



**Transmission of material in this release is embargoed until
 8:30 a.m. (ET), Tuesday, December 14, 2021**

USDL 21-2143

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PRODUCER PRICE INDEXES – NOVEMBER 2021

The Producer Price Index for final demand increased 0.8 percent in November, seasonally adjusted, the U.S. Bureau of Labor Statistics reported today. Final demand prices moved up 0.6 percent in each of the 3 prior months. (See table A.) On an unadjusted basis, the final demand index rose 9.6 percent for the 12 months ended in November, the largest advance since 12-month data were first calculated in November 2010.

In November, the index for final demand services rose 0.7 percent and prices for final demand goods increased 1.2 percent.

The index for final demand less foods, energy, and trade services moved up 0.7 percent in November, the largest rise since climbing 0.8 percent in July. For the 12 months ended in November, prices for final demand less foods, energy, and trade services increased 6.9 percent, the largest advance since 12-month data were first calculated in August 2014.

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

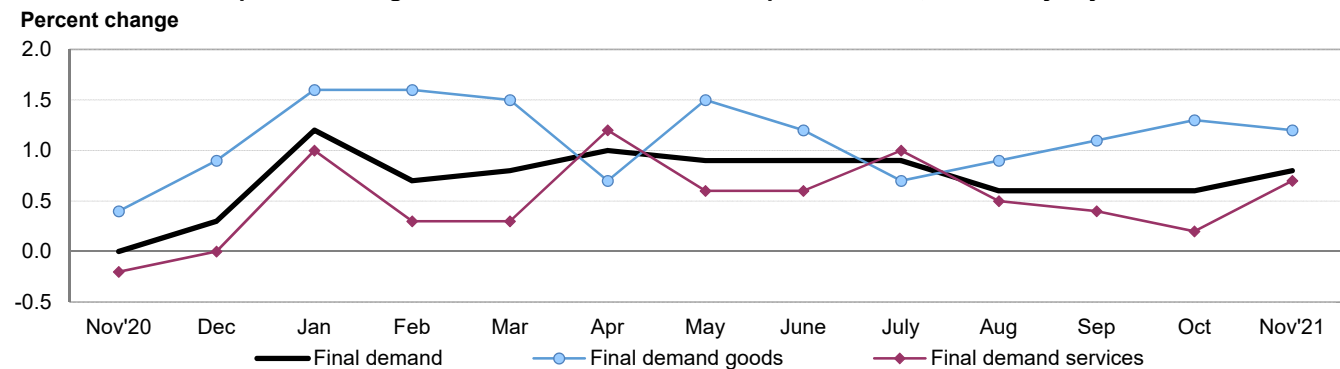
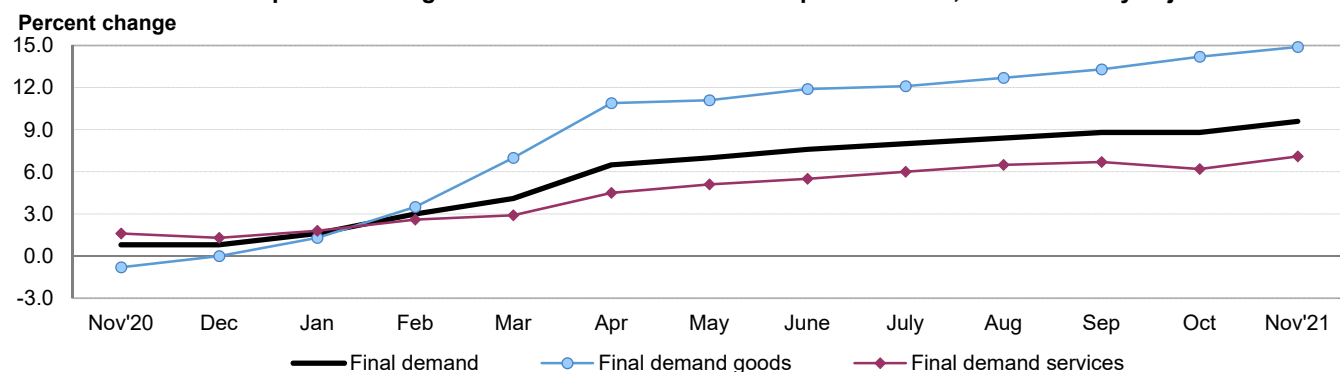


Chart 2. Twelve-month percent changes in selected PPI final demand price indexes, not seasonally adjusted



Final Demand

Final demand services: The index for final demand services rose 0.7 percent in November, the eleventh consecutive advance. Over half of the broad-based increase in November can be traced to prices for final demand services less trade, transportation, and warehousing, which climbed 0.6 percent. The indexes for final demand trade services and for final demand transportation and warehousing services also moved higher, rising 0.6 percent and 1.9 percent, respectively. (Trade indexes measure changes in margins received by wholesalers and retailers.)

Product detail: Leading the November increase in the index for final demand services, prices for portfolio management advanced 2.9 percent. The indexes for guestroom rental; securities brokerage, dealing, investment advice, and related services; fuels and lubricants retailing; airline passenger services; and transportation of freight and mail also moved higher. In contrast, margins for chemicals and allied products wholesaling fell 1.3 percent. The indexes for furnishings wholesaling and for bundled wired telecommunications access services also declined. (See table 2.)

Final demand goods: The index for final demand goods rose 1.2 percent in November following a 1.3-percent increase in October. In November, advances were broad based. Prices for final demand goods less foods and energy climbed 0.8 percent, the index for final demand energy jumped 2.6 percent, and prices for final demand foods moved up 1.2 percent.

Product detail: Within final demand goods in November, prices for iron and steel scrap rose 10.7 percent. The indexes for gasoline, fresh fruits and melons, fresh and dry vegetables, industrial chemicals, and jet fuel also moved higher. Conversely, prices for diesel fuel decreased 2.6 percent. The indexes for processed young chickens and for light motor trucks also fell.

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		
2020												
Nov....	0.0	0.2	0.4	0.2	1.7	0.3	-0.2	-0.7	-0.5	0.2	0.8	1.0
Dec....	0.3	0.4	0.9	-1.4	4.9	0.5	0.0	-0.7	-0.2	0.4	0.8	1.3
2021												
Jan...	1.2	1.0	1.6	1.6	5.1	0.8	1.0	0.8	0.7	1.2	1.6	1.9
Feb...	0.7	0.4	1.6	1.4	6.2	0.5	0.3	0.2	0.8	0.2	3.0	2.3
Mar...	0.8	0.6	1.5	0.6	5.0	0.8	0.3	0.2	1.4	0.4	4.1	3.1
Apr....	1.0	0.8	0.7	1.8	-1.2	1.0	1.2	2.3	3.6	0.4	6.5	4.8
May. . .	0.9	0.5	1.5	2.7	1.2	1.1	0.6	1.7	0.2	0.2	7.0	5.3
June...	0.9	0.6	1.2	0.8	2.9	1.0	0.6	0.9	1.6	0.3	7.6	5.6
July ¹ ..	0.9	0.8	0.7	-1.3	2.4	0.8	1.0	1.7	2.5	0.5	8.0	6.0
Aug. ¹ ..	0.6	0.4	0.9	2.1	0.6	0.6	0.5	1.1	0.9	0.2	8.4	6.2
Sept. ¹ ..	0.6	0.2	1.1	2.2	2.1	0.5	0.4	1.1	-1.4	0.3	8.8	6.0
Oct. ¹ ..	0.6	0.4	1.3	-0.3	5.3	0.6	0.2	0.5	1.1	-0.1	8.8	6.3
Nov....	0.8	0.7	1.2	1.2	2.6	0.8	0.7	0.6	1.9	0.6	9.6	6.9

¹ Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for July 2021 through October 2021 have been revised to reflect the availability of late reports and corrections by respondents.

Intermediate Demand by Commodity Type

Within intermediate demand in November, prices for processed goods moved up 1.5 percent, the index for unprocessed goods increased 4.8 percent, and prices for services advanced 0.6 percent. (See tables B and C.)

Processed goods for intermediate demand: The index for processed goods for intermediate demand advanced 1.5 percent in November after rising 2.4 percent in October. Over half of the November increase can be attributed to prices for processed materials less foods and energy, which moved up 1.2 percent. The index for processed energy goods rose 3.6 percent. In contrast, prices for processed foods and feeds fell 0.2 percent. For the 12 months ended in November, the index for processed goods for intermediate demand advanced 26.5 percent, the largest 12-month increase since jumping 28.9 percent in December 1974.

Product detail: A major factor in the increase in prices for processed goods for intermediate demand was the index for industrial chemicals, which rose 2.5 percent in November. Prices for utility natural gas, gasoline, electric power, fabricated structural metal products, and hot rolled steel sheet and strip also moved higher. Conversely, the index for confectionery materials fell 6.2 percent. Prices for diesel fuel and for primary nonferrous metals also decreased.

Unprocessed goods for intermediate demand: The index for unprocessed goods for intermediate demand rose 4.8 percent in November, the eighth consecutive increase. Over 80 percent of the November advance can be traced to prices for unprocessed energy materials, which moved up 8.7 percent. The index for unprocessed nonfood materials less energy increased 4.5 percent. In contrast, prices for unprocessed foodstuffs and feedstuffs fell 0.7 percent. For the 12 months ended in November, the index for unprocessed goods for intermediate demand jumped 52.5 percent.

Product detail: In November, nearly two-thirds of the rise in prices for unprocessed goods for intermediate demand can be attributed to a 14.3-percent increase in the index for natural gas. Prices for crude petroleum, grains, iron and steel, nonferrous metal ores, and fresh fruits and melons also moved higher. Conversely, the index for raw milk decreased 10.3 percent. Prices for slaughter poultry and for hides and skins 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.)
2020										
Nov.....	0.9	2.0	3.4	0.2	-0.2	6.3	2.3	15.3	2.8	0.6
Dec.....	1.4	-0.6	2.6	1.4	1.5	2.1	-3.6	6.5	5.3	1.3
2021										
Jan.....	1.8	0.9	1.9	1.8	3.4	5.3	2.7	5.4	8.6	7.9
Feb.....	2.9	2.2	6.7	2.0	7.1	11.9	2.4	33.6	-0.6	29.2
Mar.....	3.5	1.5	7.9	2.6	12.4	-4.2	1.6	-13.5	1.9	34.8
Apr.....	1.9	2.8	-2.8	3.0	18.7	2.0	8.7	-4.8	2.2	59.2
May.....	2.9	3.0	3.8	2.7	22.3	7.2	5.0	8.3	8.9	57.8
June.....	1.8	1.8	1.1	2.0	23.0	1.8	-0.8	5.6	0.5	52.9
July ¹	1.6	-1.0	3.4	1.4	23.1	2.9	-1.9	9.7	0.5	56.0
Aug. ¹	0.9	1.5	-0.6	1.2	23.1	1.8	4.0	0.2	1.5	52.3
Sept. ¹	1.1	1.7	2.1	0.8	23.8	2.7	0.9	7.9	-2.3	48.4
Oct. ¹	2.4	-1.1	7.2	1.6	25.7	5.5	-3.2	17.2	-1.6	54.9
Nov.....	1.5	-0.2	3.6	1.2	26.5	4.8	-0.7	8.7	4.5	52.5

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Services for intermediate demand: The index for services for intermediate demand advanced 0.6 percent in November after inching up 0.1 percent in October. Most of the increase in November can be attributed to a 0.8-percent rise in prices for services less trade, transportation, and warehousing for intermediate demand. The index for transportation and warehousing services for intermediate demand climbed 0.7 percent, while margins for trade services for intermediate demand were unchanged. For the 12 months ended in November, the index for services for intermediate demand advanced 8.1 percent.

Product detail: Over a quarter of the November rise in the index for services for intermediate demand can be traced to a 6.1-percent advance in prices for securities brokerage, dealing, investment advice, and related services. The indexes for portfolio management, television advertising time sales, transportation of freight and mail, temporary help services, and fuels and lubricants retailing also increased. In contrast, margins for chemicals and allied products wholesaling fell 1.3 percent. The indexes for arrangement of freight and cargo transportation and for business loans (partial) also declined.

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

Month	Services for intermediate demand				Total, change from 12 months ago (unadj.)
	Total	Trade	Transportation and warehousing	Other	
2020					
Nov.....	0.0	-0.2	-0.2	0.0	1.8
Dec.....	0.7	2.4	-0.3	0.4	2.1
2021					
Jan.....	1.1	1.3	0.5	1.2	3.0
Feb.....	0.3	0.1	1.2	0.1	3.6
Mar.....	0.6	1.2	0.9	0.5	4.3
Apr.....	1.3	2.7	2.3	0.6	7.3
May.....	0.6	2.1	0.9	0.1	8.4
June.....	1.2	2.4	2.0	0.6	9.3
July ¹	0.6	1.1	0.7	0.5	9.5
Aug. ¹	0.1	0.4	0.8	-0.2	8.6
Sept. ¹	0.6	0.4	1.4	0.4	8.1
Oct. ¹	0.1	0.2	1.0	-0.1	7.5
Nov.....	0.6	0.0	0.7	0.8	8.1

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Intermediate Demand by Production Flow

Stage 4 intermediate demand: The index for stage 4 intermediate demand increased 1.0 percent in November, the largest rise since moving up 1.3 percent in June. In November, prices for total goods inputs to stage 4 intermediate demand advanced 1.4 percent, and the index for total services inputs climbed 0.7 percent. (See table D.) Increases in prices for fabricated structural metal products; securities brokerage, dealing, investment advice, and related services; portfolio management; utility natural gas; gasoline; and electric power outweighed decreases in the indexes for furnishings wholesaling, chemicals and allied products wholesaling, and diesel fuel. For the 12 months ended in November, prices for stage 4 intermediate demand rose 12.9 percent, the largest advance since 12-month data were first calculated in November 2010.

Stage 3 intermediate demand: The index for stage 3 intermediate demand moved up 0.6 percent in November after rising 1.1 percent in both October and September. In November, prices for total goods inputs to stage 3 intermediate demand increased 0.7 percent, and the index for total services inputs advanced 0.5 percent. Rising prices for grains, television advertising time sales, jet fuel, asphalt, hot rolled steel sheet and strip, and utility natural gas outweighed declines in the indexes for raw milk, slaughter poultry, and arrangement of freight and cargo transportation. For the 12 months ended in November, prices for stage 3 intermediate demand jumped 20.6 percent.

Stage 2 intermediate demand: The index for stage 2 intermediate demand advanced 2.5 percent in November, the eighth consecutive increase. In November, prices for total goods inputs to stage 2 intermediate demand climbed 4.5 percent, and the index for total services inputs moved up 0.6 percent. Increases in the indexes for natural gas, crude petroleum, industrial chemicals, iron and steel scrap, fuels and lubricants retailing, and utility natural gas outweighed falling prices for liquefied petroleum gas, arrangement of freight and cargo transportation, and primary nonferrous metals. For the 12 months ended in November, prices for stage 2 intermediate demand rose 28.1 percent, the largest advance since 12-month data were first calculated in November 2010.

Stage 1 intermediate demand: Prices for stage 1 intermediate demand moved up 1.5 percent in November, the largest increase since a 1.5-percent advance in June. In November, the index for total goods inputs to stage 1 intermediate demand rose 2.0 percent, and prices for total services inputs climbed 0.9 percent. Advances in prices for utility natural gas; securities brokerage, dealing, investment advice, and related services; industrial chemicals; grains; iron and steel scrap; and guestroom rental outweighed decreasing indexes for diesel fuel; hardware, building materials, and supplies retailing; and building materials, paint, and hardware wholesaling. For the 12 months ended in November, prices for stage 1 intermediate demand jumped 20.8 percent.

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

Month	Stage 4 intermediate demand			Stage 3 intermediate demand			Stage 2 intermediate demand			Stage 1 intermediate demand		
	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs	Total	Goods inputs	Services inputs
2020												
Nov.....	0.2	0.4	0.0	0.7	1.3	0.2	1.8	5.3	-0.4	1.1	2.3	-0.2
Dec.....	0.9	0.7	1.1	1.1	1.7	0.7	1.8	3.9	0.3	2.8	4.2	1.1
2021												
Jan.....	1.4	1.5	1.3	1.8	1.9	1.5	2.6	4.9	0.9	1.7	2.3	1.2
Feb.....	0.8	1.5	0.3	2.2	4.2	0.5	5.4	12.4	0.2	1.6	3.1	0.2
Mar.....	1.4	2.1	0.8	2.4	4.5	0.6	-1.5	-3.9	0.6	2.2	3.7	0.9
Apr.....	1.5	1.7	1.2	3.0	4.9	1.3	0.4	-0.5	1.2	1.7	1.9	1.7
May.....	1.2	2.2	0.5	2.2	3.6	0.9	3.0	6.4	0.2	2.7	4.0	1.3
June.....	1.3	1.5	1.1	1.6	1.7	1.4	2.1	3.1	1.3	1.5	1.6	1.5
July ¹	0.9	0.9	1.0	0.9	1.4	0.5	2.2	4.2	0.5	1.4	2.1	0.8
Aug. ¹	0.5	0.8	0.3	0.9	1.9	-0.1	0.5	0.9	0.2	0.6	1.1	0.0
Sept. ¹	0.5	0.7	0.4	1.1	1.2	1.0	2.2	3.4	0.9	0.3	0.6	0.0
Oct. ¹	0.7	1.3	0.1	1.1	1.8	0.4	3.6	7.5	0.1	1.2	2.5	-0.2
Nov.....	1.0	1.4	0.7	0.6	0.7	0.5	2.5	4.5	0.6	1.5	2.0	0.9

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The Producer Price Index for December 2021 is scheduled to be released on Thursday, January 13, 2022 at 8:30 a.m. (ET).

PPI Publishes Interim Index Values and Publishes All Indexes to 3 Decimal Places

Effective with this report of Producer Price Index (PPI) data, the Bureau of Labor Statistics began publishing *interim index values* for all preliminary PPI data, starting with values for August through October 2021. Within PPI, interim indexes are defined as recalculated indexes for the 3 months between the initial publication and final revision of PPI data. With this modification, data within the 3-month interim revision period is being updated and published on a monthly basis. This replaces the prior policy of only publishing revised data once, when the data were finalized 4 months after original publication. PPI data will continue to be finalized 4 months after initial publication.

The publication of interim index values allows for greater transparency regarding PPI revisions, and aligns PPI official index publication with Bureau of Economic Analysis use of PPI interim index data as an input to Gross Domestic Product calculations.

In addition, effective with the November 2021 data release in December 2021, the PPI began publishing index values to 3 decimal places of precision, starting with finalized data for July 2021. The publication of index levels to 3 decimal places allows data users greater precision in percent change calculations. Published PPI percent change calculations continue to be rounded to one decimal place. The change to 3 decimal precision for indexes applies to all PPI data: Industry, Commodity, FD-ID, and Input indexes.

This change to the level of published precision impacts only the presentation of index numbers. Index values continue to be calculated from underlying price information in the same manner as in the past, and no systematic upward or downward effect on the data has been introduced. With the implementation of this change, official PPI data prior to July 2021 have not been revised to reflect greater precision.

As a result of the publication of interim index values and index data to 3 decimal places of precision, effective with the publication of November 2021 PPI data in December 2021, PPI introduced redesigned publication tables for both the PPI News Release and the PPI Detailed Report. For further information on these publication table changes see: www.bls.gov/ppi/notices/2021/ppi-to-publish-interim-index-values-to-3-decimal-places.htm, or contact the PPI Section of Index Analysis and Public Information at ppi-info@bls.gov or (202) 691-7705.

Recalculated Seasonal Adjustment Factors and Relative Importance Figures to be Available on February 11, 2022

Each year with the release of PPI data for January, seasonal adjustment factors and relative importance figures are recalculated to reflect price movements from the just-completed calendar year. The following seasonal information will be available on February 11, 2022 (2 workdays prior to the release of PPI data for January 2022 on February 15, 2022):

- Direct seasonal factors for PPI commodity indexes for the year 2022,
- Recalculated seasonal factors for the last 5 years (2017-2021) for PPI commodity indexes,
- Recalculated seasonal factors for the last 5 years (2017-2021) for PPI Final Demand-Intermediate Demand indexes,
- Recalculated seasonal index data for the last 5 years (2017-2021) for Final Demand-Intermediate Demand and commodity indexes. This revision to seasonally adjusted indexes for the previous 5 years will be posted to the PPI database on the BLS website.

In addition, the following relative importance tables, which include values for December 2021, will be available on February 11, 2022:

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

This information will be available on the PPI website at www.bls.gov/ppi or by contacting the PPI Section of Index Analysis and Public Information at ppi-info@bls.gov or (202) 691-7705.

Technical Note

Brief Explanation of Producer Price Indexes

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

More than 10,000 PPIs for individual products and groups of products are released each month. PPIs are available for the products of virtually every industry in the mining and manufacturing sectors. Over time, new PPIs have been introduced for products of industries in the services and construction sectors of the U.S. economy. As of January 2018, the PPI covered 71 percent of services as measured by 2012 Census revenue, and 31 percent of construction.

More than 100,000 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 2017, final demand goods were about 33 percent of overall final demand, final demand services were roughly 65.5 percent, and final demand construction was about 1.5 percent of final demand. Within intermediate demand, coverage of services for intermediate demand resulted in about a 45 percent increase in coverage of the intermediate demand portion of the economy.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Comparing the PPI with CPI

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

Commodity Indexes

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

Industry Net-Output Price Indexes

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

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

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

Data Collection

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

Price data are provided on a voluntary and confidential basis; only sworn BLS employees are allowed access to individual company price reports. BLS publishes price indexes instead of 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 and the *PPI Detailed Report* that announces their introduction

Title	Code	<i>PPI Detailed Report Issue</i>
	SIC	
Wireless telecommunications	4812	July 1999
Telephone communications, except radio telephone	4813	July 1995
Television broadcasting	4833	July 2002
Grocery stores	5411	July 2000
Meat and fish (seafood) markets	5421	July 2000
Fruit and vegetable markets	5431	July 2000
Candy, nut, and confectionery stores ...	5441	July 2000
Retail bakeries	5461	July 2000
Miscellaneous food stores	5499	July 2000

Title	Code	PPI Detailed Report Issue
SIC		
New car dealers	5511	July 2000
Gasoline service stations	5541	January 2002
Boat dealers	5551	January 2002
Recreational vehicle dealers	5561	January 2002
Miscellaneous retail	59	January 2001
Security brokers, dealers, and investment bankers	6211	January 2001
Investment advice	6282	January 2003
Life insurance carriers	6311	January 1999
Property and casualty insurance	6331	July 1998
Insurance agencies and brokerages	6412	January 2003
Operators and lessors of nonresidential buildings	6512	January 1996
Real estate agents and managers	6531	January 1996
Prepackaged software	7372	January 1998
Data processing services	7374	January 2002
Home health care services	8082	January 1997
Legal services	8111	January 1997
Engineering design, analysis, and consulting services	8711	January 1997
Architectural design, analysis, and consulting services	8712	January 1997
Premiums for property and casualty insurance	9331	July 1998
NAICS		
New Industrial building construction	236211	January 2008
New warehouse building construction	236221	July 2005
New school construction	236222	July 2006
New office construction	236223	January 2007
New health care building construction...	236224	January 2013
Concrete contractors, nonresidential building work	23811X	July 2008
Roofing contractors, nonresidential building work	23816X	July 2008
Electrical contractors, nonresidential building work	23821X	July 2008
Plumbing / HVAC contractors, nonresidential building work	23822X	July 2008
Merchant wholesalers, durable goods ..	423	July 2005
Merchant wholesalers, nondurable goods	424	July 2005
Electronics and appliance stores	443	January 2004
Building material and garden equipment and supplies dealers.....	444	January 2004
Sporting goods, hobby, book, and music stores	451	January 2004
General merchandise stores	452	January 2004
Miscellaneous store retailers	453	January 2004
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
Construction, mining, and forestry machinery and equipment rental and leasing	532412	January 2005

Title	Code	PPI Detailed Report Issue
NAICS		
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 2012 values of shipments as reported in the *Census of Manufactures* and other sources. From January 2012 to December 2017, PPI weights were derived from 2007 shipment values. Industry indexes now are calculated under the 2017 NAICS structure utilizing 2012 value of shipment weights and 2007 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 <https://www.bls.gov/pub/hom/homch14.htm>.

Calculating Index Changes

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

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

Index point change

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

Index percent change

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

Seasonally Adjusted and Unadjusted Data

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

such as purchasing agreements or real estate leases. For more information, see *Price Adjustment Guide for Contracting Parties*, on the Web at: www.bls.gov/ppi/publications/price-adjustment-guide-for-contracting-parties.htm.

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

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

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

Since January 1988, the PPI has used Intervention Analysis Seasonal Adjustment methods to enhance the calculation of seasonal factors. With this technique, outlier values that may distort the seasonal pattern are removed from the data prior to applying the standard seasonal factor estimation procedure. For example, a possible economic cause for large price movements for petroleum-based products might have been the Persian Gulf War. In this case, intervention techniques allowed for better estimates of seasonally adjusted data. On the whole, very few series have required intervention. Out of almost 400 seasonally adjusted series, only 42 were subject to intervention in 2018.

For more information relating to seasonal adjustment methods, see “Summary of Changes to the PPI’s Seasonal Adjustment Methodology” in the January 1995 issue of *Producer Price Indexes*, and “PPI and CPI Seasonal Adjustment: an Update” in the July 2010 *Monthly Labor Review*.

Producer Price Index Data on the Internet

In 1995, the BLS began posting PPI series, news releases, and technical information to both a World Wide Web (WWW) site and a file transfer protocol (FTP) site. During the years following the introduction of PPI Internet services, use of these sites eclipsed more traditional methods of data dissemination, such as subscriptions to the *PPI Detailed*

Report. There were more than 4 million instances of PPI data and tables being downloaded from the BLS website during the 12 months ended December 31, 2017.

Retrieving PPI data from the PPI Web site

PPI data can be obtained from the WWW address (<https://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 <https://download.bls.gov/> or directly from links on the “PPI Databases” page or the PPI homepage. Data and documentation available for download include the following:

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

Additional information

The PPI homepage (<https://www.bls.gov/ppi>) contains additional information regarding PPI data and methodology. The top section of the homepage provides PPI news releases, both current and archived, as well as general PPI information. The “PPI Tables” section found beneath the statistics 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.

Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted
[November 2021]

Grouping	Commodity code		Relative Importance Dec. 2020 ¹	Unadjusted 12-month percent change ² Nov. 2020 to Nov. 2021 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			June to July	July to Aug. ^P	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P
Final Demand									
Final demand.....	FD	4	100.000	9.6	0.9	0.6	0.6	0.6	0.8
Final demand goods.....	FD	41	32.135	14.9	0.7	0.9	1.1	1.3	1.2
Final demand foods.....	FD	411	5.590	11.6	-1.3	2.1	2.2	-0.3	1.2
Finished consumer foods ³	FD	4111	4.338	10.7	-1.1	1.9	2.6	0.2	1.2
Finished consumer foods, crude.....	FD	41113	0.394	15.8	1.2	3.0	9.9	7.5	10.5
Finished consumer foods, processed.....	FD	41112	3.944	10.1	-1.3	1.8	1.9	-0.6	0.2
Government purchased foods.....	FD	4112	0.396	12.5	-1.8	2.3	2.3	-1.7	0.5
Foods for export.....	FD	4113	0.856	16.0	-2.3	3.1	0.0	-2.2	1.3
Final demand energy.....	FD	412	4.993	43.6	2.4	0.6	2.1	5.3	2.6
Finished consumer energy goods ³	FD	4121	4.040	40.2	2.3	1.1	2.0	4.6	2.7
Government purchased energy.....	FD	4122	0.672	54.1	2.4	-0.7	2.2	7.6	2.2
Energy for export.....	FD	4123	0.281	70.1	3.8	-2.4	2.8	9.0	3.1
Final demand goods less foods and energy.....	FD	413	21.553	9.3	0.8	0.6	0.5	0.6	0.8
Finished goods less foods and energy ³	FD	4131	12.487	5.9	0.7	0.5	0.6	0.4	0.6
Finished consumer goods less foods and energy.....	FD	41311	6.666	5.7	0.6	0.5	0.6	0.4	0.5
Nondurable consumer goods less foods and energy.....	FD	413111	4.216	5.0	0.5	0.5	0.6	0.5	0.6
Durable consumer goods.....	FD	413112	2.450	6.9	0.8	0.7	0.5	0.1	0.5
Private capital equipment.....	FD	41312	5.821	6.1	0.7	0.4	0.6	0.5	0.6
Private capital equipment for manufacturing industries.....	FD	413121	1.267	8.7	1.1	0.5	0.9	0.6	0.6
Private capital equipment for nonmanufacturing industries.....	FD	413122	4.554	5.4	0.6	0.4	0.5	0.4	0.6
Government purchased goods, excluding foods and energy.....	FD	4132	2.276	8.6	0.8	0.6	0.7	0.7	0.7
Government purchased goods excluding foods, energy, and capital equipment.....	FD	41321	1.298	12.8	1.1	0.9	0.5	0.9	0.9
Government purchased capital equipment.....	FD	41322	0.978	3.0	0.3	0.2	0.8	0.3	0.3
Goods for export, excluding foods and energy.....	FD	4133	6.790	16.1	1.0	0.8	0.3	0.9	1.2
Final demand services.....	FD	42	66.160	7.1	1.0	0.5	0.4	0.2	0.7
Final demand trade services ⁴	FD	423	19.686	10.7	1.7	1.1	1.1	0.5	0.6
Trade of finished goods ³	FD	4231	16.883	10.7	1.6	1.0	1.2	0.3	0.7
Trade of personal consumption goods.....	FD	42311	13.869	10.5	1.4	1.0	1.3	-0.1	0.9
Trade of private capital equipment.....	FD	42312	3.014	11.7	2.3	1.3	0.7	2.5	0.0
Trade of government purchased goods.....	FD	4232	0.741	9.7	2.3	1.2	0.7	1.3	-0.3
Trade of government purchased goods, excluding capital equipment.....	FD	42321	0.472	10.7	2.1	0.8	1.0	0.7	-0.3
Trade of government purchased capital equipment.....	FD	42322	0.269	8.0	2.9	1.9	0.1	2.4	-0.4
Trade of exports.....	FD	4233	2.062	11.1	2.4	1.3	0.1	1.2	-0.3
Final demand transportation and warehousing services.....	FD	422	4.137	13.8	2.5	0.9	-1.4	1.1	1.9
Transportation of passengers for final demand.....	FD	4221	1.007	12.0	7.5	1.5	-8.9	-1.4	5.0
Transportation of private passengers.....	FD	42211	0.680	11.9	7.4	1.5	-8.8	-1.4	5.0
Transportation of government passengers.....	FD	42212	0.082	11.7	7.3	1.5	-8.7	-1.4	4.9
Transportation of passengers for export.....	FD	42213	0.245	12.1	7.5	1.5	-9.0	-1.4	5.1
Transportation and warehousing of goods for final demand.....	FD	4222	3.130	14.2	0.9	0.7	1.4	1.9	0.9
Transportation and warehousing of finished goods ³	FD	42221	2.051	14.7	0.9	0.7	1.5	1.9	0.9
Transportation and warehousing of personal consumption goods.....	FD	422211	1.648	14.6	0.9	0.7	1.5	1.9	0.9
Transportation and warehousing of private capital equipment.....	FD	422212	0.403	15.3	0.9	0.8	1.3	2.0	1.0
Transportation and warehousing of government purchased goods.....	FD	42222	0.191	13.1	0.8	0.7	1.7	1.8	0.7
Transportation and warehousing of exports.....	FD	42223	0.888	13.5	0.9	0.6	1.1	1.8	1.0
Final demand services less trade, transportation, and warehousing.....	FD	421	42.337	4.7	0.5	0.2	0.3	-0.1	0.6
Finished services less trade, transportation, and warehousing ³	FD	4211	37.170	4.5	0.5	0.2	0.3	-0.1	0.6
Finished consumer services less trade, transportation, and warehousing.....	FD	42111	33.383	4.4	0.5	0.2	0.2	-0.1	0.6
Private capital investment services less trade, transportation, and warehousing.....	FD	42112	3.787	6.6	0.7	0.6	0.3	0.7	-0.1
Government purchased services less trade, transportation, and warehousing.....	FD	4212	2.615	4.4	0.3	0.2	0.2	0.0	0.6
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....	FD	42121	2.501	4.6	0.2	0.2	0.2	-0.1	0.6
Government purchased capital investment services less trade, transportation, and warehousing.....	FD	42122	0.114	1.5	0.6	0.0	-0.1	1.2	-0.2
Services for export less trade, transportation, and warehousing.....	FD	4213	2.552	7.2	0.6	-0.2	0.4	-0.4	0.9
Final demand construction.....	FD	43	1.705	12.3	1.7	0.3	0.3	6.2	0.3
Construction for private capital investment.....	FD	431	1.100	13.3	1.9	0.3	0.1	7.1	0.3
Construction for government.....	FD	432	0.606	10.4	1.6	0.2	0.7	4.6	0.3
Special Groupings of Final Demand									
Final demand less exports.....	FD	49101	86.326	8.9	0.9	0.6	0.7	0.6	0.8
Final demand less government.....	FD	49102	92.421	9.5	0.9	0.6	0.6	0.6	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
 [November 2021]

Grouping	Commodity code		Relative Importance Dec. 2020 ¹	Unadjusted 12-month percent change ² Nov. 2020 to Nov. 2021 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			June to July	July to Aug. ^P	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy ⁵	FD	49103	88.904	7.9	1.0	0.5	0.4	0.4	0.7
Final demand less foods and energy ⁵	FD	49104	89.417	7.7	0.9	0.5	0.4	0.4	0.7
Final demand less foods and food and nonalcoholic beverages for immediate consumption ⁵	FD	49105	93.897	9.7	1.1	0.5	0.6	0.7	0.9
Final demand less foods ⁵	FD	49106	94.410	9.5	1.0	0.5	0.5	0.7	0.8
Final demand less energy.....	FD	49107	95.007	7.9	0.8	0.6	0.5	0.3	0.7
Final demand less trade services.....	FD	49108	80.314	9.5	0.7	0.5	0.5	0.7	0.9
Final demand less distributive services ⁶	FD	49109	77.184	9.2	0.7	0.5	0.5	0.6	0.9
Final demand goods less energy.....	FD	49111	27.143	9.8	0.4	0.9	0.9	0.4	0.9
Final demand goods less foods.....	FD	49112	26.546	15.6	1.2	0.6	0.9	1.6	1.2
Final demand services less trade services.....	FD	49113	46.474	5.5	0.7	0.3	0.1	0.0	0.7
Final demand distributive services ⁶	FD	49114	22.816	11.2	1.6	1.0	1.1	0.7	0.6
Final demand goods plus final demand distributive services ⁶	FD	49115	54.952	13.4	1.1	0.9	1.1	1.0	1.0
Final demand less foods, energy, and trade services ⁵	FD	49116	69.731	6.9	0.8	0.4	0.2	0.4	0.7
Private and government purchased capital equipment.....	FD	49117	6.799	5.7	0.7	0.4	0.7	0.5	0.5
Private and government purchased capital investment services.....	FD	49118	7.587	9.0	1.4	0.9	0.5	1.6	0.0
Total private and government purchased capital investment.....	FD	49119	14.386	8.0	1.1	0.6	0.6	1.6	0.3
Total finished ³	FD	49201	78.749	8.6	0.9	0.6	0.7	0.5	0.8
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{3, 5}	FD	49202	69.863	6.8	0.9	0.5	0.5	0.3	0.7
Total finished less foods and energy ^{3, 5}	FD	49203	70.371	6.8	0.9	0.5	0.5	0.3	0.7
Total finished less foods and food and nonalcoholic beverages for immediate consumption ⁵	FD	49204	73.903	8.6	1.0	0.5	0.6	0.6	0.8
Total finished less foods ^{3, 5}	FD	49205	74.411	8.6	1.0	0.5	0.6	0.6	0.8
Total finished less energy ³	FD	49206	74.709	7.0	0.8	0.6	0.6	0.3	0.7
Finished goods ³	FD	49207	20.865	13.3	0.7	0.9	1.3	1.3	1.2
Finished goods less energy ³	FD	49208	16.825	7.1	0.2	0.9	1.1	0.4	0.7
Finished goods, excluding foods ^{3, 5}	FD	49209	16.527	14.1	1.1	0.6	1.0	1.6	1.2
Finished services ³	FD	49210	56.784	6.9	0.9	0.5	0.5	0.1	0.7
Private capital investment services.....	FD	49211	7.204	9.2	1.3	0.9	0.6	1.5	0.0
Finished distributive services ^{3, 6}	FD	49212	18.934	11.2	1.5	1.0	1.3	0.5	0.8
Finished services less trade services ³	FD	49213	39.901	5.3	0.6	0.3	0.1	0.0	0.7
Finished services less distributive services ^{3, 6}	FD	49214	37.850	4.7	0.6	0.3	0.1	-0.1	0.6
Total private capital investment (goods, services, and construction).....	FD	49215	14.125	8.3	1.1	0.7	0.6	1.5	0.3
Finished goods plus finished distributive services ^{3, 6}	FD	49216	39.799	12.3	1.1	1.0	1.3	0.9	1.0
Total exports.....	FD	49301	13.674	14.4	1.1	0.8	0.2	0.7	1.0
Goods for export.....	FD	49302	7.927	17.7	0.8	0.9	0.4	0.9	1.3
Services for export.....	FD	49303	5.747	9.8	1.6	0.6	0.0	0.5	0.7
Total government purchases.....	FD	49401	7.579	11.5	0.9	0.5	0.7	1.4	0.7
Government purchased goods.....	FD	49402	3.344	17.8	0.8	0.5	1.2	2.0	1.0
Government purchased services.....	FD	49403	3.629	6.1	0.9	0.5	0.2	0.3	0.5
Total government purchased capital investment (goods, services, construction).....	FD	49404	1.967	5.8	1.0	0.4	0.6	2.0	0.2
Personal consumption.....	FD	49501	64.624	8.8	0.8	0.6	0.7	0.3	0.9
Personal consumption goods (finished consumer goods).....	FD	49502	15.044	16.2	0.6	1.1	1.6	1.6	1.4
Personal consumption goods less energy.....	FD	49503	11.004	7.7	-0.1	1.1	1.4	0.3	0.8
Personal consumption goods less foods.....	FD	49504	10.706	18.5	1.3	0.8	1.2	2.2	1.5
Personal consumption nondurable goods less foods.....	FD	49508	8.256	21.9	1.5	0.8	1.4	2.8	1.7
Personal consumption services.....	FD	49505	49.580	6.5	0.9	0.5	0.5	-0.1	0.8
Personal consumption less trade services.....	FD	49506	50.755	8.3	0.7	0.5	0.6	0.5	0.9
Personal consumption less distributive services ⁶	FD	49507	49.107	8.1	0.6	0.5	0.5	0.4	0.9
Personal consumption less foods and energy.....	FD	49510	56.246	6.4	0.8	0.5	0.5	0.0	0.8
Personal consumption less foods, energy, and trade services ⁴	FD	49511	42.377	5.1	0.6	0.3	0.2	0.0	0.7
Personal consumption less foods, energy, and distributive services ⁶	FD	49512	40.729	4.7	0.6	0.3	0.1	-0.1	0.7
Personal consumption goods plus personal consumption distributive services ⁶	FD	49509	30.561	13.5	1.0	1.0	1.5	0.8	1.2
Intermediate Demand by Commodity Type									
Processed goods									
Processed goods for intermediate demand.....	ID6	1	100.000	26.5	1.6	0.9	1.1	2.4	1.5
Materials and components for manufacturing.....	ID6	11	44.783	29.5	1.5	1.6	1.0	1.6	1.1
Materials for manufacturing.....	ID6	111	27.352	42.0	1.7	2.0	1.1	1.8	1.3
Materials for food manufacturing.....	ID6	1111	4.375	15.5	-1.2	2.0	1.9	-0.5	0.0
Materials for nondurable manufacturing.....	ID6	1112	12.322	36.2	1.3	2.2	-0.4	1.5	1.4
Materials for durable manufacturing.....	ID6	1113	10.655	59.8	3.2	1.7	2.4	2.9	1.6
Components for manufacturing.....	ID6	112	17.431	10.2	1.1	1.0	0.9	1.2	0.7
Components for nondurable manufacturing.....	ID6	1121	0.832	19.5	1.3	1.1	1.4	2.4	1.7
Components for durable manufacturing.....	ID6	1122	16.599	9.7	1.1	1.0	0.9	1.1	0.7

See footnotes at end of table.

Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued
[November 2021]

Grouping	Commodity code		Relative Importance Dec. 2020 ¹	Unadjusted 12-month percent change ² Nov. 2020 to Nov. 2021 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			June to July	July to Aug. ^P	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P
Materials and components for construction.....	ID6	12	9.205	21.0	0.2	0.0	0.4	1.5	1.6
Materials for construction.....	ID6	121	4.165	13.5	-2.7	-3.1	-0.9	1.1	1.2
Components for construction.....	ID6	122	5.040	27.1	2.7	2.4	1.4	1.8	1.9
Processed fuels and lubricants for intermediate demand.....	ID6	13	17.430	43.8	3.5	-0.6	2.1	7.2	3.6
Processed fuels and lubricants to manufacturing industries.....	ID6	131	4.591	33.0	1.9	-0.4	1.5	5.2	0.9
Processed fuels and lubricants to nonmanufacturing industries.....	ID6	132	12.839	47.6	4.0	-0.7	2.3	7.9	4.5
Containers for intermediate demand.....	ID6	14	2.963	16.2	2.3	1.1	1.1	2.5	0.9
Supplies for intermediate demand.....	ID6	15	25.620	13.0	0.7	0.9	0.8	0.7	0.7
Supplies to manufacturing industries.....	ID6	151	3.461	16.2	1.2	1.4	1.0	1.5	0.9
Supplies to nonmanufacturing industries.....	ID6	152	22.159	12.5	0.6	0.8	0.8	0.5	0.7
Supplies to nonmanufacturing industries, feeds.....	ID6	1521	1.941	11.8	0.1	0.1	0.8	-2.6	-0.6
Supplies to nonmanufacturing industries, other than feeds.....	ID6	1522	20.218	12.6	0.7	0.9	0.8	0.9	0.8
Unprocessed goods									
Unprocessed goods for intermediate demand.....	ID6	2	100.000	52.5	2.9	1.8	2.7	5.5	4.8
Unprocessed foodstuffs and feedstuffs.....	ID6	21	38.418	14.9	-1.9	4.0	0.9	-3.2	-0.7
Unprocessed nonfood materials.....	ID6	22	61.583	77.2	5.6	0.6	3.7	9.9	7.1
Unprocessed nonfood materials except fuel.....	ID6	221	44.198	60.3	1.6	-2.3	0.4	5.2	4.1
Unprocessed nonfood materials except fuel to manufacturing industries.....	ID6	2211	41.651	63.9	1.7	-2.4	0.4	5.5	4.3
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	ID6	2212	2.547	4.3	0.4	0.5	0.4	0.1	0.8
Unprocessed fuel.....	ID6	222	17.385	117.8	18.0	8.1	11.3	19.7	12.7
Unprocessed fuel to manufacturing industries.....	ID6	2221	1.258	35.2	5.9	2.6	5.5	5.5	5.9
Unprocessed fuel to nonmanufacturing industries.....	ID6	2222	16.127	124.4	18.9	8.5	11.7	20.6	13.1
Services									
Services for intermediate demand.....	ID6	3	100.000	8.1	0.6	0.1	0.6	0.1	0.6
Trade services for intermediate demand ⁴	ID6	33	21.305	15.4	1.1	0.4	0.4	0.2	0.0
Trade services for manufacturing industries.....	ID6	331	10.811	17.8	2.5	1.2	0.4	0.4	-0.1
Trade services for nonmanufacturing industries.....	ID6	332	10.494	13.1	-0.3	-0.5	0.5	0.0	0.0
Transportation and warehousing services for intermediate demand.....	ID6	32	12.368	13.0	0.7	0.8	1.4	1.0	0.7
Transportation of passengers for intermediate demand.....	ID6	321	0.878	11.8	7.3	1.5	-8.7	-1.4	4.9
Transportation of passengers for manufacturing industries.....	ID6	3211	0.103	12.1	7.5	1.5	-9.0	-1.4	5.1
Transportation of passengers for nonmanufacturing industries.....	ID6	3212	0.775	11.7	7.2	1.5	-8.7	-1.4	4.9
Transportation and warehousing of goods for intermediate demand.....	ID6	322	11.490	13.1	0.2	0.7	2.3	1.2	0.4
Transportation and warehousing of goods for manufacturing industries.....	ID6	3221	2.395	12.0	0.6	0.6	1.0	1.6	0.8
Transportation and warehousing of goods for nonmanufacturing industries.....	ID6	3222	9.095	13.5	0.1	0.8	2.6	1.0	0.2
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	66.328	5.1	0.5	-0.2	0.4	-0.1	0.8
Services less trade, transportation, and warehousing for manufacturing industries.....	ID6	311	2.090	5.8	0.3	0.2	0.3	1.1	0.4
Services less trade, transportation, and warehousing for nonmanufacturing industries.....	ID6	312	64.238	5.0	0.5	-0.2	0.4	-0.1	0.9
Construction									
Construction for intermediate demand.....	ID6	4	100.000	10.1	1.0	0.4	2.7	0.7	0.8
Special Groupings of Intermediate Demand by Commodity Type									
Processed materials less foods and feeds.....	ID6	9111	91.383	27.7	1.8	0.8	1.1	2.8	1.7
Processed foods and feeds.....	ID6	9112	8.617	13.0	-1.0	1.5	1.7	-1.1	-0.2
Processed energy goods.....	ID6	9113	17.430	43.7	3.4	-0.6	2.1	7.2	3.6
Processed materials less energy.....	ID6	9118	82.570	22.9	1.2	1.2	0.9	1.4	1.0
Processed materials less foods and energy.....	ID6	9115	73.953	24.1	1.4	1.2	0.8	1.6	1.2
Intermediate distributive services ⁷	ID6	9116	32.795	14.6	0.8	0.5	1.1	0.6	0.1
Processed goods plus intermediate distributive services.....	ID6	9117	-	22.8	1.3	0.8	1.1	1.9	1.1
Unprocessed materials less agricultural products.....	ID6	9211	56.729	81.0	6.7	0.3	5.0	11.1	7.3
Unprocessed energy materials ⁸	ID6	9212	34.024	113.7	9.7	0.2	7.9	17.2	8.7
Unprocessed materials less energy.....	ID6	9213	65.976	21.8	-0.9	3.0	-0.4	-2.3	1.4
Unprocessed nonfood materials less energy ⁹	ID6	9216	27.558	32.4	0.5	1.5	-2.3	-1.6	4.5
Intermediate Demand by Production Flow									
Stage 4 Intermediate Demand									
Stage 4 intermediate demand.....	ID5	4	100.000	12.9	0.9	0.5	0.5	0.7	1.0
Inputs to stage 4 goods producers.....	ID5	41	31.937	16.1	1.5	1.2	0.5	1.1	0.9
Goods.....	ID5	411	22.264	17.1	1.2	1.5	0.6	1.2	1.2
Foods.....	ID5	4111	2.970	19.0	-0.8	3.2	-1.5	-0.9	2.5
Energy.....	ID5	4112	0.161	28.5	1.5	-2.9	2.2	4.7	2.7

See footnotes at end of table.

Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued
[November 2021]

Grouping	Commodity code		Relative Importance Dec. 2020 ¹	Unadjusted 12-month percent change ² Nov. 2020 to Nov. 2021 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			June to July	July to Aug. ^P	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P
Goods excluding foods and energy.....	ID5	4113	19.133	16.6	1.5	1.2	1.0	1.5	0.9
Services.....	ID5	412	9.673	14.3	2.3	0.6	0.2	1.1	0.2
Trade services.....	ID5	4123	7.630	16.1	2.8	0.7	0.2	1.1	0.1
Transportation and warehousing services.....	ID5	4122	0.477	9.3	1.5	0.8	-0.6	0.9	1.4
Transportation of passengers.....	ID5	41221	0.061	12.1	7.5	1.5	-9.0	-1.4	5.1
Transportation and warehousing of goods.....	ID5	41222	0.416	10.2	0.6	0.6	0.8	1.3	0.8
Services less trade, transportation, and warehousing.....	ID5	4121	1.566	6.4	0.2	0.0	0.2	1.0	0.3
Inputs to stage 4 services producers.....	ID5	42	54.335	8.7	0.7	0.3	0.6	0.2	1.0
Goods.....	ID5	421	13.790	13.0	0.7	0.7	0.9	1.1	1.3
Foods.....	ID5	4211	2.286	11.9	-1.9	2.0	2.3	-1.8	-0.3
Energy.....	ID5	4212	3.602	21.9	1.9	0.0	1.0	3.4	3.4
Goods excluding foods and energy.....	ID5	4213	7.902	10.0	0.8	0.6	0.4	0.8	0.8
Services.....	ID5	422	40.456	7.1	0.7	0.2	0.5	-0.2	0.9
Trade services.....	ID5	4223	4.563	10.7	1.6	0.8	0.5	1.0	-0.2
Transportation and warehousing services.....	ID5	4222	3.239	10.8	1.2	1.1	1.2	1.1	0.5
Transportation of passengers.....	ID5	42221	0.389	11.9	7.4	1.5	-8.9	-1.4	5.0
Transportation and warehousing of goods.....	ID5	42222	2.850	10.6	0.3	1.0	2.8	1.4	-0.1
Services less trade, transportation, and warehousing.....	ID5	4221	32.654	6.3	0.6	0.0	0.4	-0.5	1.1
Construction.....	ID5	423	0.089	10.1	1.0	0.4	2.7	0.7	0.8
Inputs to stage 4 construction producers.....	ID5	43	13.727	21.4	0.5	-0.2	0.5	1.4	1.4
Goods.....	ID5	431	9.555	24.6	0.6	-0.4	0.6	1.8	2.0
Energy.....	ID5	4312	0.596	89.6	3.5	-0.4	2.9	7.9	5.2
Goods excluding foods and energy.....	ID5	4313	8.959	20.0	0.3	-0.4	0.4	1.3	1.7
Services.....	ID5	432	4.172	14.0	0.5	0.2	0.3	0.4	-0.1
Trade services.....	ID5	4323	1.945	22.8	0.6	0.1	0.2	-0.1	-0.6
Transportation and warehousing services.....	ID5	4322	0.596	14.1	1.0	0.8	1.0	1.7	1.0
Transportation of passengers.....	ID5	43221	0.012	12.8	7.5	1.5	-9.0	-1.4	5.1
Transportation and warehousing of goods.....	ID5	43222	0.584	14.2	0.9	0.8	1.2	1.8	1.0
Services less trade, transportation, and warehousing.....	ID5	4321	1.631	3.3	0.1	0.0	0.1	0.5	0.2
Stage 3 Intermediate Demand									
Stage 3 intermediate demand.....	ID5	3	100.000	20.6	0.9	0.9	1.1	1.1	0.6
Inputs to stage 3 goods producers.....	ID5	31	46.783	28.2	1.3	2.2	1.0	0.6	0.4
Goods.....	ID5	311	36.932	30.7	1.2	2.4	1.1	0.7	0.5
Foods.....	ID5	3111	11.807	11.6	-1.8	3.7	0.9	-3.3	-2.5
Energy.....	ID5	3112	1.229	58.4	1.8	-1.5	2.8	6.5	7.9
Goods excluding foods and energy.....	ID5	3113	23.896	38.7	2.6	2.1	1.1	2.2	1.3
Services.....	ID5	312	9.851	18.6	2.0	1.4	0.6	0.4	0.1
Trade services.....	ID5	3123	5.778	23.1	2.7	1.9	0.7	-0.3	-0.4
Transportation and warehousing services.....	ID5	3122	2.630	13.2	1.2	0.7	0.6	1.6	1.0
Transportation of passengers.....	ID5	31221	0.117	13.2	7.6	1.5	-9.0	-1.4	5.1
Transportation and warehousing of goods.....	ID5	31222	2.513	13.1	0.9	0.7	1.1	1.7	0.8
Services less trade, transportation, and warehousing.....	ID5	3121	1.443	5.5	0.5	0.2	0.2	1.4	0.4
Inputs to stage 3 services producers.....	ID5	32	51.802	13.7	0.7	-0.3	1.3	1.6	0.8
Goods.....	ID5	321	9.293	45.1	2.4	-0.2	1.5	6.5	1.5
Foods.....	ID5	3211	0.097	-2.0	0.2	0.0	1.7	0.1	0.9
Energy.....	ID5	3212	4.955	72.3	3.6	-1.0	2.4	10.1	1.7
Goods excluding foods and energy.....	ID5	3213	4.241	14.0	0.8	0.9	0.3	1.2	1.1
Services.....	ID5	322	41.514	7.2	0.3	-0.3	1.2	0.4	0.6
Trade services.....	ID5	3223	2.761	13.1	2.1	0.5	2.0	-0.5	-0.2
Transportation and warehousing services.....	ID5	3222	9.008	14.3	-0.2	0.7	2.9	0.6	0.2
Transportation of passengers.....	ID5	32221	0.025	-0.9	0.1	0.2	0.6	-0.9	0.0
Transportation and warehousing of goods.....	ID5	32222	8.983	14.3	-0.2	0.7	2.9	0.6	0.2
Services less trade, transportation, and warehousing.....	ID5	3221	29.745	4.3	0.2	-0.7	0.5	0.4	0.8
Construction.....	ID5	323	0.995	10.1	1.0	0.4	2.7	0.7	0.8
Inputs to stage 3 construction producers.....	ID5	33	1.416	21.8	-4.0	-3.6	-1.0	0.7	0.1
Goods.....	ID5	331	0.560	27.3	-1.2	-2.5	-0.3	1.8	1.5
Goods excluding foods and energy.....	ID5	3313	0.560	20.1	-1.2	-2.5	-0.3	1.8	1.5
Services.....	ID5	332	0.856	14.3	-5.7	-4.3	-1.4	0.0	-0.8
Trade services.....	ID5	3323	0.810	14.8	-6.0	-4.6	-1.5	-0.1	-0.8
Transportation and warehousing services.....	ID5	3322	0.016	4.1	0.5	0.3	0.8	1.3	0.7
Transportation and warehousing of goods.....	ID5	33222	0.016	-	0.6	0.3	0.8	1.3	0.7
Services less trade, transportation, and warehousing.....	ID5	3321	0.030	7.3	0.8	0.4	0.4	2.2	0.5
Stage 2 Intermediate Demand									
Stage 2 intermediate demand.....	ID5	2	100.000	28.1	2.2	0.5	2.2	3.6	2.5
Inputs to stage 2 goods producers.....	ID5	21	50.197	48.1	3.6	0.9	3.1	6.6	3.9

See footnotes at end of table.

Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued
[November 2021]

Grouping	Commodity code		Relative Importance Dec. 2020 ¹	Unadjusted 12-month percent change ² Nov. 2020 to Nov. 2021 ^P	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			June to July	July to Aug. ^P	Aug. to Sept. ^P	Sept. to Oct. ^P	Oct. to Nov. ^P
Goods.....	ID5	211	36.665	62.5	4.5	0.9	3.8	8.2	4.8
Foods.....	ID5	2111	3.401	13.4	-1.9	0.8	-0.8	-3.7	-0.9
Energy.....	ID5	2112	14.616	116.3	9.9	0.3	8.3	17.1	8.0
Goods excluding foods and energy.....	ID5	2113	18.648	31.6	1.0	1.5	0.3	1.5	2.0
Services.....	ID5	212	13.012	7.9	0.4	0.8	0.7	0.8	0.4
Trade services.....	ID5	2123	5.888	10.5	0.5	1.7	0.9	0.7	0.2
Transportation and warehousing services.....	ID5	2122	3.711	7.4	0.2	0.4	0.3	1.0	0.6
Transportation of passengers.....	ID5	21221	0.157	11.4	7.0	1.4	-8.3	-1.4	4.7
Transportation and warehousing of goods.....	ID5	21222	3.554	7.3	0.0	0.4	0.8	1.1	0.4
Services less trade, transportation, and warehousing.....	ID5	2121	3.413	6.0	0.6	-0.2	0.7	0.8	0.4
Construction.....	ID5	213	0.520	10.1	1.0	0.4	2.7	0.7	0.8
Inputs to stage 2 services producers.....	ID5	22	49.801	9.2	0.7	0.2	1.1	0.1	0.8
Goods.....	ID5	221	5.802	21.2	1.6	1.0	0.9	1.8	1.7
Foods.....	ID5	2211	0.033	16.2	0.1	-0.2	0.2	-0.6	0.4
Energy.....	ID5	2212	0.306	77.9	8.4	-1.0	3.1	12.7	10.5
Goods excluding foods and energy.....	ID5	2213	5.463	18.1	1.2	1.1	0.8	1.1	1.0
Services.....	ID5	222	42.261	7.6	0.5	0.0	1.0	-0.2	0.7
Trade services.....	ID5	2223	2.599	11.2	2.6	1.5	2.2	-2.4	2.8
Transportation and warehousing services.....	ID5	2222	2.809	27.7	0.0	1.5	3.1	0.1	0.2
Transportation of passengers.....	ID5	22221	0.356	12.0	7.4	1.5	-8.9	-1.4	5.0
Transportation and warehousing of goods.....	ID5	22222	2.453	30.0	-1.0	1.5	4.8	0.3	-0.4
Services less trade, transportation, and warehousing.....	ID5	2221	36.853	5.8	0.5	-0.2	0.7	0.0	0.6
Construction.....	ID5	223	1.738	10.1	1.0	0.4	2.7	0.7	0.8
Stage 1 Intermediate Demand									
Stage 1 intermediate demand.....	ID5	1	100.000	20.8	1.4	0.6	0.3	1.2	1.5
Inputs to stage 1 goods producers.....	ID5	11	32.075	35.3	2.3	1.8	0.2	1.6	2.2
Goods.....	ID5	111	22.378	43.5	2.6	1.9	0.2	2.2	3.0
Foods.....	ID5	1111	2.960	24.6	-1.7	3.7	-3.7	-3.1	2.6
Energy.....	ID5	1112	3.186	48.1	5.6	-1.4	2.2	8.9	7.9
Goods excluding foods and energy.....	ID5	1113	16.232	45.7	2.9	2.2	0.6	1.9	2.1
Services.....	ID5	112	9.696	16.2	1.7	1.6	0.1	0.0	0.1
Trade services.....	ID5	1123	6.079	21.3	2.5	2.3	0.0	-0.2	-0.3
Transportation and warehousing services.....	ID5	1122	0.505	11.3	1.4	0.3	-0.5	2.0	1.3
Transportation of passengers.....	ID5	11221	0.082	12.1	7.5	1.5	-9.0	-1.4	5.1
Transportation and warehousing of goods.....	ID5	11222	0.423	11.0	0.1	0.0	1.4	2.7	0.6
Services less trade, transportation, and warehousing.....	ID5	1121	3.112	5.8	-0.1	0.2	0.3	0.2	0.7
Construction.....	ID5	113	0.001	10.1	1.0	0.4	2.7	0.7	0.8
Inputs to stage 1 services producers.....	ID5	12	55.036	12.1	1.4	0.1	0.4	0.8	1.2
Goods.....	ID5	121	17.049	23.6	1.7	0.4	1.1	3.2	1.1
Foods.....	ID5	1211	0.055	9.2	-0.2	0.4	2.0	0.9	2.0
Energy.....	ID5	1212	5.079	48.0	2.8	-0.9	1.6	7.5	1.4
Goods excluding foods and energy.....	ID5	1213	11.915	11.8	1.1	1.0	0.8	1.1	0.9
Services.....	ID5	122	37.982	7.1	1.3	0.0	0.1	-0.3	1.3
Trade services.....	ID5	1223	3.936	13.9	2.1	0.3	1.2	-0.1	0.5
Transportation and warehousing services.....	ID5	1222	3.705	9.8	2.7	0.8	-1.0	0.7	1.9
Transportation of passengers.....	ID5	12221	1.061	12.1	7.5	1.5	-9.0	-1.4	5.1
Transportation and warehousing of goods.....	ID5	12222	2.644	10.8	0.5	0.5	2.8	1.5	0.6
Services less trade, transportation, and warehousing.....	ID5	1221	30.341	5.6	0.9	-0.1	0.0	-0.5	1.3
Construction.....	ID5	123	0.005	10.1	1.0	0.4	2.7	0.7	0.8
Inputs to stage 1 construction producers.....	ID5	13	12.890	19.2	-0.7	-1.0	0.1	1.4	0.4
Goods.....	ID5	131	8.268	21.3	1.3	0.2	0.7	2.3	0.8
Energy.....	ID5	1312	0.641	72.4	3.0	-1.5	2.2	11.7	-2.0
Goods excluding foods and energy.....	ID5	1313	7.627	17.2	1.2	0.4	0.5	1.3	1.1
Services.....	ID5	132	4.622	15.4	-4.0	-3.2	-0.8	-0.1	-0.3
Trade services.....	ID5	1323	3.948	15.7	-4.8	-3.7	-1.2	-0.5	-0.6
Transportation and warehousing services.....	ID5	1322	0.610	14.0	0.9	0.8	1.4	2.1	1.0
Transportation and warehousing of goods.....	ID5	13222	0.610	15.1	1.0	0.8	1.4	2.1	1.0
Services less trade, transportation, and warehousing.....	ID5	1321	0.064	3.2	0.4	0.1	0.1	0.5	0.0
Special Groupings of Intermediate Demand by Production Flow									
Total goods inputs to stage 4 intermediate demand.....	ID5	9411	45.609	17.5	0.9	0.8	0.7	1.3	1.4
Total services inputs to stage 4 intermediate demand.....	ID5	9412	54.301	8.9	1.0	0.3	0.4	0.1	0.7
Total construction inputs to stage 4 intermediate demand.....	ID5	9413	0.089	10.2	1.1	0.4	2.7	0.7	0.8
Total foods inputs to stage 4 intermediate demand.....	ID5	9414	5.256	15.7	-1.3	2.7	0.1	-1.3	1.3
Total energy goods inputs to stage 4 intermediate demand.....	ID5	9415	4.359	32.5	2.2	-0.2	1.4	4.3	3.7
Total goods less foods and energy inputs to stage 4 intermediate demand.....	ID5	9416	35.994	16.1	1.0	0.7	0.7	1.3	1.1

See footnotes at end of table.

Table 1. Producer price index percentage changes and weights for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued
[November 2021]

Grouping	Commodity code		Relative Importance Dec. 2020 ¹	Unadjusted 12-month percent change ² Nov. 2020 to Nov. 2021 ^p	Seasonally adjusted 1-month percent change ²				
	Group code	Item code			June to July	July to Aug. ^p	Aug. to Sept. ^p	Sept. to Oct. ^p	Oct. to Nov. ^p
Total goods inputs to stage 3 intermediate demand.....	ID5	9311	46.785	33.6	1.4	1.9	1.2	1.8	0.7
Total services inputs to stage 3 intermediate demand.....	ID5	9312	52.221	9.4	0.5	-0.1	1.0	0.4	0.5
Total construction inputs to stage 3 intermediate demand.....	ID5	9313	0.995	10.2	1.1	0.4	2.7	0.7	0.8
Total foods inputs to stage 3 intermediate demand.....	ID5	9314	11.904	11.5	-1.8	3.6	1.0	-3.2	-2.5
Total energy goods inputs to stage 3 intermediate demand.....	ID5	9315	6.184	69.5	3.1	-1.1	2.5	9.4	2.9
Total goods less foods and energy inputs to stage 3 intermediate demand.....	ID5	9316	28.697	34.6	2.3	1.8	1.0	2.1	1.3
Total goods inputs to stage 2 intermediate demand.....	ID5	9211	42.467	57.3	4.2	0.9	3.4	7.5	4.5
Total services inputs to stage 2 intermediate demand.....	ID5	9212	55.273	7.7	0.5	0.2	0.9	0.1	0.6
Total construction inputs to stage 2 intermediate demand.....	ID5	9213	2.258	10.2	1.1	0.4	2.7	0.7	0.8
Total foods inputs to stage 2 intermediate demand.....	ID5	9214	3.434	13.4	-1.9	0.8	-0.7	-3.6	-0.8
Total energy goods inputs to stage 2 intermediate demand.....	ID5	9215	14.922	115.6	9.8	0.3	8.2	17.0	8.1
Total goods less foods and energy inputs to stage 2 intermediate demand.....	ID5	9216	24.111	28.7	1.0	1.4	0.4	1.4	1.8
Total goods inputs to stage 1 intermediate demand.....	ID5	9111	47.695	33.2	2.1	1.1	0.6	2.5	2.0
Total services inputs to stage 1 intermediate demand.....	ID5	9112	52.300	9.6	0.8	0.0	0.0	-0.2	0.9
Total construction inputs to stage 1 intermediate demand.....	ID5	9117	0.006	10.2	1.1	0.4	2.7	0.7	0.8
Total foods inputs to stage 1 intermediate demand.....	ID5	9114	3.015	24.3	-1.6	3.7	-3.7	-3.0	2.6
Total energy goods inputs to stage 1 intermediate demand.....	ID5	9115	8.906	49.6	3.7	-1.1	1.8	8.3	3.4
Total goods less foods and energy inputs to stage 1 intermediate demand.....	ID5	9116	35.774	29.4	2.0	1.5	0.7	1.5	1.6

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

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

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

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

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

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

⁷ Includes intermediate trade, transportation, and warehousing services.

⁸ Includes crude petroleum.

⁹ Excludes crude petroleum.

p Preliminary

"-" Data not available.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted
[November 2021]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Nov. 2020 to Nov. 2021 ^P	June to July	July to Aug. ^P	Aug. to Sept. ^P	Sept. to Oct. ^P
Final Demand								
Final demand.....	FD	4	9.6	0.9	0.6	0.6	0.6	0.8
Final demand goods.....	FD	41	14.9	0.7	0.9	1.1	1.3	1.2
Final demand foods.....	FD	411	11.6	-1.3	2.1	2.2	-0.3	1.2
Fresh fruits and melons ²	01	11	24.3	-4.3	-0.3	-0.3	0.1	20.1
Fresh and dry vegetables ²	01	13	12.2	-2.7	13.2	19.8	17.2	11.5
Grains.....	01	2	38.4	-3.2	6.5	-9.7	-4.7	6.3
Eggs for fresh use ²	01	7107	-6.9	18.4	-0.5	21.2	-12.1	-5.5
Oilseeds.....	01	8301	8.0	-5.1	2.7	-3.1	-6.5	-1.8
Bakery products ²	02	11	4.8	0.2	0.3	1.0	0.2	1.2
Milled rice ²	02	13	6.0	0.7	1.4	1.3	0.9	0.7
Pasta products ²	02	1402	3.5	-1.3	1.6	0.5	0.6	2.1
Beef and veal.....	02	2101	40.6	-7.5	9.5	8.4	-12.4	1.6
Pork.....	02	2104	9.1	-5.6	2.8	0.0	-1.7	-0.9
Processed young chickens.....	02	2203	26.6	-1.3	3.0	6.7	-1.5	-3.8
Processed turkeys.....	02	2206	43.4	3.2	4.5	1.1	-0.6	1.9
Finfish and shellfish.....	02	23	16.8	6.5	-0.7	0.7	3.9	1.0
Dairy products.....	02	3	0.6	-0.3	-1.4	0.2	1.2	0.5
Processed fruits and vegetables ²	02	4	3.4	0.4	0.7	1.0	0.7	-0.2
Confectionery end products ²	02	55	4.6	0.4	0.9	0.8	0.6	1.1
Soft drinks ²	02	62	7.8	0.3	0.6	3.1	1.1	0.5
Roasted coffee ²	02	6301	1.8	-0.5	-0.3	0.4	0.3	0.5
Shortening and cooking oils ²	02	78	43.6	2.2	0.6	-0.7	4.3	0.8
Frozen specialty food ²	02	85	3.2	-0.6	2.3	-0.5	0.3	0.3
Final demand energy.....	FD	412	43.6	2.4	0.6	2.1	5.3	2.6
Liquefied petroleum gas ²	05	32	153.1	11.6	2.2	15.4	13.4	-5.8
Residential electric power.....	05	41	5.1	0.0	1.1	0.0	0.5	0.1
Residential natural gas.....	05	51	26.2	0.1	5.0	2.2	3.5	2.0
Gasoline.....	05	71	102.2	4.8	0.1	3.1	7.4	7.3
Home heating oil and distillates.....	05	7302	108.6	7.2	-4.2	4.0	12.6	-0.7
No. 2 diesel fuel.....	05	7303	81.0	2.4	-1.0	1.8	14.4	-2.6
Final demand goods less foods and energy.....	FD	413	9.3	0.8	0.6	0.5	0.6	0.8
Alcoholic beverages.....	02	61	-0.7	0.1	0.3	-0.2	0.9	0.0
Pet food ²	02	9402	7.0	3.6	1.3	0.2	0.1	0.2
Women's, girls', and infants' apparel ²	03	8106	1.9	0.7	0.1	0.0	0.5	0.7
Men's and boys' apparel ²	03	8107	2.2	0.0	0.5	0.4	0.0	0.2
Textile housefurnishings ²	03	82	4.0	1.6	2.8	-0.1	1.3	0.5
Footwear.....	04	3	5.7	-0.1	0.2	0.1	0.3	2.6
Industrial chemicals.....	06	1	47.9	1.3	3.6	-0.9	2.0	2.5
Pharmaceutical preparations.....	06	38	1.3	-0.4	0.3	0.3	0.2	0.2
Soaps and detergents ²	06	71	5.0	1.4	1.4	0.2	0.4	0.0
Cleaning and polishing products ²	06	72	4.2	0.6	0.3	0.5	0.1	1.6
Cosmetics and other toiletries ²	06	75	1.3	0.0	0.1	0.2	0.2	0.0
Tires ²	07	1201	7.7	2.9	0.4	0.3	0.1	0.9
Consumer, institutional, and commercial products, n.e.c. ²	07	2B	21.7	1.1	1.2	2.9	0.9	3.7
Sanitary paper products ²	09	1501	3.7	0.3	0.5	1.4	-0.2	0.8
Iron and steel scrap ²	10	12	78.1	2.0	-1.7	-4.5	-0.6	10.7
Agricultural machinery and equipment.....	11	1	11.0	0.8	1.6	1.6	1.6	0.4
Construction machinery and equipment ²	11	2	9.1	0.3	0.5	0.4	3.0	0.3
Metal cutting machine tools ²	11	37	3.6	0.4	0.3	0.1	0.7	0.0
Metal forming machine tools.....	11	38	2.3	0.4	0.1	0.4	-0.1	0.4
Tools, dies, jigs, fixtures, and industrial molds ²	11	39	5.8	0.2	0.5	0.1	1.3	0.4
Pumps, compressors, and equipment.....	11	41	7.2	1.6	0.3	1.1	0.2	0.3
Industrial material handling equipment ²	11	44	13.3	1.2	1.3	1.7	1.2	1.6
Electronic computers and computer equipment ²	11	5	2.2	0.5	0.5	-0.2	0.6	0.4
Textile machinery and equipment ²	11	62	0.8	0.0	0.4	0.0	0.0	0.0
Paper industries machinery ²	11	64	4.0	0.6	0.7	0.8	0.1	0.3
Printing trades machinery and equipment ²	11	65	3.9	0.4	1.7	-0.1	0.2	1.1
Transformers and power regulators ²	11	74	33.5	0.5	0.1	3.1	3.0	5.5
Communication and related equipment.....	11	76	3.6	0.4	0.2	1.9	0.8	0.2
Electronic components and accessories.....	11	78	2.6	-0.1	0.3	0.1	0.5	0.4
X-ray and electromedical equipment ²	11	7905	0.0	0.0	0.0	0.0	0.0	0.0
Oil field and gas field machinery ²	11	91	3.0	0.5	0.2	0.0	0.6	0.3
Mining machinery and equipment ²	11	92	14.2	4.6	0.8	0.2	0.2	5.8
Office and store machines and equipment ²	11	93	0.9	0.0	0.0	0.0	0.0	0.0

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
[November 2021]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Nov. 2020 to Nov. 2021 ^P	June to July	July to Aug. ^P	Aug. to Sept. ^P	Sept. to Oct. ^P
Household furniture ²	12	1	12.6	1.3	0.6	1.8	0.5	1.2
Commercial furniture ²	12	2	12.1	0.7	-0.4	1.7	0.3	0.7
Floor coverings ²	12	3	7.6	-0.5	1.7	0.7	1.5	1.2
Household appliances ²	12	4	5.8	0.5	0.7	1.3	0.6	0.5
Home electronic equipment ²	12	5	8.7	1.6	2.9	0.0	1.0	1.2
Lawn and garden equipment excl. garden tractors ²	12	66	5.2	1.0	0.2	0.2	0.4	1.4
Passenger cars.....	14	1101	2.5	0.8	0.6	-0.2	-0.9	0.3
Light motor trucks.....	14	1105	3.6	0.3	0.2	0.4	-1.7	-0.2
Heavy motor trucks.....	14	1106	2.2	-0.3	0.2	0.1	0.5	1.0
Motor vehicles parts ²	14	12	4.7	0.7	0.5	0.1	0.4	0.2
Truck trailers ²	14	14	21.7	2.4	0.6	0.9	6.9	1.7
Travel trailers and campers ²	14	16	21.2	1.1	1.9	2.7	3.5	2.8
Aircraft.....	14	21	1.3	0.3	0.2	0.1	0.2	0.2
Ships ²	14	31	3.1	0.0	1.2	1.1	0.0	0.1
Railroad equipment ²	14	4	5.1	0.1	0.0	0.1	0.3	3.7
Toys, games, and children's vehicles ²	15	11	6.0	0.2	1.0	0.0	0.1	0.3
Sporting and athletic goods.....	15	12	12.9	1.3	1.8	0.4	0.3	1.5
Cigarettes ²	15	21	8.5	1.3	0.0	1.6	1.2	0.5
Mobile homes ²	15	5	24.5	1.7	0.1	0.0	1.5	0.2
Medical, surgical & personal aid devices.....	15	6	1.1	0.2	0.0	-0.5	0.2	0.1
Jewelry, platinum and karat gold ²	15	9402	1.6	-1.0	-1.6	0.4	0.0	1.3
Costume jewelry and novelties ²	15	9404	3.2	0.7	0.0	0.0	0.0	1.0
Final demand services.....	FD	42	7.1	1.0	0.5	0.4	0.2	0.7
Final demand trade services ³	FD	423	10.7	1.7	1.1	1.1	0.5	0.6
Machinery and equipment parts and supplies wholesaling ²	57	1102	14.5	3.7	-0.1	-0.4	1.7	0.4
Machinery and vehicle wholesaling ²	57	1103	7.5	3.3	3.3	-0.4	3.0	-0.2
Professional and commercial equipment wholesaling ²	57	1104	5.3	1.4	-1.9	1.9	1.0	-1.1
Furnishings wholesaling ²	57	2	9.5	4.1	0.1	2.4	4.0	-7.3
Chemicals and allied products wholesaling ²	57	5	2.2	-1.3	3.9	-2.3	0.7	-1.3
Paper and plastics products wholesaling ²	57	6	16.6	1.6	-1.1	3.9	0.7	-0.2
Apparel wholesaling ²	57	7	-5.6	2.0	3.0	2.7	-2.2	-1.7
Food and alcohol wholesaling ²	57	8	5.4	-2.1	1.8	1.7	2.5	0.3
Food and alcohol retailing.....	58	1	6.2	1.2	1.3	1.1	1.2	1.3
Health, beauty, and optical goods retailing ²	58	2	1.5	5.9	-5.0	-0.1	-0.2	0.1
Apparel, jewelry, footwear, and accessories retailing.....	58	3	15.9	0.7	2.3	2.2	-2.7	3.2
Computer hardware, software, and supplies retailing ²	58	4	-0.3	0.5	-2.0	0.9	2.5	-0.9
TV, video, and photographic equipment and supplies retailing ²	58	5	43.4	5.0	9.2	-6.2	-8.5	-10.4
Automobiles retailing (partial).....	58	6101	107.3	4.9	4.8	7.8	7.8	2.3
Automotive parts, including tires, retailing ²	58	6102	8.7	0.5	-0.2	2.2	1.8	0.6
RVs, trailers, and campers retailing ²	58	8	66.0	3.0	10.2	-7.6	16.0	1.3
Sporting goods, including boats, retailing ²	58	9	14.8	-0.2	8.0	-4.9	1.6	0.5
Lawn, garden, and farm equipment and supplies retailing ²	58	A	17.6	-0.1	0.9	1.4	3.3	4.1
Furniture retailing ²	58	B	24.0	2.0	1.6	0.6	0.1	3.4
Flooring and floor coverings retailing ²	58	C	11.1	-0.1	0.0	0.9	1.7	3.2
Hardware, building materials, and supplies retailing.....	58	D	12.0	-10.4	-8.5	-3.5	0.1	-1.6
Major household appliances retailing.....	58	E	2.0	3.1	1.2	1.8	-4.8	2.4
Fuels and lubricants retailing.....	58	F	6.0	2.6	4.4	4.8	-7.7	8.3
Cleaning supplies and paper products retailing ²	58	G	30.2	-4.1	5.1	4.6	-5.2	5.9
Book retailing ²	58	H	2.9	1.2	0.1	1.1	0.1	-0.2
Final demand transportation and warehousing services.....	FD	422	13.8	2.5	0.9	-1.4	1.1	1.9
Rail transportation of freight and mail ²	30	11	8.0	0.6	0.5	0.5	0.6	0.7
Truck transportation of freight ²	30	12	16.3	1.0	0.8	1.4	2.1	1.0
Air transportation of freight ²	30	14	8.8	-1.3	0.8	1.7	3.0	1.3
Courier, messenger, and U.S. postal services.....	30	16	8.7	0.6	0.2	2.6	1.3	0.7
Rail transportation of passengers.....	30	21	2.5	-0.1	0.2	1.0	-0.9	-0.2
Airline passenger services.....	30	22	12.1	7.6	1.5	-9.0	-1.4	5.1
Final demand services less trade, transportation, and warehousing.....	FD	421	4.7	0.5	0.2	0.3	-0.1	0.6
Sales of books ²	33	11	4.6	-0.4	-0.4	0.6	-0.3	0.1
Sales and subscriptions of periodicals and newspapers.....	33	12	2.0	0.8	0.4	0.8	0.0	0.6
Application software publishing ²	34	2	-0.7	0.8	-0.5	-0.7	1.4	-0.4
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-1.0	-0.8	0.5	-0.2	0.7	0.7
Residential wired telecommunication services.....	37	11	1.0	0.1	0.4	0.0	-0.3	0.3
Wireless telecommunication services.....	37	2	0.3	-0.1	-0.6	0.0	0.1	0.5
Cable and satellite subscriber services.....	37	3	3.4	0.1	-2.3	0.5	0.3	0.3
Internet access services ²	37	4	0.3	0.0	0.0	0.0	-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
[November 2021]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Nov. 2020 to Nov. 2021 ^P	June to July	July to Aug. ^P	Aug. to Sept. ^P	Sept. to Oct. ^P
Bundled wired telecommunications access services ²	37	5	2.8	-0.7	4.0	-0.9	1.2	-1.5
Consumer loans (partial).....	39	12	1.8	-0.8	-0.6	0.1	-1.0	0.5
Deposit services (partial) ²	39	2	-2.6	0.9	1.3	-0.3	0.7	0.1
Other credit intermediation, incl. trust services (partial) ²	39	3	-3.0	-0.1	-0.6	-0.1	-0.2	-1.7
Securities brokerage, dealing, investment advice, and related services ² ...	40	1	8.8	5.8	-3.4	-0.2	-6.4	6.1
Portfolio management ²	40	2	18.5	-0.9	0.8	1.2	-1.7	2.9
Life insurance ²	41	1101	0.8	0.1	0.1	-0.1	0.0	0.0
Disability insurance, including accidental death ²	41	1102	0.1	0.0	0.0	0.0	0.0	0.0
Health and medical insurance.....	41	1103	1.3	0.3	0.2	0.3	0.1	0.3
Property and casualty insurance ²	41	1104	-0.8	0.4	0.0	0.1	-0.1	0.0
Annuities ²	41	2	-1.2	-0.5	-0.3	0.0	0.2	0.0
Residential property sales and leases, brokerage fees and commissions..	43	21	12.7	1.4	1.3	0.9	0.1	0.2
Passenger car rental.....	44	1	35.5	-3.2	-3.7	-4.7	4.8	0.8
Legal services.....	45	1	4.0	0.3	-0.1	0.4	0.5	0.3
Tax preparation and planning.....	45	2102	-1.9	-4.6	1.1	1.0	0.3	-0.5
Architectural and engineering services ²	45	3	3.0	0.1	0.0	0.0	0.5	0.2
Management, scientific, and technical consulting services.....	45	4	15.8	-0.2	0.0	-0.1	1.1	-0.2
Arrangement of flights (partial).....	47	1	-8.8	-3.5	0.3	2.4	-1.9	0.4
Arrangement of vehicle rentals and lodging ²	47	2	14.2	7.3	-0.1	-1.4	-5.3	0.8
Arrangement of cruises and tours ²	47	3	26.6	5.7	-0.7	3.7	-3.6	-3.7
Physician care.....	51	1101	3.8	0.0	0.0	0.2	0.1	0.4
Medical laboratory and diagnostic imaging care ²	51	1102	-0.1	0.0	0.0	0.1	-0.1	0.0
Home health and hospice care ²	51	1103	1.8	0.1	0.0	0.0	0.3	0.4
Hospital outpatient care ²	51	1104	3.4	0.8	0.1	-0.1	0.4	0.0
Dental care.....	51	1105	1.6	0.1	0.3	0.2	0.0	0.0
Hospital inpatient care.....	51	2101	3.1	0.2	0.5	0.9	-0.1	0.1
Nursing home care.....	51	2102	0.9	0.1	0.1	0.1	0.0	0.3
Traveler accommodation services.....	53	11	22.1	5.4	1.1	-1.5	-0.7	5.1
Food and beverages for immediate consumption services (partial) ²	54	1	8.2	2.5	1.0	0.1	0.0	0.3
Motor vehicle repair and maintenance (partial).....	55	2	2.3	0.3	0.4	0.5	0.1	0.2
Membership dues and admissions and recreation facility use fees (partial) ²	56	1	4.9	-0.3	0.2	-0.4	1.5	0.9
Recreational activity instruction fees (partial) ²	56	2	-1.6	0.0	0.0	0.0	0.0	0.0
Gaming receipts (partial) ²	56	3	9.2	4.6	-1.9	0.4	1.3	3.5
Mining services ²	60	1	6.5	-0.2	0.9	0.4	1.3	-0.1
Final demand construction.....	FD	43	12.3	1.7	0.3	0.3	6.2	0.3
New warehouse building construction ²	80	1101	20.3	2.6	0.1	0.0	13.0	-0.3
New school building construction ²	80	1102	9.7	1.9	0.1	0.1	5.7	0.1
New office building construction ²	80	1103	12.4	1.6	0.3	0.1	5.8	0.2
New industrial building construction ²	80	1104	14.6	2.5	0.4	0.2	8.5	0.8
New health care building construction ²	80	1105	10.9	1.1	0.2	0.3	4.9	0.5
Intermediate Demand by Commodity Type								
Processed goods for intermediate demand.....	ID6	1	26.5	1.6	0.9	1.1	2.4	1.5
Processed foods and feeds.....	ID6	9112	13.0	-1.0	1.5	1.7	-1.1	-0.2
Meats.....	02	21	25.2	-4.9	6.4	4.7	-6.4	0.2
Processed poultry.....	02	22	23.0	-5.6	2.2	4.5	-0.4	-3.3
Dairy products.....	02	3	0.6	-0.3	-1.4	0.2	1.2	0.5
Processed fruits and vegetables ²	02	4	3.4	0.4	0.7	1.0	0.7	-0.2
Refined sugar and byproducts ²	02	53	3.7	-1.5	1.0	0.3	0.3	0.3
Fats and oils ²	02	7	48.3	2.5	0.4	0.3	2.4	1.8
Prepared animal feeds.....	02	9	10.3	0.7	0.1	1.3	-2.3	-0.3
Processed materials less foods and feeds.....	ID6	9111	27.7	1.8	0.8	1.1	2.8	1.7
Synthetic fibers ²	03	1	24.7	3.6	0.8	1.1	1.7	0.3
Processed yarns and threads ²	03	2	28.9	0.8	1.8	1.7	3.7	3.4
Finished fabrics ²	03	4	13.4	1.4	0.7	1.4	1.4	0.6
Liquefied petroleum gas ²	05	32	153.1	11.6	2.2	15.4	13.4	-5.8
Commercial electric power.....	05	42	7.8	0.3	0.1	1.2	-0.6	2.5
Industrial electric power.....	05	43	8.5	0.7	0.7	-0.4	2.5	1.0
Commercial natural gas.....	05	52	33.1	1.1	2.2	3.7	6.9	1.3
Industrial natural gas.....	05	53	51.6	-3.4	7.0	1.5	11.3	2.6
Natural gas to electric utilities.....	05	54	44.7	22.0	-2.2	4.0	18.9	27.7
Gasoline.....	05	71	102.2	4.8	0.1	3.1	7.4	7.3
Jet fuel ²	05	7203	114.9	4.9	-1.3	3.4	11.8	6.8
No. 2 diesel fuel.....	05	7303	81.0	2.4	-1.0	1.8	14.4	-2.6
Residual fuels ²	05	74	82.9	6.1	-8.9	-1.5	9.4	4.3

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
 [November 2021]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Nov. 2020 to Nov. 2021 ^P	June to July	July to Aug. ^P	Aug. to Sept. ^P	Sept. to Oct. ^P
Finished lubricants ²	05	76	14.3	2.2	1.4	0.2	3.4	0.0
Lubricating oil base stocks ²	05	78	99.0	9.2	-3.4	6.8	1.9	1.1
Asphalt.....	05	8102	82.9	-2.7	0.4	3.4	0.6	16.2
Basic inorganic chemicals ²	06	13	11.9	2.2	1.5	0.6	0.5	1.4
Basic organic chemicals.....	06	14	54.8	1.2	3.9	-1.1	2.2	2.6
Prepared paint ²	06	21	13.6	2.8	1.9	0.9	0.9	0.5
Paint materials ²	06	22	9.0	0.7	0.1	-2.7	1.0	4.3
Medicinal and botanical chemicals ²	06	31	0.0	0.1	0.0	0.1	0.0	-0.1
Biological products, including diagnostics.....	06	37	5.0	0.0	0.0	0.2	0.3	0.0
Fats and oils, inedible ²	06	4	70.7	1.1	0.4	-6.1	-0.4	0.4
Nitrogenates.....	06	5201	68.0	5.4	0.6	2.7	0.3	9.2
Phosphates.....	06	5202	90.2	9.8	2.2	2.6	2.4	4.9
Other agricultural chemicals ²	06	53	5.3	-1.3	1.7	0.9	0.6	0.1
Plastic resins and materials.....	06	6	43.5	2.8	1.8	-0.5	-0.5	-0.5
Industrial gases ²	06	7903	8.7	1.7	2.0	-0.5	-2.0	0.0
Adhesives and sealants ²	06	7904	8.2	1.5	0.4	1.0	0.6	0.7
Synthetic rubber ²	07	1102	26.9	3.5	6.0	2.5	0.3	-1.8
Tires ²	07	1201	7.7	2.9	0.4	0.3	0.1	0.9
Plastic construction products ²	07	21	32.5	4.4	2.7	1.2	3.0	1.5
Unsupported plastic film, sheet, other shapes ²	07	22	26.4	2.1	1.3	2.1	2.8	2.2
Parts for manufacturing from plastics ²	07	26	13.2	1.2	0.5	1.7	1.3	0.6
Plastic packaging products ²	07	2A	26.3	1.9	2.0	1.0	2.1	1.5
Softwood lumber.....	08	11	3.5	-32.8	-22.9	-3.9	8.6	6.9
Hardwood lumber ²	08	12	37.2	3.8	0.3	0.4	1.8	-0.4
Millwork.....	08	2	15.0	0.3	0.0	0.4	-0.1	0.5
Plywood ²	08	3	8.3	-9.3	-23.4	-20.2	4.4	2.9
Paper ²	09	13	16.3	2.7	1.6	0.9	1.2	0.8
Paperboard ²	09	14	25.0	1.8	1.9	1.2	3.9	0.0
Paper boxes and containers ²	09	1503	15.4	2.2	0.8	1.4	3.2	1.2
Building paper and board ²	09	2	11.3	0.6	-30.5	-5.8	2.8	0.6
Commercial printing ²	09	47	6.8	0.5	0.3	0.6	0.5	1.6
Foundry and forge shop products ²	10	15	11.1	1.3	1.3	0.2	1.3	0.4
Steel mill products ²	10	17	141.6	10.7	5.2	4.8	4.1	2.4
Primary nonferrous metals ²	10	22	31.3	0.5	1.7	2.7	5.4	-3.9
Secondary nonferrous metals ²	10	24	26.2	-0.1	0.5	-1.3	0.2	3.8
Aluminum mill shapes ²	10	2501	41.1	0.4	3.9	2.6	4.1	2.3
Copper and brass mill shapes ²	10	2502	37.8	-1.0	1.1	-0.7	0.1	1.5
Nonferrous wire and cable ²	10	26	30.2	1.4	1.7	0.4	0.7	1.2
Nonferrous foundry shop products.....	10	28	13.0	1.1	1.8	0.6	0.5	1.2
Metal containers ²	10	3	18.8	2.5	1.4	0.3	2.7	1.1
Hardware ²	10	4	17.1	1.1	0.7	1.0	5.0	1.7
Plumbing fixtures and brass fittings.....	10	5	3.6	0.3	0.7	-0.4	0.7	0.5
Heating equipment ²	10	6	15.6	0.5	3.8	0.3	1.0	0.1
Fabricated structural metal products.....	10	7	42.9	3.4	3.5	2.7	2.4	2.8
Bolts, nuts, screws, rivets, and washers ²	10	81	14.4	0.6	2.4	0.6	1.2	0.0
Lighting fixtures ²	10	83	7.2	0.8	0.6	0.8	0.7	0.4
Fabricated ferrous wire products ²	10	88	28.3	3.0	2.9	4.5	1.3	0.9
Other miscellaneous metal products ²	10	89	11.6	1.1	1.4	0.8	1.6	0.9
Fluid power equipment.....	11	43	8.0	0.7	1.2	0.3	2.0	0.4
Mechanical power transmission equipment ²	11	45	7.9	1.7	1.1	0.7	0.5	0.6
Air conditioning and refrigeration equipment.....	11	48	13.7	0.7	1.2	1.9	2.2	0.9
Metal valves, except fluid power.....	11	4902	5.5	1.2	0.8	0.2	0.8	0.6
Ball and roller bearings ²	11	4905	7.4	3.0	0.6	0.4	0.0	1.0
Wiring devices ²	11	71	24.6	4.2	2.0	2.0	1.5	2.0
Motors, generators, motor generator sets ²	11	73	11.9	0.9	-0.1	2.5	2.8	3.2
Switchgear, switchboard, and industrial controls equip. ²	11	75	7.8	1.4	0.6	2.5	0.1	0.3
Electronic components and accessories.....	11	78	2.6	-0.1	0.3	0.1	0.5	0.4
Internal combustion engines ²	11	94	2.0	0.2	0.3	0.1	0.9	0.0
Machine shop products ²	11	95	3.4	0.1	1.5	0.3	0.9	0.0
Flat glass ²	13	11	8.4	0.9	0.2	0.5	1.4	0.3
Cement.....	13	22	4.8	0.7	1.0	0.3	0.3	0.2
Concrete products.....	13	3	8.4	1.0	1.4	0.4	0.5	0.9
Asphalt felts and coatings ²	13	6	16.3	0.8	3.4	0.6	-0.1	2.8
Paving mixtures and blocks.....	13	94	6.2	0.3	-0.2	0.2	0.9	0.3
Motor vehicle parts ²	14	12	4.7	0.7	0.5	0.1	0.4	0.2
Aircraft engines and engine parts.....	14	23	1.3	0.8	-0.2	0.0	0.0	0.0

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
 [November 2021]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Nov. 2020 to Nov. 2021 ^P	June to July	July to Aug. ^P	Aug. to Sept. ^P	Sept. to Oct. ^P
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	1.6	0.2	0.1	0.2	0.8	0.0
Medical, surgical, and personal aid devices.....	15	6	1.1	0.2	0.0	-0.5	0.2	0.1
Unprocessed goods for intermediate demand.....	ID6	2	52.5	2.9	1.8	2.7	5.5	4.8
Unprocessed foodstuffs and feedstuffs.....	ID6	21	14.9	-1.9	4.0	0.9	-3.2	-0.7
Wheat ²	01	21	55.0	4.1	14.3	-0.7	2.9	6.6
Corn.....	01	2202	34.9	-4.8	4.9	-12.8	-7.6	6.1
Slaughter cattle.....	01	31	17.8	0.0	2.2	0.7	-1.7	1.5
Slaughter hogs.....	01	32	11.7	-8.2	1.3	7.2	-14.9	-3.7
Slaughter chickens.....	01	4102	46.1	2.7	13.0	8.0	-5.1	-6.2
Slaughter turkeys.....	01	42	14.2	3.9	3.8	5.7	-3.7	-6.7
Raw milk.....	01	6	-15.6	-3.4	-1.6	1.1	5.2	-10.3
Alfalfa hay ²	01	81	22.6	-5.7	13.3	6.5	-4.2	1.4
Oilseeds.....	01	8301	8.0	-5.1	2.7	-3.1	-6.5	-1.8
Raw cane sugar and byproducts ²	02	5201	5.4	0.0	1.1	-0.1	5.0	0.6
Unprocessed nonfood materials.....	ID6	22	77.2	5.6	0.6	3.7	9.9	7.1
Raw cotton ²	01	51	78.0	4.2	4.8	2.6	13.8	12.9
Hides and skins.....	04	1	-4.4	11.4	8.0	-3.6	-15.6	-21.3
Coal.....	05	1	6.1	0.3	-0.2	1.6	0.6	1.8
Natural gas ²	05	31	150.6	22.4	9.8	13.0	23.6	14.3
Crude petroleum ²	05	61	115.2	3.2	-7.2	4.5	14.1	3.8
Logs, bolts, timber, pulpwood, and woodchips ²	08	5	7.9	0.2	0.6	-0.7	-0.4	0.3
Recyclable paper ²	09	12	127.7	13.0	14.2	4.8	6.3	-2.0
Iron ores.....	10	11	25.1	5.8	2.2	2.9	0.5	0.1
Iron and steel scrap ²	10	12	78.1	2.0	-1.7	-4.5	-0.6	10.7
Nonferrous metal ores ²	10	21	13.9	-0.3	0.5	6.5	-6.6	5.3
Copper base scrap ²	10	2301	40.0	-0.8	-0.3	-0.2	2.9	-0.1
Aluminum base scrap.....	10	2302	68.8	1.1	6.0	-0.6	0.9	0.6
Construction sand, gravel, and crushed stone.....	13	21	4.5	0.4	0.6	0.4	0.0	0.9
Services for intermediate demand.....	ID6	3	8.1	0.6	0.1	0.6	0.1	0.6
Trade services for intermediate demand ³	ID6	33	15.4	1.1	0.4	0.4	0.2	0.0
Machinery and equipment parts and supplies wholesaling ²	57	1102	14.5	3.7	-0.1	-0.4	1.7	0.4
Building materials, paint, and hardware wholesaling.....	57	3	25.5	2.0	6.1	1.6	4.4	-1.4
Metals, minerals, and ores wholesaling ²	57	4	64.6	6.9	1.5	-0.6	-4.5	0.3
Chemicals and allied products wholesaling ²	57	5	2.2	-1.3	3.9	-2.3	0.7	-1.3
Paper and plastics products wholesaling ²	57	6	16.6	1.6	-1.1	3.9	0.7	-0.2
Food wholesaling ²	57	8101	5.3	-2.5	2.1	1.8	3.0	-0.1
Automotive parts, including tires, retailing ²	58	6102	8.7	0.5	-0.2	2.2	1.8	0.6
Hardware, building material, and supplies retailing.....	58	D	12.0	-10.4	-8.5	-3.5	0.1	-1.6
Transportation and warehousing services for intermediate demand.....	ID6	32	13.0	0.7	0.8	1.4	1.0	0.7
Rail transportation of freight and mail ²	30	11	8.0	0.6	0.5	0.5	0.6	0.7
Truck transportation of freight ²	30	12	16.3	1.0	0.8	1.4	2.1	1.0
Water transportation of freight ²	30	13	15.6	1.0	-0.4	1.5	3.1	0.4
Air transportation of freight ²	30	14	8.8	-1.3	0.8	1.7	3.0	1.3
Pipeline transportation of petroleum products.....	30	1501	1.9	-1.2	0.1	0.0	0.3	0.3
U.S. Postal Service.....	30	1601	8.3	0.1	0.1	5.6	1.3	0.1
Courier and messenger services, except air mail.....	30	1602	7.5	0.7	0.2	0.5	1.1	1.0
Air mail and package delivery services, excluding by USPS.....	30	1603	12.8	1.4	0.4	0.2	1.6	1.7
Transportation of passengers (partial).....	30	2	11.9	7.4	1.5	-8.8	-1.4	5.0
Services related to water transportation.....	31	1	3.8	-0.3	0.9	-0.4	0.5	0.1
Arrangement of freight and cargo ²	31	31	55.1	-2.0	3.0	9.2	1.2	-2.3
Warehousing, storage, and related services ²	32	1	6.4	0.4	2.4	1.3	2.0	-1.6
Services less trade, transportation, and warehousing for intermediate demand.....	ID6	31	5.1	0.5	-0.2	0.4	-0.1	0.8
Network compensation from broadcast TV, cable TV, radio ²	35	-	4.0	0.0	-0.2	0.0	0.0	0.0
Advertising space sales in periodicals and newspapers ²	36	11	-1.2	-1.0	0.6	-0.3	0.8	0.9
Advertising space sales in directories and mail lists ²	36	12	0.1	0.0	0.0	0.0	0.0	0.0
Television advertising time sales.....	36	2	-12.0	-1.5	-8.0	3.2	-1.9	5.3
Radio advertising time sales.....	36	3	16.6	-0.2	2.5	2.4	-4.2	6.1
Internet advertising space sales, excluding Internet ads sold by print publishers ²	36	5	4.8	-0.1	-1.2	-0.2	-1.0	0.9
Business wired telecommunication services ²	37	12	-2.0	0.0	-0.1	0.1	0.0	0.0
Wireless telecommunication services.....	37	2	0.3	-0.1	-0.6	0.0	0.1	0.5
Cable and satellite subscriber services.....	37	3	3.4	0.1	-2.3	0.5	0.3	0.3
Bundled wired telecommunication access services ²	37	5	2.8	-0.7	4.0	-0.9	1.2	-1.5
Data processing and related services ²	38	1	1.7	0.4	0.0	-0.2	1.1	0.0
Business loans (partial).....	39	11	18.9	2.8	-2.5	4.8	2.1	-0.7

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
[November 2021]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Nov. 2020 to Nov. 2021 ^P	June to July	July to Aug. ^P	Aug. to Sept. ^P	Sept. to Oct. ^P
Deposit services (partial) ²	39	2	-2.6	0.9	1.3	-0.3	0.7	0.1
Other credit intermediation, incl. trust services (partial) ²	39	3	-3.0	-0.1	-0.6	-0.1	-0.2	-1.7
Securities brokerage, dealing, investment advice, and related services ²	40	1	8.8	5.8	-3.4	-0.2	-6.4	6.1
Portfolio management ²	40	2	18.5	-0.9	0.8	1.2	-1.7	2.9
Investment banking ²	40	3	21.8	0.4	1.3	3.6	-0.1	0.0
Life insurance ²	41	1101	0.8	0.1	0.1	-0.1	0.0	0.0
Health and medical insurance.....	41	1103	1.3	0.3	0.2	0.3	0.1	0.3
Property and casualty insurance ²	41	1104	-0.8	0.4	0.0	0.1	-0.1	0.0
Annuities ²	41	2	-1.2	-0.5	-0.3	0.0	0.2	0.0
Commissions from sales of insurance ²	42	1	0.9	0.1	0.1	0.4	0.1	0.1
Nonresidential real estate rents ²	43	11	2.2	1.6	1.0	-0.4	-0.1	1.6
Nonresidential property sales and leases ²	43	12	8.9	2.6	0.7	0.6	1.8	0.1
Residential property management fees ²	43	22	5.3	-0.4	0.3	0.2	-0.1	0.2
Passenger car rental.....	44	1	35.5	-3.2	-3.7	-4.7	4.8	0.8
Truck, utility trailer, and RV rental and leasing ²	44	2	8.4	0.7	0.9	0.2	0.5	4.1
Construction, mining, and forestry machinery and equipment rental and leasing ²	44	3	1.5	0.2	0.0	0.2	0.4	0.0
Legal services.....	45	1	4.0	0.3	-0.1	0.4	0.5	0.3
Accounting services (partial).....	45	2	1.5	-1.4	1.0	0.5	-0.7	-0.3
Architectural and engineering services ²	45	3	3.0	0.1	0.0	0.0	0.5	0.2
Management, scientific, and technical consulting services.....	45	4	15.8	-0.2	0.0	-0.1	1.1	-0.2
Advertising and related services (partial) ²	45	5	-0.4	0.0	-0.1	0.0	-0.2	-0.3
Permanent placement services ²	46	1	3.8	0.0	1.8	0.7	-2.0	0.1
Executive search services ²	46	2	2.0	-0.6	1.0	-2.5	-0.6	2.0
Staffing services.....	46	3	4.8	-0.2	-0.5	0.2	0.2	0.9
Security guard services ²	48	1	4.5	0.3	1.1	1.0	0.6	0.0
Janitorial services ²	49	1	2.8	0.8	0.0	0.4	0.2	0.3
Waste collection.....	50	1	3.4	0.0	0.0	0.4	0.9	0.3
Traveler accommodation services.....	53	11	22.1	5.4	1.1	-1.5	-0.7	5.1
Commercial and industrial machinery and equipment repair and maintenance ²	55	1	3.3	0.7	0.0	0.0	0.3	0.0
Aircraft repair and maintenance.....	55	4	4.7	2.3	0.1	0.8	0.2	0.2
Metal treatment services ²	59	1	9.7	1.0	0.6	0.5	2.9	0.7
Construction for intermediate demand.....	ID6	4	10.1	1.0	0.4	2.7	0.7	0.8
Maintenance and repair of non-residential buildings (partial) ²	80	2	10.1	1.1	0.4	2.7	0.7	0.8
Intermediate Demand by Production Flow								
Stage 4 intermediate demand.....	ID5	4	12.9	0.9	0.5	0.5	0.7	1.0
Stage 4 intermediate demand goods.....	ID5	9411	17.5	0.9	0.8	0.7	1.3	1.4
Grains.....	01	2	38.4	-3.2	6.5	-9.7	-4.7	6.3
Meats.....	02	21	25.2	-4.9	6.4	4.7	-6.4	0.2
Unprocessed and packaged fish.....	02	23	16.8	6.5	-0.7	0.7	3.9	1.0
Dairy products.....	02	3	0.6	-0.3	-1.4	0.2	1.2	0.5
Commercial electric power.....	05	42	7.8	0.3	0.1	1.2	-0.6	2.5
Industrial electric power.....	05	43	8.5	0.7	0.7	-0.4	2.5	1.0
Gasoline.....	05	71	102.2	4.8	0.1	3.1	7.4	7.3
No. 2 diesel fuel.....	05	7303	81.0	2.4	-1.0	1.8	14.4	-2.6
Basic organic chemicals.....	06	14	54.8	1.2	3.9	-1.1	2.2	2.6
Prepared paint ²	06	21	13.6	2.8	1.9	0.9	0.9	0.5
Medicinal and botanical chemicals ²	06	31	0.0	0.1	0.0	0.1	0.0	-0.1
Biological products, including diagnostics.....	06	37	5.0	0.0	0.0	0.2	0.3	0.0
Pharmaceutical preparations.....	06	38	1.3	-0.4	0.3	0.3	0.2	0.2
Plastic construction products ²	07	21	32.5	4.4	2.7	1.2	3.0	1.5
Unsupported plastic film, sheet, and other shapes ²	07	22	26.4	2.1	1.3	2.1	2.8	2.2
Parts for manufacturing from plastics ²	07	26	13.2	1.2	0.5	1.7	1.3	0.6
Plastic packaging products ²	07	2A	26.3	1.9	2.0	1.0	2.1	1.5
Lumber.....	08	1	13.3	-24.6	-15.7	-2.3	6.0	4.3
Millwork.....	08	2	15.0	0.3	0.0	0.4	-0.1	0.5
Paper boxes and containers ²	09	1503	15.4	2.2	0.8	1.4	3.2	1.2
Commercial printing ²	09	47	6.8	0.5	0.3	0.6	0.5	1.6
Steel mill products ²	10	17	141.6	10.7	5.2	4.8	4.1	2.4
Nonferrous wire and cable ²	10	26	30.2	1.4	1.7	0.4	0.7	1.2
Fabricated structural metal products.....	10	7	42.9	3.4	3.5	2.7	2.4	2.8
Other miscellaneous metal products ²	10	89	11.6	1.1	1.4	0.8	1.6	0.9
Air conditioning and refrigeration equipment.....	11	48	13.7	0.7	1.2	1.9	2.2	0.9
Wiring devices ²	11	71	24.6	4.2	2.0	2.0	1.5	2.0

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
 [November 2021]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Nov. 2020 to Nov. 2021 ^P	June to July	July to Aug. ^P	Aug. to Sept. ^P	Sept. to Oct. ^P
Electronic components and accessories.....	11	78	2.6	-0.1	0.3	0.1	0.5	0.4
Miscellaneous electrical machinery and equipment ²	11	79	1.9	-0.2	0.5	0.5	0.7	-0.1
Internal combustion engines ²	11	94	2.0	0.2	0.3	0.1	0.9	0.0
Machine shop products ²	11	95	3.4	0.1	1.5	0.3	0.9	0.0
Concrete ingredients and related products.....	13	2	4.6	0.5	0.7	0.4	0.1	0.7
Concrete products.....	13	3	8.4	1.0	1.4	0.4	0.5	0.9
Prepared asphalt, tar roofing and siding products ²	13	61	17.7	0.9	3.4	0.6	-0.1	3.2
Paving mixtures and blocks.....	13	94	6.2	0.3	-0.2	0.2	0.9	0.3
Motor vehicle parts ²	14	12	4.7	0.7	0.5	0.1	0.4	0.2
Aircraft engines and engine parts.....	14	23	1.3	0.8	-0.2	0.0	0.0	0.0
Aircraft parts and auxiliary equipment, n.e.c.....	14	25	1.6	0.2	0.1	0.2	0.8	0.0
Medical, surgical and personal aid devices.....	15	6	1.1	0.2	0.0	-0.5	0.2	0.1
Stage 4 intermediate demand services.....	ID5	9412	8.9	1.0	0.3	0.4	0.1	0.7
Truck transportation of freight ²	30	12	16.3	1.0	0.8	1.4	2.1	1.0
Courier, messenger, and U.S. postal services.....	30	16	8.7	0.6	0.2	2.6	1.3	0.7
Airline passenger services.....	30	22	12.1	7.6	1.5	-9.0	-1.4	5.1
Warehousing, storage, and related services ²	32	1	6.4	0.4	2.4	1.3	2.0	-1.6
Advertising space sales in periodicals and newspapers ²	36	11	-1.2	-1.0	0.6	-0.3	0.8	0.9
Data processing and related services ²	38	1	1.7	0.4	0.0	-0.2	1.1	0.0
Business loans (partial).....	39	11	18.9	2.8	-2.5	4.8	2.1	-0.7
Deposit services (partial) ²	39	2	-2.6	0.9	1.3	-0.3	0.7	0.1
Securities brokerage, dealing, investment advice, and related services ²	40	1	8.8	5.8	-3.4	-0.2	-6.4	6.1
Portfolio management ²	40	2	18.5	-0.9	0.8	1.2	-1.7	2.9
Investment banking ²	40	3	21.8	0.4	1.3	3.6	-0.1	0.0
Insurance.....	41	11	0.1	0.3	0.1	0.2	0.0	0.1
Annuities ²	41	2	-1.2	-0.5	-0.3	0.0	0.2	0.0
Nonresidential real estate rents ²	43	11	2.2	1.6	1.0	-0.4	-0.1	1.6
Nonresidential property sales and leases ²	43	12	8.9	2.6	0.7	0.6	1.8	0.1
Nonresidential property management fees ²	43	13	-1.0	-3.6	3.1	0.7	0.4	0.3
Residential property management fees ²	43	22	5.3	-0.4	0.3	0.2	-0.1	0.2
Construction, mining, and forestry machinery and equipment rental and leasing ²	44	3	1.5	0.2	0.0	0.2	0.4	0.0
Legal services.....	45	1	4.0	0.3	-0.1	0.4	0.5	0.3
Advertising agency services ²	45	51	-0.4	0.0	-0.1	0.0	-0.2	-0.3
Accounting services (partial).....	45	2	1.5	-1.4	1.0	0.5	-0.7	-0.3
Architectural and engineering services ²	45	3	3.0	0.1	0.0	0.0	0.5	0.2
Management, scientific, and technical consulting services.....	45	4	15.8	-0.2	0.0	-0.1	1.1	-0.2
Staffing services.....	46	3	4.8	-0.2	-0.5	0.2	0.2	0.9
Janitorial services ²	49	1	2.8	0.8	0.0	0.4	0.2	0.3
Commercial and industrial machinery and equipment repair and maintenance ²	55	1	3.3	0.7	0.0	0.0	0.3	0.0
Machinery and equipment parts and supplies wholesaling ²	57	1102	14.5	3.7	-0.1	-0.4	1.7	0.4
Building materials, paint, and hardware wholesaling.....	57	3	25.5	2.0	6.1	1.6	4.4	-1.4
Metals, minerals, and ores wholesaling ²	57	4	64.6	6.9	1.5	-0.6	-4.5	0.3
Chemicals and allied products wholesaling ²	57	5	2.2	-1.3	3.9	-2.3	0.7	-1.3
Paper and plastics products wholesaling ²	57	6	16.6	1.6	-1.1	3.9	0.7	-0.2
Food and alcohol wholesaling ²	57	8	5.4	-2.1	1.8	1.7	2.5	0.3
Hardware and building materials and supplies retailing.....	58	D	12.0	-10.4	-8.5	-3.5	0.1	-1.6
Metal treatment services ²	59	1	9.7	1.0	0.6	0.5	2.9	0.7
Stage 3 intermediate demand.....	ID5	3	20.6	0.9	0.9	1.1	1.1	0.6
Stage 3 intermediate demand goods.....	ID5	9311	33.6	1.4	1.9	1.2	1.8	0.7
Slaughter cattle.....	01	31	17.8	0.0	2.2	0.7	-1.7	1.5
Slaughter hogs.....	01	32	11.7	-8.2	1.3	7.2	-14.9	-3.7
Slaughter poultry.....	01	4	37.7	2.8	11.0	7.6	-4.8	-6.2
Raw milk.....	01	6	-15.6	-3.4	-1.6	1.1	5.2	-10.3
Commercial electric power.....	05	42	7.8	0.3	0.1	1.2	-0.6	2.5
Industrial electric power.....	05	43	8.5	0.7	0.7	-0.4	2.5	1.0
Gasoline.....	05	71	102.2	4.8	0.1	3.1	7.4	7.3
Jet fuel ²	05	7203	114.9	4.9	-1.3	3.4	11.8	6.8
No. 2 diesel fuel.....	05	7303	81.0	2.4	-1.0	1.8	14.4	-2.6
Finished lubricants ²	05	76	14.3	2.2	1.4	0.2	3.4	0.0
Lubricating oil base stocks ²	05	78	99.0	9.2	-3.4	6.8	1.9	1.1
Asphalt.....	05	8102	82.9	-2.7	0.4	3.4	0.6	16.2
Basic inorganic chemicals ²	06	13	11.9	2.2	1.5	0.6	0.5	1.4
Basic organic chemicals.....	06	14	54.8	1.2	3.9	-1.1	2.2	2.6
Paints and allied products ²	06	2	12.6	2.2	1.5	0.0	1.0	1.4

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
 [November 2021]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Nov. 2020 to Nov. 2021 ^P	June to July	July to Aug. ^P	Aug. to Sept. ^P	Sept. to Oct. ^P
Agricultural chemicals and chemical products.....	06	5	41.1	4.2	2.3	3.0	1.2	3.6
Plastic resins and materials.....	06	6	43.5	2.8	1.8	-0.5	-0.5	-0.5
Synthetic rubber ²	07	1102	26.9	3.5	6.0	2.5	0.3	-1.8
Unsupported plastic film, sheet, and other shapes ²	07	22	26.4	2.1	1.3	2.1	2.8	2.2
Paper ²	09	13	16.3	2.7	1.6	0.9	1.2	0.8
Paperboard ²	09	14	25.0	1.8	1.9	1.2	3.9	0.0
Converted paper and paperboard products ²	09	15	11.7	1.5	1.1	1.4	1.7	1.0
Commercial printing ²	09	47	6.8	0.5	0.3	0.6	0.5	1.6
Foundry and forge shop products ²	10	15	11.1	1.3	1.3	0.2	1.3	0.4
Steel mill products ²	10	17	141.6	10.7	5.2	4.8	4.1	2.4
Nonferrous mill shapes ²	10	25	35.1	0.2	2.4	1.3	2.5	1.9
Nonferrous foundry shop products.....	10	28	13.0	1.1	1.8	0.6	0.5	1.2
Metal containers ²	10	3	18.8	2.5	1.4	0.3	2.7	1.1
Structural, architectural, and pre-engineered metal products.....	10	74	52.2	3.6	4.7	3.9	3.7	2.3
Bolts, nuts, screws, rivets, and washers ²	10	81	14.4	0.6	2.4	0.6	1.2	0.0
Other miscellaneous metal products ²	10	89	11.6	1.1	1.4	0.8	1.6	0.9
General purpose machinery and equipment.....	11	4	9.5	1.2	0.9	1.2	1.0	0.7
Electrical machinery and equipment.....	11	7	5.0	0.4	0.4	1.2	0.8	0.5
Construction sand, gravel, and crushed stone.....	13	21	4.5	0.4	0.6	0.4	0.0	0.9
Cement.....	13	22	4.8	0.7	1.0	0.3	0.3	0.2
Motor vehicle parts ²	14	12	4.7	0.7	0.5	0.1	0.4	0.2
Aircraft and aircraft equipment.....	14	2	1.4	0.4	0.1	0.1	0.3	0.1
Stage 3 intermediate demand services.....	ID5	9312	9.4	0.5	-0.1	1.0	0.4	0.5
Rail transportation of freight and mail ²	30	11	8.0	0.6	0.5	0.5	0.6	0.7
Courier, messenger, and U.S. postal services.....	30	16	8.7	0.6	0.2	2.6	1.3	0.7
Arrangement of freight and cargo ²	31	31	55.1	-2.0	3.0	9.2	1.2	-2.3
Freight forwarding ²	31	3201	12.7	0.5	1.0	1.7	-0.3	1.2
Warehousing, storage, and related services ²	32	1	6.4	0.4	2.4	1.3	2.0	-1.6
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-1.0	-0.8	0.5	-0.2	0.7	0.7
Wired telephone services ²	37	1	-0.9	0.0	0.0	0.0	0.0	0.0
Bundled wired telecommunications access services ²	37	5	2.8	-0.7	4.0	-0.9	1.2	-1.5
Data processing and related services ²	38	1	1.7	0.4	0.0	-0.2	1.1	0.0
Business loans (partial).....	39	11	18.9	2.8	-2.5	4.8	2.1	-0.7
Deposit services (partial) ²	39	2	-2.6	0.9	1.3	-0.3	0.7	0.1
Securities brokerage, dealing, investment advice, and related services ²	40	1	8.8	5.8	-3.4	-0.2	-6.4	6.1
Insurance.....	41	11	0.1	0.3	0.1	0.2	0.0	0.1
Nonresidential real estate rents ²	43	11	2.2	1.6	1.0	-0.4	-0.1	1.6
Legal services.....	45	1	4.0	0.3	-0.1	0.4	0.5	0.3
Accounting services (partial).....	45	2	1.5	-1.4	1.0	0.5	-0.7	-0.3
Architectural and engineering services ²	45	3	3.0	0.1	0.0	0.0	0.5	0.2
Management, scientific, and technical consulting services.....	45	4	15.8	-0.2	0.0	-0.1	1.1	-0.2
Advertising agency services ²	45	51	-0.4	0.0	-0.1	0.0	-0.2	-0.3
Staffing services.....	46	3	4.8	-0.2	-0.5	0.2	0.2	0.9
Aircraft repair maintenance.....	55	4	4.7	2.3	0.1	0.8	0.2	0.2
Machinery and equipment parts and supplies wholesaling ²	57	1102	14.5	3.7	-0.1	-0.4	1.7	0.4
Building materials, paint, and hardware wholesaling.....	57	3	25.5	2.0	6.1	1.6	4.4	-1.4
Metals, minerals, and ores wholesaling ²	57	4	64.6	6.9	1.5	-0.6	-4.5	0.3
Chemicals and allied products wholesaling ²	57	5	2.2	-1.3	3.9	-2.3	0.7	-1.3
Paper and plastics products wholesaling ²	57	6	16.6	1.6	-1.1	3.9	0.7	-0.2
Food wholesaling ²	57	8101	5.3	-2.5	2.1	1.8	3.0	-0.1
Metal treatment services ²	59	1	9.7	1.0	0.6	0.5	2.9	0.7
Stage 2 intermediate demand.....	ID5	2	28.1	2.2	0.5	2.2	3.6	2.5
Stage 2 intermediate demand goods.....	ID5	9211	57.3	4.2	0.9	3.4	7.5	4.5
Corn.....	01	2202	34.9	-4.8	4.9	-12.8	-7.6	6.1
Oilseeds.....	01	83	8.0	-5.1	2.7	-3.1	-6.5	-1.8
Prepared animal feeds.....	02	9	10.3	0.7	0.1	1.3	-2.3	-0.3
Coal.....	05	1	6.1	0.3	-0.2	1.6	0.6	1.8
Natural gas ²	05	31	150.6	22.4	9.8	13.0	23.6	14.3
Liquefied petroleum gas ²	05	32	153.1	11.6	2.2	15.4	13.4	-5.8
Crude petroleum ²	05	61	115.2	3.2	-7.2	4.5	14.1	3.8
No. 2 diesel fuel.....	05	7303	81.0	2.4	-1.0	1.8	14.4	-2.6
Industrial chemicals.....	06	1	47.9	1.3	3.6	-0.9	2.0	2.5
Plastic resins and materials.....	06	6	43.5	2.8	1.8	-0.5	-0.5	-0.5
Plastic products ²	07	2	22.9	2.0	1.5	1.6	2.1	1.6
Logs, bolts, timber, pulpwood, and wood chips ²	08	5	7.9	0.2	0.6	-0.7	-0.4	0.3

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
 [November 2021]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Nov. 2020 to Nov. 2021 ^P	June to July	July to Aug. ^P	Aug. to Sept. ^P	Sept. to Oct. ^P
Paper ²	09	13	16.3	2.7	1.6	0.9	1.2	0.8
Paperboard, excluding corrugated paperboard ²	09	1411	25.7	1.7	2.2	1.3	3.9	0.1
Commercial printing ²	09	47	6.8	0.5	0.3	0.6	0.5	1.6
Iron and steel scrap ²	10	12	78.1	2.0	-1.7	-4.5	-0.6	10.7
Steel mill products ²	10	17	141.6	10.7	5.2	4.8	4.1	2.4
Nonferrous mill shapes ²	10	25	35.1	0.2	2.4	1.3	2.5	1.9
Electrical machinery and equipment.....	11	7	5.0	0.4	0.4	1.2	0.8	0.5
Electronic components and accessories.....	11	78	2.6	-0.1	0.3	0.1	0.5	0.4
Stage 2 intermediate demand services.....	ID5	9212	7.7	0.5	0.2	0.9	0.1	0.6
Rail transportation of freight and mail ²	30	11	8.0	0.6	0.5	0.5	0.6	0.7
Truck transportation of freight ²	30	12	16.3	1.0	0.8	1.4	2.1	1.0
Pipeline transportation of petroleum products.....	30	1501	1.9	-1.2	0.1	0.0	0.3	0.3
U.S. Postal Service.....	30	1601	8.3	0.1	0.1	5.6	1.3	0.1
Courier and messenger services, except air.....	30	1602	7.5	0.7	0.2	0.5	1.1	1.0
Air mail and package delivery services, excluding by USPS.....	30	1603	12.8	1.4	0.4	0.2	1.6	1.7
Airline passenger services.....	30	22	12.1	7.6	1.5	-9.0	-1.4	5.1
Arrangement of freight and cargo ²	31	31	55.1	-2.0	3.0	9.2	1.2	-2.3
Television advertising time sales.....	36	21	-12.0	-1.5	-8.0	3.2	-1.9	5.3
Wireless telecommunication services.....	37	2	0.3	-0.1	-0.6	0.0	0.1	0.5
Data processing and related services ²	38	1	1.7	0.4	0.0	-0.2	1.1	0.0
Securities brokerage, dealing, investment advice, and related services ²	40	1	8.8	5.8	-3.4	-0.2	-6.4	6.1
Portfolio management ²	40	2	18.5	-0.9	0.8	1.2	-1.7	2.9
Investment banking ²	40	31	21.8	0.4	1.3	3.6	-0.1	0.0
Insurance.....	41	11	0.1	0.3	0.1	0.2	0.0	0.1
Commissions from sales of insurance ²	42	11	0.9	0.1	0.1	0.4	0.1	0.1
Legal services.....	45	1	4.0	0.3	-0.1	0.4	0.5	0.3
Accounting services (partial).....	45	2	1.5	-1.4	1.0	0.5	-0.7	-0.3
Management, scientific, and technical consulting services.....	45	4	15.8	-0.2	0.0	-0.1	1.1	-0.2
Advertising agency services ²	45	51	-0.4	0.0	-0.1	0.0	-0.2	-0.3
Staffing services.....	46	3	4.8	-0.2	-0.5	0.2	0.2	0.9
Security guard services ²	48	1	4.5	0.3	1.1	1.0	0.6	0.0
Janitorial services ²	49	1	2.8	0.8	0.0	0.4	0.2	0.3
Traveler accommodation services.....	53	1	22.1	5.4	1.1	-1.5	-0.7	5.1
Commercial and industrial machinery and equipment repair and maintenance ²	55	1	3.3	0.7	0.0	0.0	0.3	0.0
Hardware and building materials and supplies retailing.....	58	D	12.0	-10.4	-8.5	-3.5	0.1	-1.6
Stage 1 intermediate demand.....	ID5	1	20.8	1.4	0.6	0.3	1.2	1.5
Stage 1 intermediate demand goods.....	ID5	9111	33.2	2.1	1.1	0.6	2.5	2.0
Prepared animal feeds.....	02	9	10.3	0.7	0.1	1.3	-2.3	-0.3
Commercial electric power.....	05	42	7.8	0.3	0.1	1.2	-0.6	2.5
Industrial electric power.....	05	43	8.5	0.7	0.7	-0.4	2.5	1.0
Commercial natural gas.....	05	52	33.1	1.1	2.2	3.7	6.9	1.3
Industrial natural gas.....	05	53	51.6	-3.4	7.0	1.5	11.3	2.6
Gasoline.....	05	71	102.2	4.8	0.1	3.1	7.4	7.3
No. 2 diesel fuel.....	05	7303	81.0	2.4	-1.0	1.8	14.4	-2.6
Industrial chemicals.....	06	1	47.9	1.3	3.6	-0.9	2.0	2.5
Prepared paint ²	06	21	13.6	2.8	1.9	0.9	0.9	0.5
Plastic construction products ²	07	21	32.5	4.4	2.7	1.2	3.0	1.5
Recyclable paper ²	09	12	127.7	13.0	14.2	4.8	6.3	-2.0
Paper ²	09	13	16.3	2.7	1.6	0.9	1.2	0.8
Converted paper and paperboard products ²	09	15	11.7	1.5	1.1	1.4	1.7	1.0
Iron and steel scrap ²	10	12	78.1	2.0	-1.7	-4.5	-0.6	10.7
Steel mill products ²	10	17	141.6	10.7	5.2	4.8	4.1	2.4
Primary nonferrous metals ²	10	22	31.3	0.5	1.7	2.7	5.4	-3.9
Nonferrous scrap.....	10	23	22.9	0.6	-0.7	-6.6	0.8	0.1
Nonferrous wire and cable ²	10	26	30.2	1.4	1.7	0.4	0.7	1.2
Fabricated structural metal products.....	10	7	42.9	3.4	3.5	2.7	2.4	2.8
General purpose machinery and equipment.....	11	4	9.5	1.2	0.9	1.2	1.0	0.7
Construction sand, gravel, and crushed stone.....	13	21	4.5	0.4	0.6	0.4	0.0	0.9
Stage 1 intermediate demand services.....	ID5	9112	9.6	0.8	0.0	0.0	-0.2	0.9
Truck transportation of freight ²	30	12	16.3	1.0	0.8	1.4	2.1	1.0
Airline passenger services.....	30	22	12.1	7.6	1.5	-9.0	-1.4	5.1
Advertising space sales in periodicals, newspapers, directories, and mailing lists ²	36	1	-1.0	-0.8	0.5	-0.2	0.7	0.7
Business wired telecommunication services ²	37	12	-2.0	0.0	-0.1	0.1	0.0	0.0
Wireless telecommunication services.....	37	2	0.3	-0.1	-0.6	0.0	0.1	0.5

See footnotes at end of table.

Table 2. Producer price index percentage changes for selected commodity groupings by Final Demand-Intermediate Demand category, seasonally adjusted — Continued
 [November 2021]

Grouping	Commodity code		Unadjusted 12-month percent change ¹	Seasonally adjusted 1-month percent change ¹				
	Group code	Item code		Nov. 2020 to Nov. 2021 ^p	June to July	July to Aug. ^p	Aug. to Sept. ^p	Sept. to Oct. ^p
Bundled wired telecommunications access services ²	37	5	2.8	-0.7	4.0	-0.9	1.2	-1.5
Business loans (partial).....	39	11	18.9	2.8	-2.5	4.8	2.1	-0.7
Deposit services (partial) ²	39	2	-2.6	0.9	1.3	-0.3	0.7	0.1
Securities brokerage, dealing, investment advice, and related services ²	40	1	8.8	5.8	-3.4	-0.2	-6.4	6.1
Portfolio management ²	40	2	18.5	-0.9	0.8	1.2	-1.7	2.9
Investment banking ²	40	3	21.8	0.4	1.3	3.6	-0.1	0.0
Insurance.....	41	11	0.1	0.3	0.1	0.2	0.0	0.1
Nonresidential real estate rents ²	43	11	2.2	1.6	1.0	-0.4	-0.1	1.6
Architectural and engineering services ²	45	3	3.0	0.1	0.0	0.0	0.5	0.2
Management consulting services.....	45	41	15.8	-0.2	0.0	-0.1	1.1	-0.2
Waste collection.....	50	1	3.4	0.0	0.0	0.4	0.9	0.3
Traveler accommodation services.....	53	11	22.1	5.4	1.1	-1.5	-0.7	5.1
Commercial and industrial machinery and equipment repair and maintenance ²	55	1	3.3	0.7	0.0	0.0	0.3	0.0
Machinery and equipment parts and supplies wholesaling ²	57	1102	14.5	3.7	-0.1	-0.4	1.7	0.4
Building materials, paint, and hardware wholesaling.....	57	3	25.5	2.0	6.1	1.6	4.4	-1.4
Metals, minerals, and ores wholesaling ²	57	4	64.6	6.9	1.5	-0.6	-4.5	0.3
Chemicals and allied products wholesaling ²	57	5	2.2	-1.3	3.9	-2.3	0.7	-1.3
Paper and plastics products wholesaling ²	57	6	16.6	1.6	-1.1	3.9	0.7	-0.2
Hardware and building materials and supplies retailing.....	58	D	12.0	-10.4	-8.5	-3.5	0.1	-1.6
Mining services ²	60	1	6.5	-0.2	0.9	0.4	1.3	-0.1

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

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

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

p Preliminary

"-" Data not available.

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

Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted
 [November 2021, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	July 2021	Aug. 2021 ^P	Sept. 2021 ^P	Oct. 2021 ^P	Nov. 2021 ^P
Final Demand								
Final demand.....		FD	4	127.507	128.307	129.119	129.947	131.032
Final demand goods.....		FD	41	126.634	127.729	129.116	130.768	132.317
Final demand foods.....		FD	411	130.236	132.995	135.858	135.388	136.971
Finished consumer foods ²	00/82	FD	4111	226.088	230.386	236.393	236.788	239.657
Finished consumer foods, crude.....	00/82	FD	41113	193.944	199.743	219.559	235.930	260.598
Finished consumer foods, processed.....	00/82	FD	41112	230.042	234.188	238.723	237.382	237.883
Government purchased foods.....		FD	4112	135.828	138.934	142.088	139.737	140.381
Foods for export.....		FD	4113	140.635	144.952	144.929	141.722	143.543
Final demand energy.....		FD	412	120.901	121.629	124.187	130.747	134.165
Finished consumer energy goods ²	00/82	FD	4121	190.213	192.214	196.127	205.176	210.630
Government purchased energy.....		FD	4122	125.643	124.757	127.507	137.212	140.180
Energy for export.....		FD	4123	111.191	108.571	111.594	121.689	125.430
Final demand goods less foods and energy.....		FD	413	127.259	128.032	128.696	129.468	130.463
Finished goods less foods and energy ²	00/82	FD	4131	219.243	220.311	221.671	222.608	223.854
Finished consumer goods less foods and energy.....	00/82	FD	41311	244.974	246.308	247.795	248.708	250.062
Nondurable consumer goods less foods and energy.....	00/82	FD	413111	313.978	315.446	317.456	319.178	321.090
Durable consumer goods.....	00/82	FD	413112	173.565	174.737	175.693	175.822	176.614
Private capital equipment.....	00/82	FD	41312	187.070	187.858	189.048	189.964	191.061
Private capital equipment for manufacturing industries.....	00/82	FD	413121	194.663	195.557	197.382	198.612	199.848
Private capital equipment for nonmanufacturing industries.....	00/82	FD	413122	184.662	185.419	186.435	187.265	188.322
Government purchased goods, excluding foods and energy.....		FD	4132	123.248	123.986	124.805	125.664	126.533
Government purchased goods excluding foods, energy, and capital equipment.....		FD	41321	129.141	130.263	130.961	132.171	133.402
Government purchased capital equipment.....		FD	41322	114.095	114.340	115.300	115.703	116.101
Goods for export, excluding foods and energy.....		FD	4133	128.630	129.680	130.076	131.214	132.723
Final demand services.....		FD	42	127.475	128.135	128.662	128.883	129.743
Final demand trade services ³		FD	423	131.813	133.237	134.694	135.328	136.130
Trade of finished goods ²		FD	4231	130.971	132.341	133.963	134.421	135.409
Trade of personal consumption goods.....		FD	42311	131.860	133.171	134.946	134.780	136.004
Trade of private capital equipment.....		FD	42312	125.619	127.234	128.167	131.324	131.279
Trade of government purchased goods.....		FD	4232	134.472	136.049	136.991	138.771	138.344
Trade of government purchased goods, excluding capital equipment.....		FD	42321	141.957	143.027	144.464	145.429	145.053
Trade of government purchased capital equipment.....		FD	42322	121.862	124.195	124.375	127.357	126.861
Trade of exports.....		FD	4233	138.808	140.653	140.853	142.612	142.244
Final demand transportation and warehousing services.....		FD	422	133.873	135.086	133.255	134.675	137.248
Transportation of passengers for final demand.....		FD	4221	115.434	117.169	106.779	105.272	110.540
Transportation of private passengers.....		FD	42211	115.479	117.209	106.849	105.343	110.597
Transportation of government passengers.....		FD	42212	115.449	117.163	106.931	105.431	110.623
Transportation of passengers for export.....		FD	42213	115.250	117.001	106.480	104.970	110.300
Transportation and warehousing of goods for final demand.....		FD	4222	140.365	141.334	143.278	145.964	147.329
Transportation and warehousing of finished goods ²		FD	42221	139.267	140.254	142.303	145.030	146.383
Transportation and warehousing of personal consumption goods.....		FD	422211	139.521	140.494	142.612	145.327	146.670
Transportation and warehousing of private capital equipment.....		FD	422212	138.251	139.292	141.062	143.840	145.230
Transportation and warehousing of government purchased goods.....		FD	42222	137.547	138.559	140.901	143.460	144.439
Transportation and warehousing of exports.....		FD	42223	144.575	145.499	147.115	149.749	151.239
Final demand services less trade, transportation, and warehousing.....		FD	421	124.929	125.183	125.513	125.428	126.148
Finished services less trade, transportation, and warehousing ²		FD	4211	125.309	125.598	125.921	125.855	126.553
Finished consumer services less trade, transportation, and warehousing.....		FD	42111	125.204	125.435	125.747	125.569	126.355
Private capital investment services less trade, transportation, and warehousing.....		FD	42112	126.576	127.375	127.796	128.721	128.644
Government purchased services less trade, transportation, and warehousing.....		FD	4212	117.498	117.714	117.955	117.954	118.634
Gov. purchased services less trade, transportation, and warehousing, excl. capital investment.....		FD	42121	117.880	118.105	118.364	118.300	119.025
Government purchased capital investment services less trade, transportation, and warehousing.....		FD	42122	107.337	107.362	107.243	108.510	108.267
Services for export less trade, transportation, and warehousing.....		FD	4213	128.739	128.532	129.077	128.611	129.707
Final demand construction.....		FD	43	136.527	136.870	137.334	145.909	146.397
Construction for private capital investment.....		FD	431	137.196	137.578	137.783	147.609	148.109
Construction for government.....		FD	432	135.098	135.369	136.298	142.603	143.071
Final Demand Special Groupings								
Final demand less exports.....	04/10	FD	49101	125.110	125.862	126.747	127.541	128.569
Final demand less government.....	04/10	FD	49102	125.897	126.705	127.502	128.235	129.317
Final demand less foods, food and nonalcoholic beverages for immediate consumption, and energy ¹	04/10	FD	49103	126.426	127.099	127.666	128.151	129.077
Final demand less foods and energy ⁴	04/10	FD	49104	126.273	126.947	127.501	127.999	128.876
Final demand less foods and food and nonalcoholic beverages for immediate consumption ⁴	04/10	FD	49105	125.653	126.327	127.030	127.931	129.025

See footnotes at end of table.

Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued
 [November 2021, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	July 2021	Aug. 2021 ^P	Sept. 2021 ^P	Oct. 2021 ^P	Nov. 2021 ^P
Final demand less foods ⁴	04/10	FD	49106	125.489	126.165	126.847	127.738	128.777
Final demand less energy.....	04/10	FD	49107	126.247	127.041	127.728	128.168	129.085
Final demand less trade services.....	01/10	FD	49108	125.078	125.723	126.375	127.242	128.383
Final demand less distributive services ⁵	01/10	FD	49109	124.513	125.147	125.753	126.553	127.685
Final demand goods less energy.....	01/10	FD	49111	126.744	127.913	129.016	129.529	130.634
Final demand goods less foods.....	04/10	FD	49112	123.014	123.760	124.826	126.853	128.358
Final demand services less trade services.....	04/10	FD	49113	124.742	125.080	125.214	125.264	126.144
Final demand distributive services ⁵	04/10	FD	49114	130.497	131.837	133.330	134.214	135.073
Final demand goods plus final demand distributive services ⁵	04/10	FD	49115	126.475	127.653	129.063	130.389	131.644
Final demand less foods, energy, and trade services ⁴	08/13	FD	49116	117.801	118.243	118.531	118.965	119.813
Private and government purchased capital equipment.....	08/13	FD	49117	113.566	114.011	114.766	115.301	115.929
Private and government purchased capital investment services.....	08/13	FD	49118	116.342	117.435	118.060	119.910	119.901
Total private and government purchased capital investment.....	08/13	FD	49119	116.496	117.240	117.904	119.791	120.099
Total finished ²	01/10	FD	49201	126.142	126.920	127.815	128.514	129.559
Total finished less foods, food and nonalcoholic beverages for immediate consumption, and energy ^{2, 4}	12/10	FD	49202	125.789	126.426	127.058	127.433	128.270
Total finished less foods and energy ^{2, 4}	01/10	FD	49203	126.704	127.346	127.975	128.343	129.181
Total finished less foods and food and nonalcoholic beverages for immediate consumption ⁴	12/10	FD	49204	124.733	125.408	126.162	126.897	127.906
Total finished less foods ^{2, 4}	01/10	FD	49205	126.148	126.832	127.584	128.310	129.323
Total finished less energy ²	01/10	FD	49206	126.671	127.416	128.205	128.564	129.447
Finished goods ²	00/82	FD	49207	221.589	223.586	226.591	229.571	232.286
Finished goods less energy ²	00/82	FD	49208	220.633	222.524	225.070	225.867	227.526
Finished goods, excluding foods ^{2, 4}	00/82	FD	49209	219.570	220.987	223.236	226.844	229.510
Finished services ²	01/10	FD	49210	126.359	127.011	127.612	127.774	128.643
Private capital investment services.....	04/10	FD	49211	125.444	126.595	127.300	129.262	129.275
Finished distributive services ^{2, 5}	04/10	FD	49212	129.303	130.608	132.243	132.919	133.925
Finished services less trade services ²	04/10	FD	49213	124.879	125.230	125.403	125.441	126.263
Finished services less distributive services ^{2, 5}	04/10	FD	49214	124.266	124.585	124.664	124.566	125.362
Total private capital investment (goods, services, and construction).....	04/10	FD	49215	123.443	124.265	124.956	126.885	127.221
Finished goods plus finished distributive services ²	04/10	FD	49216	126.348	127.552	129.210	130.415	131.694
Total exports.....	04/10	FD	49301	127.680	128.681	128.950	129.887	131.198
Goods for export.....	00/82	FD	49302	217.022	219.036	219.851	221.777	224.556
Services for export.....	04/10	FD	49303	133.227	133.995	133.957	134.642	135.525
Total government purchases.....	04/10	FD	49401	121.179	121.725	122.548	124.317	125.223
Government purchased goods.....	00/82	FD	49402	204.211	205.214	207.699	211.905	214.082
Government purchased services.....	04/10	FD	49403	121.053	121.601	121.785	122.197	122.805
Total government purchased capital investment (goods, services, construction).....	08/13	FD	49404	114.579	115.081	115.816	118.155	118.395
Personal consumption.....	01/10	FD	49501	126.649	127.416	128.355	128.780	129.983
Personal consumption goods (finished consumer goods).....	00/82	FD	49502	236.121	238.664	242.491	246.408	249.856
Personal consumption goods less energy.....	00/82	FD	49503	237.635	240.221	243.615	244.312	246.307
Personal consumption goods less foods.....	00/82	FD	49504	238.421	240.232	243.145	248.464	252.120
Personal consumption nondurable goods less foods.....	00/82	FD	49508	266.740	268.825	272.566	280.067	284.932
Personal consumption services.....	04/10	FD	49505	125.976	126.551	127.135	127.028	128.021
Personal consumption less trade services.....	04/10	FD	49506	124.917	125.537	126.252	126.833	128.026
Personal consumption less distributive services ⁵	04/10	FD	49507	124.546	125.156	125.828	126.344	127.533
Personal consumption less foods and energy.....	04/14	FD	49510	117.641	118.190	118.755	118.718	119.613
Personal consumption less foods, energy, and trade services ³	04/14	FD	49511	116.601	116.935	117.149	117.150	117.970
Personal consumption less foods, energy, and distributive services ⁵	04/14	FD	49512	116.522	116.836	116.984	116.890	117.696
Personal consumption goods plus personal consumption distributive services ⁵	08/13	FD	49509	116.472	117.659	119.397	120.409	121.800
Intermediate Demand by Commodity Type								
Processed goods								
Processed goods for intermediate demand.....	00/82	ID6	1	234.568	236.640	239.266	245.104	248.867
Materials and components for manufacturing.....	00/82	ID6	11	224.579	228.265	230.608	234.336	236.933
Materials for manufacturing.....		ID6	111	146.301	149.172	150.798	153.547	155.563
Materials for food manufacturing.....	00/82	ID6	1111	225.686	230.187	234.457	233.233	233.262
Materials for nondurable manufacturing.....	00/82	ID6	1112	266.256	272.155	271.085	275.119	279.004
Materials for durable manufacturing.....	00/82	ID6	1113	295.242	300.227	307.393	316.426	321.559
Components for manufacturing.....	00/82	ID6	112	166.074	167.771	169.286	171.335	172.542
Components for nondurable manufacturing.....		ID6	1121	128.473	129.947	131.816	134.973	137.265
Components for durable manufacturing.....		ID6	1122	117.248	118.438	119.474	120.845	121.632
Materials and components for construction.....	00/82	ID6	12	306.557	306.453	307.644	312.142	317.073
Materials for construction.....		ID6	121	154.790	149.990	148.571	150.146	151.915
Components for construction.....		ID6	122	148.856	152.493	154.641	157.366	160.320
Processed fuels and lubricants for intermediate demand.....	00/82	ID6	13	213.642	212.368	216.796	232.496	240.902
Processed fuels and lubricants to manufacturing industries.....	00/82	ID6	131	223.581	222.702	226.061	237.910	239.943
Processed fuels and lubricants to nonmanufacturing industries.....	00/82	ID6	132	210.763	209.356	214.142	231.128	241.633
Containers for intermediate demand.....	00/82	ID6	14	260.146	263.029	265.868	272.485	274.819

See footnotes at end of table.

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

[November 2021, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	July 2021	Aug. 2021 ^P	Sept. 2021 ^P	Oct. 2021 ^P	Nov. 2021 ^P
Supplies for intermediate demand.....	00/82	ID6	15	224.166	226.185	227.988	229.541	231.202
Supplies to manufacturing industries.....	00/82	ID6	151	220.597	223.737	225.937	229.410	231.499
Supplies to nonmanufacturing industries.....	00/82	ID6	152	222.939	224.764	226.490	227.727	229.307
Supplies to nonmanufacturing industries, feeds.....	00/82	ID6	1521	223.427	223.547	225.244	219.399	218.052
Supplies to nonmanufacturing industries, other than feeds.....	00/82	ID6	1522	224.665	226.677	228.418	230.377	232.263
Unprocessed goods								
Unprocessed goods for intermediate demand.....	00/82	ID6	2	246.455	250.895	257.606	271.677	284.624
Unprocessed foodstuffs and feedstuffs.....	00/82	ID6	21	201.529	209.635	211.579	204.897	203.406
Unprocessed nonfood materials.....	00/82	ID6	22	267.271	268.832	278.686	306.216	328.083
Unprocessed nonfood materials except fuel.....	00/82	ID6	221	332.841	325.288	326.723	343.840	358.077
Unprocessed nonfood materials except fuel to manufacturing industries.....	00/82	ID6	2211	310.871	303.421	304.771	321.489	335.283
Unprocessed nonfood materials except fuel to nonmanufacturing industries.....	00/82	ID6	2212	290.035	291.608	292.652	292.828	295.211
Unprocessed fuel.....	00/82	ID6	222	161.987	175.114	194.982	233.481	263.242
Unprocessed fuel to manufacturing industries.....	00/82	ID6	2221	178.346	182.961	192.947	203.584	215.620
Unprocessed fuel to nonmanufacturing industries.....	00/82	ID6	2222	165.642	179.655	200.685	241.971	273.655
Services								
Services for intermediate demand.....		ID6	3	132.003	132.096	132.830	132.978	133.800
Trade services for intermediate demand ⁵		ID6	33	154.451	155.063	155.709	156.055	155.995
Trade services for manufacturing industries.....	12/12	ID6	331	141.103	142.838	143.354	143.978	143.860
Trade services for nonmanufacturing industries.....	12/12	ID6	332	137.422	136.788	137.438	137.439	137.447
Transportation and warehousing services for intermediate demand.....		ID6	32	140.467	141.578	143.592	145.003	145.970
Transportation of passengers for intermediate demand.....		ID6	321	115.521	117.234	107.009	105.508	110.697
Transportation of passengers for manufacturing industries.....		ID6	3211	115.242	116.992	106.481	104.971	110.297
Transportation of passengers for nonmanufacturing industries.....		ID6	3212	115.612	117.321	107.130	105.630	110.803
Transportation and warehousing of goods for intermediate demand.....		ID6	322	143.168	144.216	147.522	149.241	149.764
Transportation and warehousing of goods for manufacturing industries.....	12/12	ID6	3221	117.122	117.821	119.000	120.935	121.912
Transportation and warehousing of goods for nonmanufacturing industries.....	12/12	ID6	3222	128.385	129.369	132.765	134.157	134.470
Services less trade, transportation, and warehousing for intermediate demand.....		ID6	31	124.431	124.203	124.739	124.612	125.654
Services less trade, transportation, and warehousing for manufacturing industries.....		ID6	311	115.956	116.177	116.513	117.837	118.270
Services less trade, transportation, and warehousing for nonmanufacturing industries.....		ID6	312	124.703	124.459	125.002	124.824	125.887
Construction								
Construction for intermediate demand.....		ID6	4	125.994	126.511	129.880	130.829	131.843
Intermediate Demand by Commodity Type Special Groupings								
Processed materials less foods and feeds.....	00/82	ID6	9111	235.743	237.689	240.202	246.820	250.970
Processed foods and feeds.....	00/82	ID6	9112	222.816	226.224	230.034	227.533	227.163
Processed energy goods.....	00/82	ID6	9113	214.634	213.354	217.802	233.572	242.014
Processed materials less energy.....	00/82	ID6	9118	236.748	239.636	241.771	245.054	247.604
Processed materials less foods and energy.....	00/82	ID6	9115	237.979	240.798	242.728	246.686	249.577
Intermediate distributive services ⁶	04/10	ID6	9116	147.563	148.318	149.897	150.724	150.872
Processed goods plus intermediate distributive services.....	04/10	ID6	9117	132.921	133.950	135.418	137.977	139.524
Unprocessed materials less agricultural products.....	00/82	ID6	9211	266.325	267.230	280.719	311.861	334.566
Unprocessed energy materials ⁷	00/82	ID6	9212	192.896	193.323	208.622	244.481	265.713
Unprocessed materials less energy.....	00/82	ID6	9213	270.527	278.547	277.526	271.058	274.911
Unprocessed nonfood materials less energy ⁸	00/82	ID6	9216	481.677	488.698	477.658	469.879	490.832
Intermediate Demand by Production Flow								
Stage 4 Intermediate Demand								
Stage 4 intermediate demand.....		ID5	4	133.224	133.927	134.656	135.549	136.929
Inputs to stage 4 goods producers.....		ID5	41	131.566	133.176	133.831	135.343	136.504
Goods.....		ID5	411	126.411	128.287	129.088	130.585	132.088
Foods.....		ID5	4111	135.965	140.296	138.210	136.993	140.431
Energy.....		ID5	4112	131.839	128.080	130.858	136.973	140.608
Goods excluding foods and energy.....		ID5	4113	124.967	126.524	127.742	129.606	130.801
Services.....		ID5	412	148.472	149.373	149.635	151.223	151.456
Trade services.....		ID5	4123	157.725	158.840	159.202	160.921	161.005
Transportation and warehousing services.....		ID5	4122	123.484	124.440	123.678	124.817	126.520
Transportation of passengers.....		ID5	41221	115.249	117.001	106.480	104.969	110.300
Transportation and warehousing of goods.....		ID5	41222	133.274	134.138	135.235	136.969	138.079
Services less trade, transportation, and warehousing.....		ID5	4121	118.087	118.141	118.321	119.516	119.872
Inputs to stage 4 services producers.....		ID5	42	130.897	131.302	132.074	132.301	133.632
Goods.....		ID5	421	129.249	130.117	131.309	132.727	134.492
Foods.....		ID5	4211	138.478	141.312	144.561	141.999	141.567

See footnotes at end of table.

Table 3. Producer price indexes for Final Demand-Intermediate Demand groupings, seasonally adjusted — Continued
 [November 2021, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	July 2021	Aug. 2021 ^P	Sept. 2021 ^P	Oct. 2021 ^P	Nov. 2021 ^P
Energy.....		ID5	4212	119.777	119.791	121.017	125.175	129.488
Goods excluding foods and energy.....		ID5	4213	131.081	131.826	132.399	133.514	134.562
Services.....		ID5	422	131.369	131.606	132.221	132.016	133.189
Trade services.....		ID5	4223	138.881	140.036	140.752	142.220	141.870
Transportation and warehousing services.....		ID5	4222	131.385	132.799	134.353	135.775	136.446
Transportation of passengers.....		ID5	42221	114.935	116.668	106.277	104.775	110.043
Transportation and warehousing of goods.....		ID5	42222	134.788	136.147	139.903	141.867	141.693
Services less trade, transportation, and warehousing.....		ID5	4221	129.834	129.830	130.334	129.747	131.166
Construction.....		ID5	423	125.994	126.511	129.880	130.829	131.843
Inputs to stage 4 construction producers.....		ID5	43	144.848	144.526	145.248	147.286	149.383
Goods.....		ID5	431	145.513	144.949	145.812	148.466	151.476
Energy.....		ID5	4312	133.347	132.826	136.704	147.439	155.059
Goods excluding foods and energy.....		ID5	4313	150.086	149.504	150.093	152.021	154.650
Services.....		ID5	432	142.572	142.827	143.211	143.767	143.675
Trade services.....		ID5	4323	163.898	164.090	164.441	164.275	163.284
Transportation and warehousing services.....		ID5	4322	135.466	136.516	137.816	140.226	141.696
Transportation of passengers.....		ID5	43221	120.178	121.999	111.062	109.489	115.031
Transportation and warehousing of goods.....		ID5	43222	136.558	137.593	139.227	141.755	143.124
Services less trade, transportation, and warehousing.....		ID5	4321	120.352	120.392	120.487	121.140	121.440
Stage 3 Intermediate Demand								
Stage 3 intermediate demand.....		ID5	3	134.832	136.058	137.581	139.092	139.929
Inputs to stage 3 goods producers.....		ID5	31	148.027	151.317	152.874	153.794	154.475
Goods.....		ID5	311	145.072	148.599	150.272	151.264	152.058
Foods.....		ID5	3111	148.847	154.313	155.773	150.688	146.924
Energy.....		ID5	3112	124.975	123.089	126.516	134.697	145.386
Goods excluding foods and energy.....		ID5	3113	148.213	151.265	152.969	156.362	158.385
Services.....		ID5	312	149.522	151.543	152.482	153.087	153.250
Trade services.....		ID5	3123	157.626	160.587	161.746	161.209	160.638
Transportation and warehousing services.....		ID5	3122	135.315	136.257	137.049	139.222	140.644
Transportation of passengers.....		ID5	31221	122.720	124.583	113.390	111.782	117.453
Transportation and warehousing of goods.....		ID5	31222	135.822	136.708	138.195	140.584	141.757
Services less trade, transportation, and warehousing.....		ID5	3121	118.654	118.913	119.171	120.897	121.409
Inputs to stage 3 services producers.....		ID5	32	123.754	123.392	124.965	127.005	127.988
Goods.....		ID5	321	108.110	107.840	109.507	116.585	118.328
Foods.....		ID5	3211	139.748	139.810	142.129	142.232	143.529
Energy.....		ID5	3212	105.418	104.333	106.842	117.683	119.725
Goods excluding foods and energy.....		ID5	3213	120.801	121.880	122.246	123.710	125.100
Services.....		ID5	322	128.355	127.945	129.440	129.914	130.654
Trade services.....		ID5	3223	163.486	164.353	167.680	166.807	166.554
Transportation and warehousing services.....		ID5	3222	150.224	151.241	155.641	156.585	156.912
Transportation of passengers.....		ID5	32221	101.234	101.462	102.068	101.134	101.105
Transportation and warehousing of goods.....		ID5	32222	150.670	151.692	156.114	157.068	157.396
Services less trade, transportation, and warehousing.....		ID5	3221	120.888	120.010	120.624	121.074	121.998
Construction.....		ID5	323	125.994	126.511	129.880	130.829	131.843
Inputs to stage 3 construction producers.....		ID5	33	139.181	134.128	132.837	133.792	133.977
Goods.....		ID5	331	125.712	122.513	122.125	124.313	126.144
Energy.....				-	-	-	-	-
Goods excluding foods and energy.....		ID5	3313	160.187	156.111	155.617	158.405	160.737
Services.....		ID5	332	170.536	163.155	160.895	160.917	159.706
Trade services.....		ID5	3323	176.908	168.848	166.344	166.208	164.840
Transportation and warehousing services.....		ID5	3322	99.843	100.171	100.956	102.287	103.021
Transportation and warehousing of goods.....		ID5	33222	105.388	105.735	106.563	107.968	108.742
Services less trade, transportation, and warehousing.....		ID5	3321	109.433	109.886	110.325	112.733	113.343
Stage 2 Intermediate Demand								
Stage 2 intermediate demand.....		ID5	2	123.859	124.527	127.209	131.830	135.162
Inputs to stage 2 goods producers.....		ID5	21	117.477	118.496	122.151	130.179	135.210
Goods.....		ID5	211	117.167	118.198	122.644	132.747	139.119
Foods.....		ID5	2111	153.536	154.763	153.600	147.976	146.712
Energy.....		ID5	2112	86.793	87.050	94.246	110.353	119.210
Goods excluding foods and energy.....		ID5	2113	140.837	142.881	143.318	145.401	148.326
Services.....		ID5	212	129.744	130.836	131.768	132.831	133.320
Trade services.....		ID5	2123	145.021	147.465	148.854	149.848	150.110
Transportation and warehousing services.....		ID5	2122	149.058	149.690	150.198	151.694	152.628
Transportation of passengers.....		ID5	21221	116.565	118.234	108.364	106.867	111.889
Transportation and warehousing of goods.....		ID5	21222	150.973	151.536	152.728	154.419	155.085
Services less trade, transportation, and warehousing.....		ID5	2121	115.331	115.128	115.950	116.934	117.445
Construction.....		ID5	213	125.994	126.511	129.880	130.829	131.843
Inputs to stage 2 services producers.....		ID5	22	127.705	127.900	129.245	129.381	130.442

See footnotes at end of table.

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

[November 2021, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	July 2021	Aug. 2021 ^P	Sept. 2021 ^P	Oct. 2021 ^P	Nov. 2021 ^P
Goods.....		ID5	221	129.187	130.445	131.660	133.978	136.195
Foods.....		ID5	2211	119.190	118.954	119.236	118.500	118.938
Energy.....		ID5	2212	135.156	133.869	138.022	155.605	171.872
Goods excluding foods and energy.....		ID5	2213	129.182	130.610	131.652	133.051	134.416
Services.....		ID5	222	127.277	127.303	128.580	128.364	129.257
Trade services.....		ID5	2223	151.062	153.265	156.601	152.879	157.118
Transportation and warehousing services.....		ID5	2222	150.318	152.526	157.244	157.404	157.675
Transportation of passengers.....		ID5	22221	115.772	117.514	107.074	105.562	110.855
Transportation and warehousing of goods.....		ID5	22222	157.364	159.667	167.351	167.842	167.152
Services less trade, transportation, and warehousing.....		ID5	2221	125.466	125.198	126.108	126.072	126.819
Construction.....		ID5	223	125.994	126.511	129.880	130.829	131.843
Stage 1 Intermediate Demand								
Stage 1 intermediate demand.....		ID5	1	132.877	133.629	134.011	135.574	137.553
Inputs to stage 1 goods producers.....		ID5	11	139.269	141.785	142.076	144.318	147.508
Goods.....		ID5	111	139.126	141.749	142.103	145.170	149.511
Foods.....		ID5	1111	153.154	158.827	152.897	148.170	152.056
Energy.....		ID5	1112	111.862	110.297	112.692	122.699	132.438
Goods excluding foods and energy.....		ID5	1113	146.793	149.958	150.905	153.730	156.982
Services.....		ID5	112	143.266	145.555	145.681	145.739	145.879
Trade services.....		ID5	1123	158.463	162.153	162.201	161.876	161.402
Transportation and warehousing services.....		ID5	1122	129.774	130.156	129.465	132.093	133.872
Transportation of passengers.....		ID5	11221	115.227	116.978	106.459	104.949	110.279
Transportation and warehousing of goods.....		ID5	11222	131.966	131.995	133.818	137.471	138.323
Services less trade, transportation, and warehousing.....		ID5	1121	102.639	102.880	103.206	103.449	104.213
Construction.....		ID5	113	125.994	126.511	129.880	130.829	131.843
Inputs to stage 1 services producers.....		ID5	12	128.115	128.303	128.789	129.853	131.438
Goods.....		ID5	121	124.166	124.643	125.958	130.000	131.427
Foods.....		ID5	1211	99.317	99.758	101.714	102.674	104.715
Energy.....		ID5	1212	132.621	131.459	133.522	143.556	145.608
Goods excluding foods and energy.....		ID5	1213	127.074	128.375	129.395	130.763	131.962
Services.....		ID5	122	129.833	129.875	129.945	129.514	131.175
Trade services.....		ID5	1223	147.774	148.273	149.981	149.761	150.460
Transportation and warehousing services.....		ID5	1222	124.139	125.132	123.939	124.775	127.090
Transportation of passengers.....		ID5	12221	115.160	116.910	106.398	104.890	110.215
Transportation and warehousing of goods.....		ID5	12222	142.266	142.932	146.920	149.179	150.022
Services less trade, transportation, and warehousing.....		ID5	1221	127.477	127.340	127.383	126.764	128.439
Construction.....		ID5	123	125.994	126.511	129.880	130.829	131.843
Inputs to stage 1 construction producers.....		ID5	13	147.497	145.996	146.190	148.269	148.850
Goods.....		ID5	131	140.660	140.973	141.918	145.162	146.311
Energy.....		ID5	1312	118.363	116.554	119.064	133.024	130.369
Goods excluding foods and energy.....		ID5	1313	145.799	146.393	147.150	149.049	150.712
Services.....		ID5	132	161.020	155.939	154.650	154.430	153.891
Trade services.....		ID5	1323	171.068	164.662	162.754	161.955	161.048
Transportation and warehousing services.....		ID5	1322	111.943	112.820	114.373	116.828	117.990
Transportation and warehousing of goods.....		ID5	13222	115.790	116.698	118.304	120.844	122.045
Services less trade, transportation, and warehousing.....		ID5	1321	121.378	121.439	121.583	122.141	122.188
Intermediate Demand by Production Flow Special Groupings								
Total goods inputs to stage 4 intermediate demand.....	04/10	ID5	9411	128.371	129.452	130.364	132.027	133.864
Total services inputs to stage 4 intermediate demand.....	04/10	ID5	9412	134.410	134.757	135.293	135.443	136.358
Total construction inputs to stage 4 intermediate demand.....	04/10	ID5	9413	124.950	125.463	128.804	129.745	130.750
Total foods inputs to stage 4 intermediate demand.....	04/10	ID5	9414	133.981	137.596	137.765	136.018	137.777
Total energy goods inputs to stage 4 intermediate demand.....	04/10	ID5	9415	112.255	112.069	113.632	118.473	122.893
Total goods less foods and energy inputs to stage 4 intermediate demand.....	04/10	ID5	9416	130.958	131.846	132.776	134.481	135.961
Total goods inputs to stage 3 intermediate demand.....	04/10	ID5	9311	128.727	131.117	132.688	135.118	136.116
Total services inputs to stage 3 intermediate demand.....	04/10	ID5	9312	131.333	131.264	132.589	133.075	133.676
Total construction inputs to stage 3 intermediate demand.....	04/10	ID5	9313	124.950	125.463	128.804	129.745	130.750
Total foods inputs to stage 3 intermediate demand.....	04/10	ID5	9314	132.413	137.242	138.547	134.054	130.743
Total energy goods inputs to stage 3 intermediate demand.....	04/10	ID5	9315	106.448	105.255	107.862	118.044	121.460
Total goods less foods and energy inputs to stage 3 intermediate demand.....	04/10	ID5	9316	138.037	140.552	141.949	144.902	146.750
Total goods inputs to stage 2 intermediate demand.....	04/10	ID5	9211	112.691	113.695	117.615	126.472	132.131
Total services inputs to stage 2 intermediate demand.....	04/10	ID5	9212	128.295	128.562	129.766	129.838	130.643
Total construction inputs to stage 2 intermediate demand.....	04/10	ID5	9213	124.950	125.463	128.804	129.745	130.750
Total foods inputs to stage 2 intermediate demand.....	04/10	ID5	9214	154.004	155.220	154.068	148.470	147.220
Total energy goods inputs to stage 2 intermediate demand.....	04/10	ID5	9215	85.523	85.756	92.766	108.551	117.307
Total goods less foods and energy inputs to stage 2 intermediate demand.....	04/10	ID5	9216	130.283	132.078	132.620	134.437	136.858
Total goods inputs to stage 1 intermediate demand.....	04/10	ID5	9111	119.360	120.706	121.400	124.454	126.966
Total services inputs to stage 1 intermediate demand.....	04/10	ID5	9112	133.778	133.817	133.786	133.466	134.656

See footnotes at end of table.

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

[November 2021, Index base Nov. 2009=100, unless otherwise indicated]

Grouping	Other index base	Commodity code		Seasonally adjusted index ¹				
		Group code	Item code	July 2021	Aug. 2021 ^p	Sept. 2021 ^p	Oct. 2021 ^p	Nov. 2021 ^p
Total construction inputs to stage 1 intermediate demand.	04/10	ID5	9117	124.950	125.463	128.804	129.745	130.750
Total foods inputs to stage 1 intermediate demand.	04/10	ID5	9114	143.016	148.244	142.831	138.503	142.122
Total energy goods inputs to stage 1 intermediate demand.	04/10	ID5	9115	118.845	117.529	119.669	129.628	133.985
Total goods less foods and energy inputs to stage 1 intermediate demand.	04/10	ID5	9116	116.293	117.991	118.766	120.561	122.437

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

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

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

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

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

⁶ Includes intermediate trade, transportation, and warehousing services.

⁷ Includes crude petroleum.

⁸ Excludes crude petroleum.

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"-" Data not available.