap.....	10	12	-7.2	-3.7	-14.1	1.8	1.9	0.0
Nonferrous metal ores <sup>2</sup> .....	10	21	1.4	-1.0	3.4	2.9	2.4	-3.0
Copper base scrap <sup>2</sup> .....	10	2301	12.3	1.6	4.1	6.1	8.2	-5.3
Aluminum base scrap.....	10	2302	32.2	2.1	-1.3	2.0	17.5	8.1
Construction sand, gravel, and crushed stone.....	13	21	6.6	-0.1	0.3	0.6	-0.1	0.2
Services for intermediate demand.....	ID6	3	3.8	0.0	0.2	0.3	0.3	0.2
Trade services for intermediate demand <sup>3</sup> .....	ID6	33	4.1	-1.7	0.1	-0.4	0.8	0.5
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	5.7	0.2	-1.0	1.1	0.3	-1.1
Building materials, paint, and hardware wholesaling.....	57	3	-0.9	-0.8	-1.7	0.3	-0.3	2.6
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-7.3	-14.7	2.7	-6.2	-2.0	0.4
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	8.9	-4.1	-1.5	-0.2	2.0	0.3
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-4.3	-2.4	-0.5	-0.8	-0.8	-0.8
Food wholesaling <sup>2</sup> .....	57	8101	8.0	1.3	2.8	1.9	-0.1	-0.2
Automotive parts, including tires, retailing <sup>2</sup> .....	58	6102	-2.2	-2.0	-3.1	-2.4	0.6	0.6
Hardware, building material, and supplies retailing.....	58	D	11.0	-0.2	-2.2	1.2	-0.2	1.0
Transportation and warehousing services for intermediate demand.....	ID6	32	3.8	1.0	0.0	0.5	0.6	-0.4
Rail transportation of freight and mail <sup>2</sup> .....	30	11	3.3	-1.4	-0.1	0.9	0.2	0.0
Truck transportation of freight <sup>2</sup> .....	30	12	-0.6	0.7	-0.5	0.6	0.3	-1.2
Water transportation of freight <sup>2</sup> .....	30	13	4.6	-0.4	-1.1	0.8	1.0	0.6
Air transportation of freight <sup>2</sup> .....	30	14	3.3	0.0	0.8	1.6	-0.4	0.1
U.S. Postal Service <sup>2</sup> .....	30	1601	7.1	3.2	0.0	0.0	0.0	0.0
Courier and messenger services, except air mail.....	30	1602	5.1	0.0	0.3	0.4	0.7	0.6
Air mail and package delivery services, excluding by USPS.....	30	1603	6.1	1.1	-0.5	0.5	0.6	-0.5
Pipeline transportation <sup>2</sup> .....	30	17	4.4	-0.7	0.0	1.5	0.1	0.0
Transportation of passengers (partial).....	30	2	-1.5	3.1	1.7	-3.6	-3.9	1.1
Services related to water transportation <sup>2</sup> .....	31	1	5.2	0.8	0.5	0.3	0.1	-0.1
Arrangement of freight and cargo <sup>2</sup> .....	31	31	15.7	3.6	-4.0	3.7	9.3	-0.9
Warehousing, storage, and related services <sup>2</sup> .....	32	1	3.1	2.1	1.0	1.5	-0.6	-2.9
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	3.7	0.3	0.3	0.4	0.1	0.3
Network compensation from broadcast TV, cable TV, radio <sup>2</sup> .....	35	-	0.3	0.0	0.0	0.0	0.0	0.0
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	-0.4	0.2	0.1	0.4	0.1	0.0
Advertising space sales in directories and mail lists <sup>2</sup> .....	36	12	0.1	0.0	0.0	0.0	0.0	0.0
Television advertising time sales.....	36	2	-5.9	4.7	-6.1	1.7	0.7	-1.8
Radio advertising time sales.....	36	3	-5.5	7.4	0.3	0.5	4.1	-2.7
Internet advertising sales <sup>2</sup> .....	36	6	7.6	0.0	0.0	7.4	0.0	0.0
Business wired telecommunication services <sup>2</sup> .....	37	12	6.1	1.1	1.0	1.5	1.1	0.0
Wireless telecommunication services.....	37	2	0.2	0.0	0.1	0.1	-0.4	0.1
Cable and satellite subscriber services.....	37	3	4.7	0.8	-1.1	1.4	0.7	0.6
Bundled wired telecommunication access services <sup>2</sup> .....	37	5	3.5	0.4	-0.2	3.0	-0.5	-0.3
Data processing and related services <sup>2</sup> .....	38	1	1.7	0.1	-0.3	0.4	0.4	-0.5
Business loans (partial).....	39	11	0.1	2.8	0.1	0.0	-0.6	0.3

See footnotes at end of table.



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

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2023 to June 2024 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Deposit services (partial) <sup>2</sup> .....	39	2	18.5	1.1	2.7	-0.2	0.4	4.8
Other credit intermediation, incl. trust services (partial) <sup>2</sup> .....	39	3	-2.7	1.3	0.0	-3.4	0.8	0.0
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	8.1	0.7	2.5	-0.1	-0.3	0.9
Portfolio management <sup>2</sup> .....	40	2	12.8	0.1	0.7	4.2	-0.8	1.0
Investment banking <sup>2</sup> .....	40	3	15.4	3.4	4.5	-0.4	1.6	1.4
Life insurance <sup>2</sup> .....	41	1101	-2.1	-0.3	0.0	-0.7	0.0	0.0
Health and medical insurance.....	41	1103	4.4	0.3	0.2	0.1	0.2	0.2
Property and casualty insurance <sup>2</sup> .....	41	1104	5.4	0.6	0.4	0.2	0.8	0.1
Annuities <sup>2</sup> .....	41	2	0.8	0.0	0.0	0.4	0.0	0.0
Commissions from sales of insurance <sup>2</sup> .....	42	1	1.4	0.3	0.0	0.0	0.0	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	2.6	-3.6	-0.2	0.3	-0.9	1.9
Nonresidential property sales and leases <sup>2</sup> .....	43	12	-4.3	0.0	0.0	0.3	-0.2	-0.4
Residential property management fees <sup>2</sup> .....	43	22	4.9	-0.1	0.0	0.4	0.0	0.8
Passenger car rental.....	44	1	2.3	-2.0	4.7	-0.6	-0.9	4.2
Truck, utility trailer, and RV rental and leasing <sup>2</sup> .....	44	2	0.3	-0.4	0.6	1.3	-0.1	0.6
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	-0.6	-0.9	1.0	-0.4	0.5	-0.4
Legal services.....	45	1	8.0	0.6	0.1	1.6	0.3	0.1
Accounting services (partial).....	45	2	5.9	1.4	-0.7	-0.9	0.9	-0.2
Architectural and engineering services.....	45	3	2.8	0.0	0.0	0.7	0.2	0.3
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	2.0	-0.4	0.3	0.9	0.7	0.0
Advertising and related services (partial) <sup>2</sup> .....	45	5	-0.1	0.3	0.0	0.0	0.3	-0.4
Permanent placement services <sup>2</sup> .....	46	1	2.5	-0.8	0.0	0.1	0.4	-0.1
Executive search services <sup>2</sup> .....	46	2	5.1	-0.1	-1.4	1.4	-2.4	1.5
Staffing services.....	46	3	-0.5	0.2	0.0	-0.3	0.0	-0.5
Security guard services <sup>2</sup> .....	48	1	9.8	0.6	-0.1	0.2	-0.1	0.5
Janitorial services <sup>2</sup> .....	49	1	0.1	0.0	0.0	-0.1	0.2	0.1
Waste collection.....	50	1	6.2	-1.5	1.3	1.0	2.5	0.4
Traveler accommodation services.....	53	11	0.8	-1.3	-2.3	3.1	2.7	-0.2
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.2	-0.3	-0.3	1.3	1.2	0.3
Aircraft repair and maintenance.....	55	4	10.2	1.7	0.7	0.8	0.9	0.2
Metal treatment services <sup>2</sup> .....	59	1	3.7	0.1	0.0	0.3	-0.3	0.1
Construction for intermediate demand.....	ID6	4	2.0	0.1	0.6	0.2	0.2	0.4
Maintenance and repair of non-residential buildings (partial) <sup>2</sup> .....	80	2	2.0	0.1	0.6	0.2	0.2	0.4
<b>Intermediate Demand by Production Flow</b>								
Stage 4 intermediate demand.....	ID5	4	2.3	0.1	0.0	0.3	-0.1	0.1
Stage 4 intermediate demand goods.....	ID5	9411	0.0	0.5	-0.4	0.3	-0.3	-0.2
Grains.....	01	2	-29.0	-8.3	2.6	-4.1	7.9	-1.7
Meats.....	02	21	5.5	2.2	0.5	-2.1	-0.6	0.0
Unprocessed and packaged fish.....	02	23	-5.2	-3.9	2.0	1.9	-0.7	-5.2
Dairy products <sup>2</sup> .....	02	3	6.2	1.2	1.0	-0.1	2.0	1.3
Commercial electric power.....	05	42	0.9	2.7	-1.0	1.2	-0.9	-0.9
Industrial electric power.....	05	43	4.0	2.0	-0.3	1.2	-2.5	3.6
Gasoline.....	05	71	-7.8	6.3	-3.0	4.5	-7.3	-5.8
No. 2 diesel fuel.....	05	7303	-10.6	14.9	1.8	2.8	-23.7	-3.3
Basic organic chemicals.....	06	14	-5.7	3.0	0.2	1.3	-2.2	-0.9
Prepared paint <sup>2</sup> .....	06	21	-1.1	-0.2	-0.1	-0.2	0.1	-0.1
Medicinal and botanical chemicals <sup>2</sup> .....	06	31	4.8	3.9	0.1	0.2	0.0	-0.3
Biological products, including diagnostics.....	06	37	1.7	-0.3	0.5	0.2	-0.1	0.6
Pharmaceutical preparations.....	06	38	1.4	0.2	0.1	0.2	0.2	0.0
Plastic construction products <sup>2</sup> .....	07	21	0.1	-0.3	0.0	0.6	-0.3	0.1
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	-1.7	0.7	0.1	0.5	0.8	-0.2
Parts for manufacturing from plastics <sup>2</sup> .....	07	26	-0.1	0.0	0.6	0.0	0.0	0.0
Plastic packaging products <sup>2</sup> .....	07	2A	-0.9	-0.5	0.3	0.6	-0.4	0.1
Lumber.....	08	1	-3.0	-1.9	0.5	4.0	-2.6	2.1
Millwork.....	08	2	0.2	1.2	-0.6	0.3	-0.6	0.3
Paper boxes and containers <sup>2</sup> .....	09	1503	-0.8	0.1	-0.4	0.6	0.8	0.2
Commercial printing <sup>2</sup> .....	09	47	1.7	0.2	0.2	-0.2	0.2	0.0
Steel mill products <sup>2</sup> .....	10	17	-15.0	3.5	-8.1	-2.6	0.5	-1.8
Nonferrous wire and cable <sup>2</sup> .....	10	26	11.2	1.4	0.5	2.9	5.3	0.4
Fabricated structural metal products.....	10	7	-1.4	-0.4	-3.8	-0.3	0.0	-0.8
Other miscellaneous metal products <sup>2</sup> .....	10	89	1.4	0.2	0.1	0.3	0.0	0.2
Air conditioning and refrigeration equipment.....	11	48	2.6	1.1	-0.8	0.9	0.7	-0.7
Wiring devices <sup>2</sup> .....	11	71	-0.4	0.6	-0.1	-0.2	0.3	0.1

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2023 to June 2024 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Electronic components and accessories.....	11	78	0.8	0.0	0.0	0.3	-0.2	-0.9
Miscellaneous electrical machinery and equipment <sup>2</sup> .....	11	79	1.2	0.4	0.0	0.0	0.0	0.1
Internal combustion engines <sup>2</sup> .....	11	94	4.5	0.0	0.0	0.4	0.1	0.0
Machine shop products <sup>2</sup> .....	11	95	1.1	0.9	0.1	-0.1	0.1	0.0
Concrete ingredients and related products.....	13	2	6.7	0.0	0.6	0.3	0.1	0.2
Concrete products.....	13	3	5.5	0.8	0.9	-0.7	0.1	0.4
Prepared asphalt, tar roofing and siding products <sup>2</sup> .....	13	61	2.0	1.1	0.1	-2.1	2.7	-0.7
Paving mixtures and blocks.....	13	94	3.3	-0.4	1.0	0.0	-1.2	-0.1
Motor vehicle parts <sup>2</sup> .....	14	12	0.9	0.1	0.1	0.1	0.0	0.1
Aircraft engines and engine parts.....	14	23	3.8	0.7	0.1	0.1	0.3	0.2
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	3.0	0.3	0.1	1.2	0.1	0.4
Medical, surgical and personal aid devices.....	15	6	2.6	0.5	0.2	0.4	0.2	0.1
Stage 4 intermediate demand services.....	ID5	9412	4.3	-0.2	0.4	0.3	0.1	0.3
Truck transportation of freight <sup>2</sup> .....	30	12	-0.6	0.7	-0.5	0.6	0.3	-1.2
Courier, messenger, and U.S. postal services.....	30	16	6.0	1.3	0.0	0.3	0.4	0.1
Airline passenger services.....	30	22	-1.5	3.1	1.8	-3.6	-3.9	1.1
Warehousing, storage, and related services <sup>2</sup> .....	32	1	3.1	2.1	1.0	1.5	-0.6	-2.9
Advertising space sales in periodicals and newspapers <sup>2</sup> .....	36	11	-0.4	0.2	0.1	0.4	0.1	0.0
Data processing and related services <sup>2</sup> .....	38	1	1.7	0.1	-0.3	0.4	0.4	-0.5
Business loans (partial).....	39	11	0.1	2.8	0.1	0.0	-0.6	0.3
Deposit services (partial) <sup>2</sup> .....	39	2	18.5	1.1	2.7	-0.2	0.4	4.8
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	8.1	0.7	2.5	-0.1	-0.3	0.9
Portfolio management <sup>2</sup> .....	40	2	12.8	0.1	0.7	4.2	-0.8	1.0
Investment banking <sup>2</sup> .....	40	3	15.4	3.4	4.5	-0.4	1.6	1.4
Insurance.....	41	11	3.4	0.4	0.3	0.0	0.4	0.0
Annuities <sup>2</sup> .....	41	2	0.8	0.0	0.0	0.4	0.0	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	2.6	-3.6	-0.2	0.3	-0.9	1.9
Nonresidential property sales and leases <sup>2</sup> .....	43	12	-4.3	0.0	0.0	0.3	-0.2	-0.4
Nonresidential property management fees <sup>2</sup> .....	43	13	6.4	4.1	-0.1	0.9	-0.2	0.5
Residential property management fees <sup>2</sup> .....	43	22	4.9	-0.1	0.0	0.4	0.0	0.8
Construction, mining, and forestry machinery and equipment rental and leasing <sup>2</sup> .....	44	3	-0.6	-0.9	1.0	-0.4	0.5	-0.4
Legal services.....	45	1	8.0	0.6	0.1	1.6	0.3	0.1
Advertising agency services <sup>2</sup> .....	45	51	-0.1	0.3	0.0	0.0	0.3	-0.4
Accounting services (partial).....	45	2	5.9	1.4	-0.7	-0.9	0.9	-0.2
Architectural and engineering services.....	45	3	2.8	0.0	0.0	0.7	0.2	0.3
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	2.0	-0.4	0.3	0.9	0.7	0.0
Staffing services.....	46	3	-0.5	0.2	0.0	-0.3	0.0	-0.5
Janitorial services <sup>2</sup> .....	49	1	0.1	0.0	0.0	-0.1	0.2	0.1
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.2	-0.3	-0.3	1.3	1.2	0.3
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	5.7	0.2	-1.0	1.1	0.3	-1.1
Building materials, paint, and hardware wholesaling.....	57	3	-0.9	-0.8	-1.7	0.3	-0.3	2.6
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-7.3	-14.7	2.7	-6.2	-2.0	0.4
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	8.9	-4.1	-1.5	-0.2	2.0	0.3
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-4.3	-2.4	-0.5	-0.8	-0.8	-0.8
Food and alcohol wholesaling <sup>2</sup> .....	57	8	7.7	1.2	3.0	1.6	-0.2	-0.2
Hardware and building materials and supplies retailing.....	58	D	11.0	-0.2	-2.2	1.2	-0.2	1.0
Metal treatment services <sup>2</sup> .....	59	1	3.7	0.1	0.0	0.3	-0.3	0.1
Stage 3 intermediate demand.....	ID5	3	1.2	1.0	-0.1	0.2	-0.3	0.0
Stage 3 intermediate demand goods.....	ID5	9311	-1.1	2.5	-0.3	0.2	-1.3	-0.1
Slaughter cattle.....	01	31	9.8	1.6	7.7	-2.5	5.6	-1.3
Slaughter hogs.....	01	32	-5.9	35.6	4.6	22.4	-10.8	-14.9
Slaughter poultry.....	01	4	-8.6	0.8	-3.5	-6.1	-1.3	1.2
Raw milk.....	01	6	33.7	5.1	0.1	-2.3	9.9	10.2
Commercial electric power.....	05	42	0.9	2.7	-1.0	1.2	-0.9	-0.9
Industrial electric power.....	05	43	4.0	2.0	-0.3	1.2	-2.5	3.6
Gasoline.....	05	71	-7.8	6.3	-3.0	4.5	-7.3	-5.8
Jet fuel <sup>2</sup> .....	05	7203	3.2	9.8	-5.4	0.3	-6.2	-4.6
No. 2 diesel fuel.....	05	7303	-10.6	14.9	1.8	2.8	-23.7	-3.3
Finished lubricants <sup>2</sup> .....	05	76	-1.5	-0.2	-0.9	0.0	0.0	-0.1
Lubricating oil base stocks <sup>2</sup> .....	05	78	9.9	-0.4	-4.7	3.2	4.4	5.4
Asphalt.....	05	8102	2.7	-13.7	8.8	-4.6	3.9	-3.6
Basic inorganic chemicals <sup>2</sup> .....	06	13	-7.7	-1.0	0.2	-0.1	1.2	0.0
Basic organic chemicals.....	06	14	-5.7	3.0	0.2	1.3	-2.2	-0.9
Paints and allied products <sup>2</sup> .....	06	2	-2.4	-0.1	0.0	-0.2	-0.5	-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**  
[June 2024]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2023 to June 2024 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Agricultural chemicals and chemical products.....	06	5	-2.8	-1.1	0.0	-0.1	-1.4	1.2
Plastic resins and materials.....	06	6	-4.7	0.6	-1.5	1.1	-0.2	-1.3
Synthetic rubber <sup>2</sup> .....	07	1102	7.6	1.2	3.3	4.6	2.0	1.6
Unsupported plastic film, sheet, and other shapes <sup>2</sup> .....	07	22	-1.7	0.7	0.1	0.5	0.8	-0.2
Paper <sup>2</sup> .....	09	13	0.0	0.3	-0.2	0.5	0.6	-0.2
Paperboard <sup>2</sup> .....	09	14	-2.2	-0.2	0.2	0.5	0.3	0.3
Converted paper and paperboard products <sup>2</sup> .....	09	15	-0.9	0.2	-0.3	0.5	0.5	0.1
Commercial printing <sup>2</sup> .....	09	47	1.7	0.2	0.2	-0.2	0.2	0.0
Foundry and forge shop products <sup>2</sup> .....	10	15	1.1	0.6	0.4	-0.3	-1.2	1.2
Steel mill products <sup>2</sup> .....	10	17	-15.0	3.5	-8.1	-2.6	0.5	-1.8
Nonferrous mill shapes <sup>2</sup> .....	10	25	5.6	0.2	0.2	1.8	3.9	2.0
Nonferrous foundry shop products.....	10	28	4.7	1.0	0.7	-0.2	1.0	0.8
Metal containers <sup>2</sup> .....	10	3	-2.6	0.2	-0.4	-0.1	0.2	0.2
Structural, architectural, and pre-engineered metal products.....	10	74	-5.3	-1.1	-7.7	-0.4	0.4	-1.4
Bolts, nuts, screws, rivets, and washers <sup>2</sup> .....	10	81	8.2	1.7	0.5	1.0	0.0	0.0
Other miscellaneous metal products <sup>2</sup> .....	10	89	1.4	0.2	0.1	0.3	0.0	0.2
General purpose machinery and equipment.....	11	4	3.6	0.6	0.2	0.4	0.2	0.1
Electrical machinery and equipment.....	11	7	2.5	0.3	0.2	0.0	0.1	0.0
Construction sand, gravel, and crushed stone.....	13	21	6.6	-0.1	0.3	0.6	-0.1	0.2
Cement.....	13	22	6.9	0.3	1.4	-0.3	0.7	0.4
Motor vehicle parts <sup>2</sup> .....	14	12	0.9	0.1	0.1	0.1	0.0	0.1
Aircraft and aircraft equipment.....	14	2	3.6	0.3	0.1	0.3	0.1	0.2
Stage 3 intermediate demand services.....	ID5	9312	3.0	-0.2	0.0	0.2	0.5	0.0
Rail transportation of freight and mail <sup>2</sup> .....	30	11	3.3	-1.4	-0.1	0.9	0.2	0.0
Courier, messenger, and U.S. postal services.....	30	16	6.0	1.3	0.0	0.3	0.4	0.1
Arrangement of freight and cargo <sup>2</sup> .....	31	31	15.7	3.6	-4.0	3.7	9.3	-0.9
Freight forwarding <sup>2</sup> .....	31	3201	-2.1	-2.4	0.0	0.0	0.7	0.0
Warehousing, storage, and related services <sup>2</sup> .....	32	1	3.1	2.1	1.0	1.5	-0.6	-2.9
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-0.3	0.2	0.0	0.4	0.1	0.0
Wired telephone services <sup>2</sup> .....	37	1	5.5	0.5	1.3	1.5	0.9	0.0
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	3.5	0.4	-0.2	3.0	-0.5	-0.3
Data processing and related services <sup>2</sup> .....	38	1	1.7	0.1	-0.3	0.4	0.4	-0.5
Business loans (partial).....	39	11	0.1	2.8	0.1	0.0	-0.6	0.3
Deposit services (partial) <sup>2</sup> .....	39	2	18.5	1.1	2.7	-0.2	0.4	4.8
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	8.1	0.7	2.5	-0.1	-0.3	0.9
Insurance.....	41	11	3.4	0.4	0.3	0.0	0.4	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	2.6	-3.6	-0.2	0.3	-0.9	1.9
Legal services.....	45	1	8.0	0.6	0.1	1.6	0.3	0.1
Accounting services (partial).....	45	2	5.9	1.4	-0.7	-0.9	0.9	-0.2
Architectural and engineering services.....	45	3	2.8	0.0	0.0	0.7	0.2	0.3
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	2.0	-0.4	0.3	0.9	0.7	0.0
Advertising agency services <sup>2</sup> .....	45	51	-0.1	0.3	0.0	0.0	0.3	-0.4
Staffing services.....	46	3	-0.5	0.2	0.0	-0.3	0.0	-0.5
Aircraft repair maintenance.....	55	4	10.2	1.7	0.7	0.8	0.9	0.2
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	5.7	0.2	-1.0	1.1	0.3	-1.1
Building materials, paint, and hardware wholesaling.....	57	3	-0.9	-0.8	-1.7	0.3	-0.3	2.6
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-7.3	-14.7	2.7	-6.2	-2.0	0.4
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	8.9	-4.1	-1.5	-0.2	2.0	0.3
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-4.3	-2.4	-0.5	-0.8	-0.8	-0.8
Food wholesaling <sup>2</sup> .....	57	8101	8.0	1.3	2.8	1.9	-0.1	-0.2
Metal treatment services <sup>2</sup> .....	59	1	3.7	0.1	0.0	0.3	-0.3	0.1
Stage 2 intermediate demand.....	ID5	2	3.7	0.1	-0.9	1.3	-0.2	0.8
Stage 2 intermediate demand goods.....	ID5	9211	3.5	-0.7	-2.5	2.8	-1.2	1.6
Corn.....	01	2202	-31.1	-9.2	4.1	-4.9	6.7	0.0
Oilseeds.....	01	83	-13.7	-8.9	0.4	-1.0	4.7	-3.1
Prepared animal feeds.....	02	9	-7.3	-2.4	-2.0	-0.4	0.1	0.5
Coal <sup>2</sup> .....	05	1	8.1	6.2	-3.7	-0.7	2.1	0.7
Natural gas <sup>2</sup> .....	05	31	19.4	-24.1	-36.5	-4.9	21.8	36.3
Liquefied petroleum gas <sup>2</sup> .....	05	32	27.1	-0.3	0.1	6.3	-2.6	-5.1
Crude petroleum <sup>2</sup> .....	05	61	13.3	5.4	1.7	8.5	-7.4	-0.2
No. 2 diesel fuel.....	05	7303	-10.6	14.9	1.8	2.8	-23.7	-3.3
Industrial chemicals.....	06	1	-6.1	2.2	0.2	1.0	-1.6	-0.7
Plastic resins and materials.....	06	6	-4.7	0.6	-1.5	1.1	-0.2	-1.3
Plastic products <sup>2</sup> .....	07	2	-0.1	-0.1	0.3	0.5	0.0	0.0
Logs, bolts, timber, pulpwood, and wood chips <sup>2</sup> .....	08	5	-4.2	-0.5	-0.2	-1.7	-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**  
 [June 2024]

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2023 to June 2024 <sup>P</sup>	Jan. to Feb.	Feb. to Mar. <sup>P</sup>	Mar. to Apr. <sup>P</sup>	Apr. to May <sup>P</sup>
Paper <sup>2</sup> .....	09	13	0.0	0.3	-0.2	0.5	0.6	-0.2
Paperboard, excluding corrugated paperboard <sup>2</sup> .....	09	1411	-2.5	-0.2	0.2	0.6	0.3	0.3
Commercial printing <sup>2</sup> .....	09	47	1.7	0.2	0.2	-0.2	0.2	0.0
Iron and steel scrap.....	10	12	-7.2	-3.7	-14.1	1.8	1.9	0.0
Steel mill products <sup>2</sup> .....	10	17	-15.0	3.5	-8.1	-2.6	0.5	-1.8
Nonferrous mill shapes <sup>2</sup> .....	10	25	5.6	0.2	0.2	1.8	3.9	2.0
Electrical machinery and equipment.....	11	7	2.5	0.3	0.2	0.0	0.1	0.0
Electronic components and accessories.....	11	78	0.8	0.0	0.0	0.3	-0.2	-0.9
Stage 2 intermediate demand services.....	ID5	9212	3.8	0.7	0.1	0.3	0.5	0.3
Rail transportation of freight and mail <sup>2</sup> .....	30	11	3.3	-1.4	-0.1	0.9	0.2	0.0
Truck transportation of freight <sup>2</sup> .....	30	12	-0.6	0.7	-0.5	0.6	0.3	-1.2
U.S. Postal Service <sup>2</sup> .....	30	1601	7.1	3.2	0.0	0.0	0.0	0.0
Courier and messenger services, except air.....	30	1602	5.1	0.0	0.3	0.4	0.7	0.6
Air mail and package delivery services, excluding by USPS.....	30	1603	6.1	1.1	-0.5	0.5	0.6	-0.5
Pipeline transportation <sup>2</sup> .....	30	17	4.4	-0.7	0.0	1.5	0.1	0.0
Airline passenger services.....	30	22	-1.5	3.1	1.8	-3.6	-3.9	1.1
Arrangement of freight and cargo <sup>2</sup> .....	31	31	15.7	3.6	-4.0	3.7	9.3	-0.9
Television advertising time sales.....	36	21	-5.9	4.7	-6.1	1.7	0.7	-1.8
Wireless telecommunication services.....	37	2	0.2	0.0	0.1	0.1	-0.4	0.1
Data processing and related services <sup>2</sup> .....	38	1	1.7	0.1	-0.3	0.4	0.4	-0.5
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	8.1	0.7	2.5	-0.1	-0.3	0.9
Portfolio management <sup>2</sup> .....	40	2	12.8	0.1	0.7	4.2	-0.8	1.0
Investment banking <sup>2</sup> .....	40	31	15.4	3.4	4.5	-0.4	1.6	1.4
Insurance.....	41	11	3.4	0.4	0.3	0.0	0.4	0.0
Commissions from sales of insurance <sup>2</sup> .....	42	11	1.4	0.3	0.0	0.0	0.0	0.0
Legal services.....	45	1	8.0	0.6	0.1	1.6	0.3	0.1
Accounting services (partial).....	45	2	5.9	1.4	-0.7	-0.9	0.9	-0.2
Management, scientific, and technical consulting services <sup>2</sup> .....	45	4	2.0	-0.4	0.3	0.9	0.7	0.0
Advertising agency services <sup>2</sup> .....	45	51	-0.1	0.3	0.0	0.0	0.3	-0.4
Staffing services.....	46	3	-0.5	0.2	0.0	-0.3	0.0	-0.5
Security guard services <sup>2</sup> .....	48	1	9.8	0.6	-0.1	0.2	-0.1	0.5
Janitorial services <sup>2</sup> .....	49	1	0.1	0.0	0.0	-0.1	0.2	0.1
Traveler accommodation services.....	53	1	0.8	-1.3	-2.3	3.1	2.7	-0.2
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.2	-0.3	-0.3	1.3	1.2	0.3
Hardware and building materials and supplies retailing.....	58	D	11.0	-0.2	-2.2	1.2	-0.2	1.0
Stage 1 intermediate demand.....	ID5	1	1.0	0.4	-0.3	0.3	-0.7	0.1
Stage 1 intermediate demand goods.....	ID5	9111	-1.7	1.3	-0.9	0.4	-1.6	-0.3
Prepared animal feeds.....	02	9	-7.3	-2.4	-2.0	-0.4	0.1	0.5
Commercial electric power.....	05	42	0.9	2.7	-1.0	1.2	-0.9	-0.9
Industrial electric power.....	05	43	4.0	2.0	-0.3	1.2	-2.5	3.6
Commercial natural gas.....	05	52	2.5	2.1	0.4	-3.1	-4.0	2.2
Industrial natural gas.....	05	53	0.9	-0.5	-0.4	-3.5	-3.7	2.8
Gasoline.....	05	71	-7.8	6.3	-3.0	4.5	-7.3	-5.8
No. 2 diesel fuel.....	05	7303	-10.6	14.9	1.8	2.8	-23.7	-3.3
Industrial chemicals.....	06	1	-6.1	2.2	0.2	1.0	-1.6	-0.7
Prepared paint <sup>2</sup> .....	06	21	-1.1	-0.2	-0.1	-0.2	0.1	-0.1
Plastic construction products <sup>2</sup> .....	07	21	0.1	-0.3	0.0	0.6	-0.3	0.1
Recyclable paper <sup>2</sup> .....	09	12	83.8	12.8	11.4	-0.6	1.2	1.8
Paper <sup>2</sup> .....	09	13	0.0	0.3	-0.2	0.5	0.6	-0.2
Converted paper and paperboard products <sup>2</sup> .....	09	15	-0.9	0.2	-0.3	0.5	0.5	0.1
Iron and steel scrap.....	10	12	-7.2	-3.7	-14.1	1.8	1.9	0.0
Steel mill products <sup>2</sup> .....	10	17	-15.0	3.5	-8.1	-2.6	0.5	-1.8
Primary nonferrous metals <sup>2</sup> .....	10	22	12.0	2.4	1.1	3.2	6.3	1.2
Nonferrous scrap.....	10	23	11.9	-1.0	3.8	3.6	8.8	0.9
Nonferrous wire and cable <sup>2</sup> .....	10	26	11.2	1.4	0.5	2.9	5.3	0.4
Fabricated structural metal products.....	10	7	-1.4	-0.4	-3.8	-0.3	0.0	-0.8
General purpose machinery and equipment.....	11	4	3.6	0.6	0.2	0.4	0.2	0.1
Construction sand, gravel, and crushed stone.....	13	21	6.6	-0.1	0.3	0.6	-0.1	0.2
Stage 1 intermediate demand services.....	ID5	9112	3.7	-0.5	0.3	0.1	0.2	0.5
Truck transportation of freight <sup>2</sup> .....	30	12	-0.6	0.7	-0.5	0.6	0.3	-1.2
Airline passenger services.....	30	22	-1.5	3.1	1.8	-3.6	-3.9	1.1
Advertising space sales in periodicals, newspapers, directories, and mailing lists <sup>2</sup> .....	36	1	-0.3	0.2	0.0	0.4	0.1	0.0
Business wired telecommunication services <sup>2</sup> .....	37	12	6.1	1.1	1.0	1.5	1.1	0.0
Wireless telecommunication services.....	37	2	0.2	0.0	0.1	0.1	-0.4	0.1

See footnotes at end of table.

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

Grouping	Commodity code		Unadjusted 12-month percent change <sup>1</sup>	Seasonally adjusted 1-month percent change <sup>1</sup>				
	Group code	Item code		June 2023 to June 2024 <sup>p</sup>	Jan. to Feb.	Feb. to Mar. <sup>p</sup>	Mar. to Apr. <sup>p</sup>	Apr. to May <sup>p</sup>
Bundled wired telecommunications access services <sup>2</sup> .....	37	5	3.5	0.4	-0.2	3.0	-0.5	-0.3
Business loans (partial).....	39	11	0.1	2.8	0.1	0.0	-0.6	0.3
Deposit services (partial) <sup>2</sup> .....	39	2	18.5	1.1	2.7	-0.2	0.4	4.8
Securities brokerage, dealing, investment advice, and related services <sup>2</sup> .....	40	1	8.1	0.7	2.5	-0.1	-0.3	0.9
Portfolio management <sup>2</sup> .....	40	2	12.8	0.1	0.7	4.2	-0.8	1.0
Investment banking <sup>2</sup> .....	40	3	15.4	3.4	4.5	-0.4	1.6	1.4
Insurance.....	41	11	3.4	0.4	0.3	0.0	0.4	0.0
Nonresidential real estate rents <sup>2</sup> .....	43	11	2.6	-3.6	-0.2	0.3	-0.9	1.9
Architectural and engineering services.....	45	3	2.8	0.0	0.0	0.7	0.2	0.3
Management consulting services <sup>2</sup> .....	45	41	2.0	-0.4	0.3	0.9	0.7	0.0
Waste collection.....	50	1	6.2	-1.5	1.3	1.0	2.5	0.4
Traveler accommodation services.....	53	11	0.8	-1.3	-2.3	3.1	2.7	-0.2
Commercial and industrial machinery and equipment repair and maintenance.....	55	1	7.2	-0.3	-0.3	1.3	1.2	0.3
Machinery and equipment parts and supplies wholesaling <sup>2</sup> .....	57	1102	5.7	0.2	-1.0	1.1	0.3	-1.1
Building materials, paint, and hardware wholesaling.....	57	3	-0.9	-0.8	-1.7	0.3	-0.3	2.6
Metals, minerals, and ores wholesaling <sup>2</sup> .....	57	4	-7.3	-14.7	2.7	-6.2	-2.0	0.4
Chemicals and allied products wholesaling <sup>2</sup> .....	57	5	8.9	-4.1	-1.5	-0.2	2.0	0.3
Paper and plastics products wholesaling <sup>2</sup> .....	57	6	-4.3	-2.4	-0.5	-0.8	-0.8	-0.8
Hardware and building materials and supplies retailing.....	58	D	11.0	-0.2	-2.2	1.2	-0.2	1.0
Mining services <sup>2</sup> .....	60	1	2.8	0.4	-0.9	1.3	0.0	0.1

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

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

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

p Preliminary

"-" Data not available.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Feb. 2024	Mar. 2024 <sup>P</sup>	Apr. 2024 <sup>P</sup>	May 2024 <sup>P</sup>	June 2024 <sup>P</sup>
<b>Final Demand</b>								
Final demand.....		FD	4	143.509	143.410	144.119	144.079	144.402
Final demand goods.....		FD	41	144.273	144.021	144.514	143.404	142.617
Final demand foods.....		FD	411	151.772	152.293	151.150	151.151	150.646
Finished consumer foods <sup>2</sup> .....	00/82	FD	4111	272.406	273.081	271.121	270.206	269.918
Finished consumer foods, crude.....	00/82	FD	411113	295.673	283.804	271.149	250.813	262.719
Finished consumer foods, processed.....	00/82	FD	41112	269.006	270.874	269.942	270.881	269.438
Government purchased foods.....		FD	4112	156.916	157.802	156.748	156.902	157.072
Foods for export.....		FD	4113	140.422	141.425	140.080	142.381	140.030
Final demand energy.....		FD	412	143.877	142.031	144.527	137.860	134.220
Finished consumer energy goods <sup>2</sup> .....	00/82	FD	4121	225.303	222.908	227.008	218.218	212.152
Government purchased energy.....		FD	4122	154.163	151.696	153.765	141.017	137.646
Energy for export.....		FD	4123	135.422	131.264	133.473	126.670	124.734
Final demand goods less foods and energy.....		FD	413	142.415	142.446	142.771	143.085	143.109
Finished goods less foods and energy <sup>2</sup> .....	00/82	FD	4131	250.980	251.443	251.754	252.338	252.502
Finished consumer goods less foods and energy.....	00/82	FD	41311	278.309	278.554	278.865	279.783	279.851
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	362.344	362.328	362.854	364.837	365.014
Durable consumer goods.....	00/82	FD	413112	192.385	192.830	192.945	192.933	192.906
Private capital equipment.....	00/82	FD	41312	216.012	216.645	216.943	217.209	217.450
Private capital equipment for manufacturing industries.....	00/82	FD	413121	232.861	233.841	234.134	234.924	235.258
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	210.977	211.506	211.806	211.917	212.131
Government purchased goods, excluding foods and energy.....		FD	4132	138.673	138.998	139.311	139.207	139.265
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	146.313	146.677	147.066	146.772	146.678
Government purchased capital equipment.....		FD	41322	126.957	127.230	127.445	127.572	127.810
Goods for export, excluding foods and energy.....		FD	4133	138.072	137.605	138.180	138.585	138.479
Final demand services.....		FD	42	142.056	142.017	142.840	143.280	144.091
Final demand trade services <sup>3</sup> .....		FD	423	150.919	149.745	150.692	151.783	154.718
Trade of finished goods <sup>2</sup> .....		FD	4231	148.890	147.755	148.397	149.824	152.847
Trade of personal consumption goods.....		FD	42311	149.178	148.453	147.905	150.480	153.011
Trade of private capital equipment.....		FD	42312	145.922	142.987	148.890	145.218	150.403
Trade of government purchased goods.....		FD	4232	164.189	162.807	166.129	164.921	167.711
Trade of government purchased goods, excluding capital equipment.....		FD	42321	170.427	170.697	170.702	172.711	173.816
Trade of government purchased capital equipment.....		FD	42322	153.296	149.458	157.702	151.699	157.008
Trade of exports.....		FD	4233	164.993	163.522	166.461	165.233	167.383
Final demand transportation and warehousing services.....		FD	422	150.983	151.284	150.550	149.361	148.805
Transportation of passengers for final demand.....		FD	4221	140.469	142.908	137.821	132.447	133.875
Transportation of private passengers.....		FD	42211	140.461	142.895	137.818	132.455	133.879
Transportation of government passengers.....		FD	42212	140.196	142.608	137.577	132.262	133.672
Transportation of passengers for export.....		FD	42213	140.514	142.974	137.843	132.423	133.864
Transportation and warehousing of goods for final demand.....		FD	4222	154.255	153.720	154.689	155.140	153.811
Transportation and warehousing of finished goods <sup>2</sup> .....		FD	42221	152.033	151.455	152.385	152.798	151.385
Transportation and warehousing of personal consumption goods.....		FD	422211	152.664	152.099	153.025	153.440	152.052
Transportation and warehousing of private capital equipment.....		FD	422212	149.473	148.843	149.789	150.195	148.676
Transportation and warehousing of government purchased goods.....		FD	42222	153.426	153.077	154.227	154.468	153.014
Transportation and warehousing of exports.....		FD	42223	160.709	160.232	161.259	161.845	160.731
Final demand services less trade, transportation, and warehousing.....		FD	421	136.924	137.308	138.238	138.583	138.680
Finished services less trade, transportation, and warehousing <sup>2</sup> .....		FD	4211	137.129	137.465	138.354	138.731	138.807
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	136.673	137.049	137.864	138.268	138.336
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	141.827	141.852	143.333	143.501	143.638
Government purchased services less trade, transportation, and warehousing.....		FD	4212	127.738	127.943	128.914	129.158	129.314
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	128.520	128.707	129.664	129.939	130.138
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	110.418	110.854	111.994	111.771	111.327
Services for export less trade, transportation, and warehousing.....		FD	4213	145.321	146.608	148.089	148.089	148.426
Final demand construction.....		FD	43	174.642	174.819	174.986	174.941	175.597
Construction for private capital investment.....		FD	431	178.693	178.907	178.996	179.004	179.763
Construction for government.....		FD	432	167.118	167.221	167.551	167.397	167.835
<b>Final Demand Special Groupings</b>								
Final demand less exports.....	04/10	FD	49101	141.252	141.168	141.842	141.815	142.178
Final demand less government.....	04/10	FD	49102	141.492	141.398	142.080	142.159	142.507
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>1</sup> .....	04/10	FD	49103	141.498	141.464	142.116	142.530	143.190
Final demand less foods and energy <sup>4</sup> .....	04/10	FD	49104	141.240	141.222	141.913	142.310	142.941
Final demand less foods and food and nonalcoholic beverages for immediate consumption <sup>4</sup> .....	04/10	FD	49105	141.216	141.062	141.833	141.781	142.156

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Feb. 2024	Mar. 2024 <sup>P</sup>	Apr. 2024 <sup>P</sup>	May 2024 <sup>P</sup>	June 2024 <sup>P</sup>
Final demand less foods <sup>4</sup> .....	04/10	FD	49106	140.919	140.787	141.589	141.547	141.911
Final demand less energy.....	04/10	FD	49107	141.582	141.594	142.182	142.555	143.121
Final demand less trade services.....	01/10	FD	49108	140.096	140.234	140.882	140.595	140.346
Final demand less distributive services <sup>5</sup> .....	01/10	FD	49109	139.656	139.823	140.458	140.140	139.935
Final demand goods less energy.....	01/10	FD	49111	142.939	143.076	143.079	143.321	143.230
Final demand goods less foods.....	04/10	FD	49112	139.583	139.177	140.000	138.682	137.853
Final demand services less trade services.....	04/10	FD	49113	137.040	137.413	138.179	138.378	138.413
Final demand distributive services <sup>5</sup> .....	04/10	FD	49114	148.385	147.332	148.264	149.234	151.454
Final demand goods plus final demand distributive services <sup>5</sup> .....	04/10	FD	49115	143.890	143.311	143.979	143.746	144.211
Final demand less foods, energy, and trade services <sup>4</sup> .....	08/13	FD	49116	130.739	130.997	131.587	131.795	131.844
Private and government purchased capital equipment.....	08/13	FD	49117	130.466	130.834	131.020	131.176	131.336
Private and government purchased capital investment services.....	08/13	FD	49118	133.011	131.926	134.918	133.634	135.476
Total private and government purchased capital investment.....	08/13	FD	49119	134.854	134.469	136.048	135.459	136.515
Total finished <sup>2</sup> .....	01/10	FD	49201	142.225	142.146	142.803	142.916	143.321
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy <sup>2, 4</sup> .....	12/10	FD	49202	140.902	140.878	141.508	142.042	142.757
Total finished less foods and energy <sup>2, 4</sup> .....	01/10	FD	49203	141.765	141.755	142.386	142.913	143.635
Total finished less foods and food and nonalcoholic beverages for immediate consumption <sup>2, 4</sup> .....	12/10	FD	49204	140.223	140.108	140.856	141.009	141.437
Total finished less foods <sup>2, 4</sup> .....	01/10	FD	49205	141.644	141.540	142.293	142.440	142.877
Total finished less energy <sup>2</sup> .....	01/10	FD	49206	142.385	142.396	142.932	143.402	144.075
Finished goods <sup>2</sup> .....	00/82	FD	49207	258.298	258.056	258.921	256.701	255.106
Finished goods less energy <sup>2</sup> .....	00/82	FD	49208	255.877	256.396	256.092	256.270	256.311
Finished goods, excluding foods <sup>2, 4</sup> .....	00/82	FD	49209	253.916	253.433	255.040	252.482	250.546
Finished services <sup>2</sup> .....	01/10	FD	49210	140.279	140.212	140.940	141.514	142.353
Private capital investment services.....	04/10	FD	49211	143.060	141.945	145.038	143.786	145.713
Finished distributive services <sup>2, 5</sup> .....	04/10	FD	49212	146.201	145.156	145.820	147.096	149.523
Finished services less trade services <sup>2</sup> .....	04/10	FD	49213	136.869	137.199	137.958	138.214	138.240
Finished services less distributive services <sup>2, 5</sup> .....	04/10	FD	49214	136.306	136.686	137.438	137.686	137.791
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	142.761	142.336	144.050	143.449	144.599
Finished goods plus finished distributive services <sup>2</sup> .....	04/10	FD	49216	145.049	144.476	145.045	145.019	145.720
Total exports.....	04/10	FD	49301	140.851	140.667	141.517	141.399	141.417
Goods for export.....	00/82	FD	49302	231.753	230.901	231.648	232.002	231.208
Services for export.....	04/10	FD	49303	153.361	153.604	155.057	154.484	155.172
Total government purchases.....	04/10	FD	49401	138.712	138.583	139.450	138.064	138.045
Government purchased goods.....	00/82	FD	49402	235.090	234.558	235.544	230.150	228.837
Government purchased services.....	04/10	FD	49403	135.652	135.635	136.837	136.706	137.235
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	133.524	133.257	134.531	133.806	134.628
Government purchases, defense.....	05/15	FD	49405	125.829	125.334	126.154	124.699	124.629
Government purchases, non-defense.....	05/15	FD	49406	132.885	132.929	133.748	132.498	132.504
Personal consumption.....	01/10	FD	49501	142.020	142.020	142.436	142.712	142.948
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	276.216	275.590	276.703	273.394	270.997
Personal consumption goods less energy.....	00/82	FD	49503	276.338	276.772	276.089	276.206	276.118
Personal consumption goods less foods.....	00/82	FD	49504	275.893	274.718	277.131	272.827	269.545
Personal consumption nondurable goods less foods.....	00/82	FD	49508	312.420	310.518	313.958	307.736	302.999
Personal consumption services.....	04/10	FD	49505	139.325	139.420	139.781	140.635	141.303
Personal consumption less trade services.....	04/10	FD	49506	139.635	139.816	140.469	140.172	139.838
Personal consumption less distributive services <sup>5</sup> .....	04/10	FD	49507	139.400	139.608	140.252	139.930	139.633
Personal consumption less foods and energy.....	04/14	FD	49510	130.523	130.615	130.933	131.694	132.257
Personal consumption less foods, energy, and trade services <sup>3</sup> .....	04/14	FD	49511	128.364	128.685	129.252	129.525	129.555
Personal consumption less foods, energy, and distributive services <sup>5</sup> .....	04/14	FD	49512	128.392	128.751	129.307	129.578	129.664
Personal consumption goods plus personal consumption distributive services <sup>5</sup> .....	08/13	FD	49509	133.600	133.130	133.226	133.493	133.852
<b>Intermediate Demand by Commodity Type</b>								
<b>Processed goods</b>								
Processed goods for intermediate demand.....	00/82	ID6	1	257.823	256.147	257.432	253.706	253.129
Materials and components for manufacturing.....	00/82	ID6	11	234.032	232.583	232.994	233.080	232.871
Materials for manufacturing.....		ID6	111	144.641	143.274	143.574	143.651	143.360
Materials for food manufacturing.....	00/82	ID6	1111	250.283	252.318	252.313	253.460	253.780
Materials for nondurable manufacturing.....	00/82	ID6	1112	259.858	260.367	262.149	260.221	259.268
Materials for durable manufacturing.....	00/82	ID6	1113	284.791	276.464	275.799	277.970	277.533
Components for manufacturing.....	00/82	ID6	112	189.937	189.755	189.991	190.013	190.183
Components for nondurable manufacturing.....		ID6	1121	146.015	146.218	146.791	147.301	147.222
Components for durable manufacturing.....		ID6	1122	134.128	133.984	134.132	134.125	134.255
Materials and components for construction.....	00/82	ID6	12	355.434	353.701	354.736	354.445	354.585
Materials for construction.....		ID6	121	169.222	170.074	170.783	170.049	170.587
Components for construction.....		ID6	122	180.531	178.230	178.572	178.929	178.604
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	251.387	247.830	252.292	233.293	230.724
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	254.421	251.685	255.598	241.737	246.150

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Feb. 2024	Mar. 2024 <sup>P</sup>	Apr. 2024 <sup>P</sup>	May 2024 <sup>P</sup>	June 2024 <sup>P</sup>
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	250.724	246.902	251.543	230.895	226.143
Containers for intermediate demand.....	00/82	ID6	14	304.650	303.927	305.124	306.551	307.193
Supplies for intermediate demand.....	00/82	ID6	15	250.178	249.684	250.003	250.246	250.289
Supplies to manufacturing industries.....	00/82	ID6	151	246.710	247.342	248.326	249.139	249.442
Supplies to nonmanufacturing industries.....	00/82	ID6	152	248.731	248.065	248.279	248.431	248.433
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	217.264	212.732	210.793	210.765	212.597
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	254.821	254.652	255.147	255.324	255.088
<b>Unprocessed goods</b>								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	244.000	240.500	245.440	245.935	249.429
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	212.283	215.719	214.372	220.335	219.599
Unprocessed nonfood materials.....	00/82	ID6	22	256.456	248.046	257.360	253.840	260.260
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	321.971	325.395	340.851	329.593	328.736
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	296.691	299.947	314.888	303.984	303.127
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	368.890	370.479	372.003	371.372	371.948
Unprocessed fuel.....	00/82	ID6	222	120.333	89.950	87.208	98.486	119.773
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	232.446	214.021	211.761	219.814	229.251
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	117.448	85.524	82.676	94.457	117.201
<b>Services</b>								
Services for intermediate demand.....		ID6	3	149.486	149.818	150.198	150.638	150.980
Trade services for intermediate demand <sup>5</sup> .....		ID6	33	175.104	175.237	174.458	175.797	176.696
Trade services for manufacturing industries.....	12/12	ID6	331	160.183	160.444	159.759	160.332	160.571
Trade services for nonmanufacturing industries.....	12/12	ID6	332	155.627	155.612	154.894	156.706	158.061
Transportation and warehousing services for intermediate demand.....		ID6	32	158.877	158.844	159.673	160.630	159.914
Transportation of passengers for intermediate demand.....		ID6	321	140.258	142.669	137.640	132.327	133.736
Transportation of passengers for manufacturing industries.....		ID6	3211	140.487	142.946	137.819	132.402	133.842
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	140.292	142.698	137.680	132.378	133.784
Transportation and warehousing of goods for intermediate demand.....		ID6	322	160.948	160.686	162.064	163.609	162.693
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	130.261	129.998	131.233	131.494	130.740
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	144.786	144.566	145.771	147.448	146.628
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	140.840	141.278	141.818	141.968	142.382
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	132.565	132.877	133.484	133.719	134.047
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	141.103	141.545	142.083	142.230	142.647
<b>Construction</b>								
Construction for intermediate demand.....		ID6	4	146.520	147.363	147.651	147.960	148.514
<b>Intermediate Demand by Commodity Type Special Groupings</b>								
Processed materials less foods and feeds.....	00/82	ID6	9111	259.616	257.746	259.234	255.040	254.361
Processed foods and feeds.....	00/82	ID6	9112	240.535	240.757	240.051	240.918	241.359
Processed energy goods.....	00/82	ID6	9113	252.554	248.980	253.463	234.376	231.819
Processed materials less energy.....	00/82	ID6	9118	256.043	254.860	255.333	255.474	255.399
Processed materials less foods and energy.....	00/82	ID6	9115	257.548	256.185	256.809	256.857	256.718
Intermediate distributive services <sup>6</sup> .....	04/10	ID6	9116	166.462	166.422	166.590	167.999	168.098
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	147.250	146.574	147.129	146.031	145.829
Unprocessed materials less agricultural products.....	00/82	ID6	9211	264.845	254.696	266.308	261.798	269.028
Unprocessed energy materials <sup>7</sup> .....	00/82	ID6	9212	198.089	187.409	198.567	191.746	200.704
Unprocessed materials less energy.....	00/82	ID6	9213	265.261	268.356	267.797	274.262	273.289
Unprocessed nonfood materials less energy <sup>8</sup> .....	00/82	ID6	9216	423.329	425.280	427.186	435.040	433.304
<b>Intermediate Demand by Production Flow</b>								
<b>Stage 4 Intermediate Demand</b>								
Stage 4 intermediate demand.....		ID5	4	150.553	150.615	151.117	150.926	151.032
Inputs to stage 4 goods producers.....		ID5	41	146.245	145.875	146.130	146.506	146.314
Goods.....		ID5	411	138.565	138.039	138.202	138.624	138.480
Foods.....		ID5	4111	138.806	139.042	138.896	140.435	139.754
Energy.....		ID5	4112	140.103	129.996	133.402	132.266	130.863
Goods excluding foods and energy.....		ID5	4113	138.623	138.068	138.249	138.514	138.464
Services.....		ID5	412	171.807	171.960	172.517	172.742	172.390
Trade services.....		ID5	4123	184.250	184.344	184.744	185.015	184.450
Transportation and warehousing services.....		ID5	4122	136.801	137.113	137.230	136.556	136.258
Transportation of passengers.....		ID5	41221	140.513	142.973	137.842	132.422	133.863
Transportation and warehousing of goods.....		ID5	41222	145.132	145.044	146.198	146.409	145.751
Services less trade, transportation, and warehousing.....		ID5	4121	133.061	133.318	134.415	134.772	135.044
Inputs to stage 4 services producers.....		ID5	42	149.000	149.522	150.153	149.820	150.153

See footnotes at end of table.



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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Feb. 2024	Mar. 2024 <sup>P</sup>	Apr. 2024 <sup>P</sup>	May 2024 <sup>P</sup>	June 2024 <sup>P</sup>
Goods.....		ID5	421	147.258	146.962	147.702	146.293	146.091
Foods.....		ID5	4211	147.515	148.896	148.829	149.697	147.865
Energy.....		ID5	4212	144.133	142.501	144.390	139.094	139.502
Goods excluding foods and energy.....		ID5	4213	148.137	148.106	148.419	148.589	148.549
Services.....		ID5	422	149.360	150.153	150.747	150.773	151.283
Trade services.....		ID5	4223	164.412	164.580	164.810	165.937	166.237
Transportation and warehousing services.....		ID5	4222	155.382	155.926	156.294	156.094	154.966
Transportation of passengers.....		ID5	42221	139.946	142.382	137.301	131.933	133.359
Transportation and warehousing of goods.....		ID5	42222	158.654	158.879	160.171	160.847	159.281
Services less trade, transportation, and warehousing.....		ID5	4221	146.054	146.933	147.586	147.517	148.218
Construction.....		ID5	423	146.520	147.363	147.651	147.960	148.514
Inputs to stage 4 construction producers.....		ID5	43	164.092	163.202	163.709	162.842	162.677
Goods.....		ID5	431	168.851	167.671	168.484	167.106	166.617
Energy.....		ID5	4312	153.253	150.419	155.231	141.475	135.183
Goods excluding foods and energy.....		ID5	4313	174.289	173.247	173.677	173.513	173.590
Services.....		ID5	432	151.884	151.719	151.466	151.869	152.522
Trade services.....		ID5	4323	170.254	169.745	167.791	168.221	170.217
Transportation and warehousing services.....		ID5	4322	146.289	145.828	146.661	146.865	145.535
Transportation of passengers.....		ID5	43221	146.461	149.020	143.682	138.042	139.541
Transportation and warehousing of goods.....		ID5	43222	147.062	146.526	147.511	147.857	146.452
Services less trade, transportation, and warehousing.....		ID5	4321	132.912	133.151	133.915	134.356	134.609
<b>Stage 3 Intermediate Demand</b>								
Stage 3 intermediate demand.....		ID5	3	147.526	147.345	147.589	147.145	147.072
Inputs to stage 3 goods producers.....		ID5	31	154.571	154.433	153.937	154.668	155.082
Goods.....		ID5	311	149.630	149.368	149.002	149.876	150.331
Foods.....		ID5	3111	159.303	161.540	159.798	163.144	166.522
Energy.....		ID5	3112	135.504	134.148	134.169	128.569	126.515
Goods excluding foods and energy.....		ID5	3113	150.525	149.250	149.440	149.658	149.013
Services.....		ID5	312	163.217	163.564	162.604	162.732	162.956
Trade services.....		ID5	3123	169.859	170.653	168.196	168.241	169.167
Transportation and warehousing services.....		ID5	3122	149.547	149.178	149.829	149.926	148.891
Transportation of passengers.....		ID5	31221	149.603	152.221	146.762	140.993	142.527
Transportation and warehousing of goods.....		ID5	31222	149.334	148.800	149.787	150.208	149.032
Services less trade, transportation, and warehousing.....		ID5	3121	136.563	136.815	137.559	137.960	138.328
Inputs to stage 3 services producers.....		ID5	32	141.131	140.933	141.700	140.403	139.961
Goods.....		ID5	321	128.414	127.350	129.229	119.589	117.692
Foods.....		ID5	3211	154.132	154.030	153.199	153.475	153.170
Energy.....		ID5	3212	129.433	127.440	130.172	114.200	111.244
Goods excluding foods and energy.....		ID5	3213	136.610	137.016	137.655	137.762	137.458
Services.....		ID5	322	144.319	144.335	144.814	145.695	145.624
Trade services.....		ID5	3223	196.469	196.666	194.811	197.770	200.192
Transportation and warehousing services.....		ID5	3222	167.726	167.573	168.781	171.506	170.687
Transportation of passengers.....		ID5	32221	104.657	104.743	104.496	104.256	104.192
Transportation and warehousing of goods.....		ID5	32222	168.254	168.100	169.315	172.055	171.232
Services less trade, transportation, and warehousing.....		ID5	3221	135.267	135.319	135.740	135.993	135.979
Construction.....		ID5	323	146.520	147.363	147.651	147.960	148.514
Inputs to stage 3 construction producers.....		ID5	33	141.995	141.219	141.904	141.977	142.735
Goods.....		ID5	331	134.598	135.034	136.391	135.910	136.088
Goods excluding foods and energy.....		ID5	3313	171.510	172.066	173.795	173.182	173.408
Services.....		ID5	332	169.640	167.312	167.286	168.030	169.581
Trade services.....		ID5	3323	174.609	171.984	171.906	172.721	174.457
Transportation and warehousing services.....		ID5	3322	115.767	115.527	116.669	116.970	117.090
Transportation and warehousing of goods.....		ID5	33222	122.197	121.944	123.149	123.467	123.593
Services less trade, transportation, and warehousing.....		ID5	3321	127.672	128.175	128.173	128.199	128.070
<b>Stage 2 Intermediate Demand</b>								
Stage 2 intermediate demand.....		ID5	2	135.699	134.417	136.139	135.835	136.986
Inputs to stage 2 goods producers.....		ID5	21	121.929	119.705	122.579	121.575	123.244
Goods.....		ID5	211	116.196	112.982	116.546	115.027	117.157
Foods.....		ID5	2111	139.614	137.726	136.892	139.082	138.266
Energy.....		ID5	2112	87.920	83.445	88.435	85.324	88.835
Goods excluding foods and energy.....		ID5	2113	141.116	140.305	141.860	142.474	142.654
Services.....		ID5	212	152.789	153.565	154.493	155.068	155.411
Trade services.....		ID5	2123	171.601	173.501	173.984	175.464	176.106
Transportation and warehousing services.....		ID5	2122	169.859	169.979	172.272	172.455	172.469
Transportation of passengers.....		ID5	21221	140.710	143.064	138.150	132.958	134.330
Transportation and warehousing of goods.....		ID5	21222	171.596	171.608	174.255	174.699	174.647
Services less trade, transportation, and warehousing.....		ID5	2121	139.816	140.079	140.328	140.346	140.730
Construction.....		ID5	213	146.520	147.363	147.651	147.960	148.514

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Feb. 2024	Mar. 2024 <sup>P</sup>	Apr. 2024 <sup>P</sup>	May 2024 <sup>P</sup>	June 2024 <sup>P</sup>
Inputs to stage 2 services producers.....		ID5	22	148.027	147.954	148.194	148.765	149.238
Goods.....		ID5	221	144.279	143.421	143.839	142.811	142.671
Foods.....		ID5	2211	111.343	110.907	109.911	110.008	110.519
Energy.....		ID5	2212	158.656	154.248	156.345	140.418	138.785
Goods excluding foods and energy.....		ID5	2213	144.081	143.450	143.777	143.713	143.662
Services.....		ID5	222	148.092	148.095	148.310	149.083	149.629
Trade services.....		ID5	2223	186.439	187.244	181.524	189.591	193.966
Transportation and warehousing services.....		ID5	2222	150.994	149.629	150.765	155.667	155.170
Transportation of passengers.....		ID5	22221	140.916	143.366	138.257	132.860	134.294
Transportation and warehousing of goods.....		ID5	22222	153.443	151.371	153.659	160.472	159.620
Services less trade, transportation, and warehousing.....		ID5	2221	146.970	147.038	147.462	147.594	148.042
Construction.....		ID5	223	146.520	147.363	147.651	147.960	148.514
<b>Stage 1 Intermediate Demand</b>								
Stage 1 intermediate demand.....		ID5	1	146.445	145.997	146.389	145.389	145.535
Inputs to stage 1 goods producers.....		ID5	11	143.250	141.444	141.472	141.227	141.154
Goods.....		ID5	111	140.179	137.687	137.935	137.433	137.010
Foods.....		ID5	1111	130.532	131.799	130.234	133.634	132.802
Energy.....		ID5	1112	127.562	122.886	124.087	118.736	118.717
Goods excluding foods and energy.....		ID5	1113	148.456	145.787	146.121	146.111	145.647
Services.....		ID5	112	155.736	155.863	155.258	155.747	156.687
Trade services.....		ID5	1123	169.252	169.315	167.108	167.944	169.207
Transportation and warehousing services.....		ID5	1122	159.044	159.343	160.000	159.333	160.018
Transportation of passengers.....		ID5	11221	140.486	142.946	137.816	132.397	133.837
Transportation and warehousing of goods.....		ID5	11222	161.832	161.590	163.677	164.200	164.691
Services less trade, transportation, and warehousing.....		ID5	1121	112.831	112.989	114.242	114.394	114.825
Construction.....		ID5	113	146.520	147.363	147.651	147.960	148.514
Inputs to stage 1 services producers.....		ID5	12	147.074	147.454	148.052	146.730	147.043
Goods.....		ID5	121	147.185	146.806	148.038	143.199	142.766
Foods.....		ID5	1211	144.703	138.846	140.362	131.911	141.604
Energy.....		ID5	1212	156.654	155.865	159.110	143.038	141.536
Goods excluding foods and energy.....		ID5	1213	150.810	150.642	150.990	151.209	151.182
Services.....		ID5	122	146.350	147.046	147.375	147.540	148.166
Trade services.....		ID5	1223	175.706	175.324	173.969	175.990	177.707
Transportation and warehousing services.....		ID5	1222	147.234	147.890	146.696	145.391	145.479
Transportation of passengers.....		ID5	12221	140.402	142.860	137.734	132.318	133.758
Transportation and warehousing of goods.....		ID5	12222	166.573	166.352	167.101	167.822	167.208
Services less trade, transportation, and warehousing.....		ID5	1221	141.636	142.436	143.143	143.332	143.919
Construction.....		ID5	123	146.520	147.363	147.651	147.960	148.514
Inputs to stage 1 construction producers.....		ID5	13	164.072	163.532	164.008	162.307	162.309
Goods.....		ID5	131	165.762	165.676	166.374	163.608	163.308
Energy.....		ID5	1312	138.011	138.389	142.337	115.665	113.025
Goods excluding foods and energy.....		ID5	1313	171.815	171.671	171.988	172.064	172.032
Services.....		ID5	132	160.970	159.312	159.249	160.148	160.892
Trade services.....		ID5	1323	171.283	169.160	168.757	169.829	171.396
Transportation and warehousing services.....		ID5	1322	120.781	120.240	120.971	121.312	119.973
Transportation and warehousing of goods.....		ID5	13222	124.932	124.373	125.129	125.482	124.096
Services less trade, transportation, and warehousing.....		ID5	1321	140.117	140.630	141.256	142.432	142.365
<b>Intermediate Demand by Production Flow Special Groupings</b>								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	144.206	143.629	144.089	143.602	143.373
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	152.575	153.212	153.739	153.819	154.226
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	145.306	146.142	146.428	146.734	147.284
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	139.424	140.137	140.027	141.250	140.101
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	133.464	131.526	133.734	127.769	127.109
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	147.642	147.085	147.350	147.492	147.475
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	136.997	136.562	136.782	135.037	134.893
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	146.569	146.617	146.853	147.604	147.596
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	145.306	146.142	146.428	146.734	147.284
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	141.749	143.722	142.179	145.134	148.111
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	127.856	125.995	128.273	114.147	111.381
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	142.404	141.471	141.747	141.925	141.374
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	113.376	110.552	113.631	112.234	114.033
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	149.694	149.880	150.265	150.993	151.493
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	145.306	146.142	146.428	146.734	147.284
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	140.100	138.223	137.381	139.551	138.751
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	86.873	82.492	87.345	84.157	87.537
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	133.717	132.992	134.188	134.617	134.736
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	130.469	129.244	129.825	127.749	127.388

See footnotes at end of table.

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

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

Grouping	Other index base	Commodity code		Seasonally adjusted index <sup>1</sup>				
		Group code	Item code	Feb. 2024	Mar. 2024 <sup>p</sup>	Apr. 2024 <sup>p</sup>	May 2024 <sup>p</sup>	June 2024 <sup>p</sup>
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	148.152	148.595	148.736	149.004	149.688
Total construction inputs to stage 1 intermediate demand.....	04/10	ID5	9117	145.306	146.142	146.428	146.734	147.284
Total foods inputs to stage 1 intermediate demand.....	04/10	ID5	9114	123.086	124.112	122.711	125.634	125.096
Total energy goods inputs to stage 1 intermediate demand.....	04/10	ID5	9115	138.185	135.985	138.370	126.194	125.233
Total goods less foods and energy inputs to stage 1 intermediate demand.....	04/10	ID5	9116	127.662	126.518	126.796	126.860	126.661

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

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

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

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

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

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

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

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

p Preliminary

“-” Data not available.