

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| <b>Goods</b>                                      |            |  |                               |   |                                |
| Farm products                                     | 01         | 2.57                                   | 0.00                          | 27.23                                   | 0.00                           |
| Fruits & melons, fresh/dry vegs. & nuts           | 011        | 7.01                                   | 0.00                          | 7.93                                    | 0.00                           |
| Fresh fruits and melons                           | 0111       | 3.47                                   | 0.00                          | 9.25                                    | 0.00                           |
| Citrus fruits                                     | 011101     | 4.12                                   | 0.00                          | 10.22                                   | 0.00                           |
| Other fruits and berries                          | 011102     | 6.52                                   | 0.00                          | 10.27                                   | 0.00                           |
| Fresh and dry vegetables                          | 0113       | 10.02                                  | 0.00                          | 12.95                                   | 0.00                           |
| Dry vegetables                                    | 011301     | 5.68                                   | 0.00                          | 20.99                                   | 0.00                           |
| Fresh vegetables, except potatoes                 | 011302     | 12.23                                  | 0.00                          | 14.48                                   | 0.00                           |
| Sweet potatoes                                    | 011303     | 0.78                                   | 0.00                          | 9.43                                    | 0.00                           |
| Potatoes  | 011306     | 2.91                                   | 0.00                          | 23.69                                   | 0.00                           |
| Tree nuts   | 0119       | 0.48                                   | 0.00                          | 20.53                                   | 0.00                           |
| Tree nuts   | 011901     | 0.48                                   | 0.00                          | 20.53                                   | 0.00                           |
| Grains  | 012        | 6.16                                   | 0.00                          | 49.39                                   | 0.00                           |
| Wheat   | 0121       | 4.03                                   | 0.00                          | 47.43                                   | 0.00                           |
| Wheat   | 012101     | 4.03                                   | 0.00                          | 47.43                                   | 0.00                           |
| Other grains                                      | 0122       | 7.18                                   | 0.00                          | 50.62                                   | 0.00                           |
| Barley  | 012201     | 4.72                                   | 0.00                          | 32.69                                   | 0.00                           |
| Corn  | 012202     | 7.39                                   | 0.00                          | 50.55                                   | 0.00                           |
| Oats  | 012203     | 5.60                                   | 0.00                          | 26.55                                   | 0.00                           |
| Sorghum   | 012205     | 7.36                                   | 0.00                          | 103.42                                  | 0.00                           |
| Rough rice  | 0123       | 1.51                                   | 0.00                          | 3.68                                    | 0.00                           |
| Rough rice  | 012301     | 1.51                                   | 0.00                          | 3.68                                    | 0.00                           |
| Livestock   | 013        | 2.87                                   | 0.00                          | 20.50                                   | 0.00                           |
| Slaughter cattle                                  | 0131       | 1.67                                   | 0.00                          | 15.76                                   | 0.00                           |
| Slaughter steers and heifers                      | 013101     | 2.20                                   | 0.00                          | 17.74                                   | 0.00                           |
| Slaughter cows and bulls                          | 013102     | 4.38                                   | 0.00                          | 6.15                                    | 0.00                           |
| Slaughter vealers                                 | 013103     | 1.69                                   | 0.00                          | 16.61                                   | 0.00                           |
| Slaughter hogs                                    | 0132       | 9.41                                   | 0.00                          | 47.79                                   | 0.00                           |
| Slaughter barrows and gilts                       | 013201     | 9.48                                   | 0.00                          | 44.98                                   | 0.00                           |
| Slaughter sows                                    | 013202     | 21.38                                  | 0.00                          | 139.33                                  | 0.00                           |
| Slaughter lambs                                   | 0133       | 7.55                                   | 0.00                          | 35.17                                   | 0.00                           |
| Slaughter lambs                                   | 013301     | 7.55                                   | 0.00                          | 35.17                                   | 0.00                           |
| Slaughter poultry                                 | 014        | 2.00                                   | 0.00                          | 47.66                                   | 0.00                           |
| Slaughter chickens                                | 0141       | 1.69                                   | 0.00                          | 58.70                                   | 0.00                           |
| Broilers and other meat type chickens             | 014102     | 1.69                                   | 0.00                          | 58.70                                   | 0.00                           |
| Slaughter turkeys                                 | 0142       | 2.38                                   | 0.00                          | 14.09                                   | 0.00                           |
| Slaughter turkeys                                 | 014201     | 2.38                                   | 0.00                          | 14.09                                   | 0.00                           |
| Slaughter ducks                                   | 0143       | 0.00                                   | 0.00                          | 1.22                                    | 0.00                           |
| Slaughter ducks                                   | 014301     | 0.00                                   | 0.00                          | 1.22                                    | 0.00                           |
| Raw cotton  | 015        | 6.02                                   | 0.00                          | 49.05                                   | 0.00                           |
| Raw cotton  | 0151       | 6.02                                   | 0.00                          | 49.05                                   | 0.00                           |
| Raw cotton  | 015101     | 6.02                                   | 0.00                          | 49.05                                   | 0.00                           |
| Raw milk  | 016        | 4.26                                   | 0.00                          | 7.69                                    | 0.00                           |
| Raw milk  | 0161       | 4.26                                   | 0.00                          | 7.69                                    | 0.00                           |
| Raw milk  | 016101     | 4.26                                   | 0.00                          | 7.69                                    | 0.00                           |
| Chicken eggs                                      | 017        | 12.33                                  | 0.00                          | 22.68                                   | 0.00                           |
| Chicken eggs                                      | 0171       | 12.33                                  | 0.00                          | 22.68                                   | 0.00                           |
| Eggs for fresh use                                | 017107     | 11.22                                  | 0.00                          | 18.04                                   | 0.00                           |
| Breaker stock and checks and undergrades          | 017108     | 10.75                                  | 0.00                          | 53.71                                   | 0.00                           |
| Hay, hayseeds, and oilseeds                       | 018        | 3.81                                   | 0.00                          | 48.29                                   | 0.00                           |
| Hay and hayseeds                                  | 0181       | 5.49                                   | 0.00                          | 17.30                                   | 0.00                           |
| Hay and hayseeds                                  | 018101     | 5.49                                   | 0.00                          | 17.30                                   | 0.00                           |
| Oilseeds  | 0183       | 3.73                                   | 0.00                          | 57.77                                   | 0.00                           |
| Oilseeds  | 018301     | 3.73                                   | 0.00                          | 57.77                                   | 0.00                           |
| Processed foods and feeds                         | 02         | 1.31                                   | 0.29                          | 10.67                                   | 0.76                           |
| Cereal and bakery products                        | 021        | 0.85                                   | 0.27                          | 3.54                                    | 0.77                           |
| Bakery products                                   | 0211       | 0.29                                   | 0.30                          | 0.70                                    | 0.92                           |
| Bread (white, wheat, rye, etc.), including frozen | 021102     | 0.41                                   | 0.46                          | 1.88                                    | 2.10                           |

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| Index  | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|--|------------|--|-------------------------------|---|--------------------------------|
| Rolls (bread-type), muffins, bagels, and croissants  | 021105     | 0.66                                   | 0.58                          | 4.29                                    | 2.26                           |
| Other sweet goods, excluding frozen  | 021107     | 0.62                                   | 0.57                          | 2.49                                    | 1.13                           |
| Soft cakes, excluding frozen   | 021108     | 0.96                                   | 0.68                          | 6.58                                    | 1.86                           |
| Cookies, crackers, and related products  | 021121     | 0.01                                   | 0.04                          | 1.07                                    | 0.68                           |
| Retail bakery products   | 021130     | 0.28                                   | 0.48                          | 2.57                                    | 1.01                           |
| Flour and flour base mixes and doughs  | 0212       | 1.58                                   | 0.62                          | 10.00                                   | 1.35                           |
| Wheat flour  | 021203     | 2.05                                   | 1.08                          | 17.46                                   | 2.40                           |
| Flour base mixes and doughs  | 021204     | 0.65                                   | 0.31                          | 3.25                                    | 1.35                           |
| Milled rice and byproducts   | 0213       | 0.74                                   | 0.29                          | 2.67                                    | 1.10                           |
| Head rice  | 021301     | 0.77                                   | 0.34                          | 2.21                                    | 1.30                           |
| Milled rice (incl second heads, screenings, brewers, bran, sharps, rice flour, and byproducts) | 021302     | 0.46                                   | 0.50                          | 5.85                                    | 2.21                           |
| Cereal and pasta products  | 0214       | 0.54                                   | 0.53                          | 7.17                                    | 1.12                           |
| Dry macaroni, spaghetti, and egg noodle products, made from purchased flour                    | 021402     | 1.47                                   | 1.61                          | 1.26                                    | 2.54                           |
| Cereal and mill products, other than flour   | 021409     | 0.55                                   | 0.53                          | 8.49                                    | 1.28                           |
| Meats, poultry, and fish   | 022        | 4.61                                   | 1.01                          | 24.31                                   | 2.92                           |
| Meats  | 0221       | 5.98                                   | 1.27                          | 22.73                                   | 3.80                           |
| Beef and veal products, fresh or frozen  | 022101     | 8.17                                   | 2.44                          | 36.35                                   | 8.26                           |
| Lamb/mutton, fresh or frozen, not canned or made into sausage, made in slaughtering plants     | 022103     | 1.73                                   | 1.41                          | 7.82                                    | 7.00                           |
| Pork products, fresh, frozen, or processed, except sausage                                     | 022104     | 3.14                                   | 1.73                          | 14.21                                   | 5.06                           |
| Other meats, fresh, frozen, or canned  | 022105     | 1.43                                   | 0.85                          | 10.66                                   | 2.92                           |
| Processed poultry  | 0222       | 3.00                                   | 1.99                          | 22.07                                   | 5.27                           |
| Young chickens, including bulk, chilled, frozen, whole, and in parts                           | 022203     | 2.84                                   | 1.32                          | 29.44                                   | 4.12                           |
| Turkeys, including frozen, whole, and in parts   | 022206     | 2.37                                   | 1.51                          | 32.29                                   | 12.19                          |
| Canned, cooked, smoked or prepared poultry   | 022208     | 3.92                                   | 6.18                          | 13.72                                   | 15.23                          |
| Chicken hens and other poultry/small game  | 022209     | 0.86                                   | 2.57                          | 25.30                                   | 54.27                          |
| Unprocessed and prepared seafood   | 0223       | 2.77                                   | 0.41                          | 15.96                                   | 1.40                           |
| Unprocessed finfish  | 022301     | 12.19                                  | 0.00                          | 21.93                                   | 0.00                           |
| Canned seafood (including soups, stews, and chowders)  | 022304     | 0.19                                   | 0.73                          | 4.80                                    | 3.49                           |
| Unprocessed shellfish  | 022305     | 3.25                                   | 0.00                          | 31.94                                   | 0.00                           |
| Prepared fresh and frozen seafood  | 022306     | 0.99                                   | 0.82                          | 11.14                                   | 2.62                           |
| Dairy products   | 023        | 1.03                                   | 0.28                          | 2.32                                    | 0.98                           |
| Fluid milk products  | 0231       | 0.97                                   | 0.16                          | 4.90                                    | 0.67                           |
| Packaged fluid milk and related products   | 023103     | 0.97                                   | 0.15                          | 3.60                                    | 0.78                           |
| Cottage cheese   | 023104     | 0.75                                   | 0.37                          | 5.72                                    | 1.76                           |
| Other milk products  | 023105     | 0.43                                   | 0.16                          | 1.25                                    | 0.52                           |
| Bulk fluid milk and cream  | 023106     | 2.05                                   | 0.63                          | 12.69                                   | 3.17                           |
| Butter   | 0232       | 4.35                                   | 1.17                          | 22.34                                   | 1.59                           |
| Butter   | 023201     | 4.35                                   | 1.17                          | 22.34                                   | 1.59                           |
| Natural, processed, and imitation cheese   | 0233       | 1.40                                   | 0.58                          | 7.62                                    | 1.39                           |
| Natural cheese, except cottage cheese  | 023302     | 1.05                                   | 0.54                          | 7.23                                    | 1.47                           |
| Processed cheese and related products  | 023303     | 2.51                                   | 1.65                          | 5.45                                    | 3.80                           |
| Cheese substitutes and imitations  | 023304     | 0.00                                   | 0.00                          | 6.53                                    | 3.85                           |
| Raw liquid whey  | 023307     | 2.38                                   | 3.02                          | 52.47                                   | 13.77                          |
| Ice cream and frozen desserts  | 0234       | 0.35                                   | 0.23                          | 0.95                                    | 0.92                           |
| Ice cream and frozen desserts  | 023402     | 0.35                                   | 0.23                          | 0.95                                    | 0.92                           |
| Dry, condensed, and evaporated milk products   | 0235       | 1.54                                   | 0.95                          | 17.48                                   | 4.19                           |
| Dry milk products, including feed grade  | 023502     | 1.40                                   | 1.11                          | 24.32                                   | 4.05                           |
| Liquid milk products   | 023503     | 0.73                                   | 1.48                          | 4.29                                    | 7.28                           |
| Ice cream mixes and related products   | 023505     | 1.16                                   | 0.99                          | 15.25                                   | 4.73                           |
| Processed fruits and vegetables  | 024        | 0.30                                   | 0.20                          | 2.99                                    | 0.48                           |
| Canned fruits and juices   | 0241       | 0.54                                   | 0.36                          | 2.97                                    | 0.86                           |
| Canned fruits, excluding baby foods  | 024101     | 0.81                                   | 0.66                          | 4.86                                    | 1.77                           |
| Canned and fresh fruit juices, nectars, and concentrates                                       | 024102     | 0.37                                   | 0.32                          | 2.05                                    | 1.07                           |
| Frozen fruits, juices and ades   | 0242       | 1.10                                   | 0.77                          | 18.75                                   | 3.38                           |
| Frozen fruits  | 024202     | 1.39                                   | 0.63                          | 21.54                                   | 5.75                           |
| Canned vegetables and juices   | 0244       | 0.49                                   | 0.38                          | 1.85                                    | 0.69                           |
| Canned vegetables and juices   | 024401     | 0.49                                   | 0.38                          | 1.85                                    | 0.69                           |
| Frozen vegetables  | 0245       | 0.21                                   | 0.32                          | 1.74                                    | 0.74                           |
| Frozen potato products (French-fried, patties, puffs, etc.)                                    | 024502     | 0.18                                   | 0.21                          | 0.45                                    | 1.02                           |
| Frozen vegetables, other than potato products  | 024505     | 0.36                                   | 0.41                          | 3.97                                    | 0.99                           |

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| Index  | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|--|------------|--|-------------------------------|---|--------------------------------|
| Dried and dehydrated food  | 0248       | 0.47                                   | 0.34                          | 0.98                                    | 1.49                           |
| Dried and dehydrated food  | 024801     | 0.47                                   | 0.34                          | 0.98                                    | 1.49                           |
| Sugar and confectionery  | 025        | 0.46                                   | 0.33                          | 2.42                                    | 1.90                           |
| Raw cane sugar and sugar cane mill products and byproducts                                     | 0252       | 0.66                                   | 0.62                          | 2.53                                    | 2.06                           |
| Raw cane sugar and sugarcane mill products and byproducts                                      | 025201     | 0.66                                   | 0.62                          | 2.53                                    | 2.06                           |
| Refined sugar products and byproducts  | 0253       | 0.49                                   | 0.36                          | 3.99                                    | 2.72                           |
| Refined sugar products and byproducts  | 025307     | 0.49                                   | 0.36                          | 3.99                                    | 2.72                           |
| Confectionery materials  | 0254       | 0.77                                   | 1.13                          | 5.14                                    | 2.39                           |
| Confectionery materials  | 025401     | 0.77                                   | 1.13                          | 5.14                                    | 2.39                           |
| Confectionery end products   | 0255       | 0.41                                   | 0.25                          | 3.85                                    | 2.89                           |
| Candy and nuts   | 025503     | 0.44                                   | 0.23                          | 4.09                                    | 3.05                           |
| Beverages and beverage materials   | 026        | 0.34                                   | 0.25                          | 1.51                                    | 0.72                           |
| Alcoholic beverages  | 0261       | 0.22                                   | 0.33                          | 0.62                                    | 1.33                           |
| Malt beverages   | 026101     | 0.23                                   | 0.21                          | 0.58                                    | 0.95                           |
| Distilled and bottled liquor, excluding brandy   | 026102     | 0.56                                   | 1.16                          | 4.89                                    | 4.34                           |
| Wines, brandy, and brandy spirits  | 026104     | 0.05                                   | 0.06                          | 0.87                                    | 1.17                           |
| Soft drinks  | 0262       | 0.51                                   | 0.38                          | 3.43                                    | 0.69                           |
| Soft drinks, non-carbonated and bottled water  | 026206     | 0.63                                   | 0.43                          | 2.17                                    | 1.33                           |
| Soft drinks, bottle/can, carbonated, all types   | 026210     | 0.42                                   | 0.47                          | 4.96                                    | 0.82                           |
| Packaged beverage materials  | 0263       | 0.35                                   | 0.77                          | 1.52                                    | 1.10                           |
| Coffee (whole bean, ground, & instant)   | 026301     | 0.43                                   | 0.72                          | 1.52                                    | 1.26                           |
| Tea in consumer packages, exc. canned ice tea  | 026303     | 0.08                                   | 0.07                          | 1.48                                    | 1.90                           |
| Other beverage materials   | 0264       | 0.12                                   | 0.31                          | 7.94                                    | 3.83                           |
| Other beverage materials   | 026401     | 0.12                                   | 0.31                          | 7.94                                    | 3.83                           |
| Fats and oils  | 027        | 2.57                                   | 1.19                          | 47.55                                   | 7.19                           |
| Shortening, cooking oil, and margarine   | 0278       | 2.64                                   | 0.88                          | 40.40                                   | 4.37                           |
| Shortening, cooking oil, and margarine   | 027801     | 2.64                                   | 0.88                          | 40.40                                   | 4.37                           |
| Other oilseed processing   | 027A       | 4.75                                   | 2.62                          | 60.19                                   | 34.27                          |
| Other oilseed processing   | 027A01     | 4.75                                   | 2.62                          | 60.19                                   | 34.27                          |
| Corn oil, crude and refined  | 027B       | 5.23                                   | 2.92                          | 88.29                                   | 15.28                          |
| Corn oil, made by wet milling  | 027B01     | 5.23                                   | 2.92                          | 88.29                                   | 15.28                          |
| Miscellaneous processed foods  | 028        | 0.32                                   | 0.30                          | 1.64                                    | 0.79                           |
| Canned jams, jellies, and preserves  | 0281       | 0.05                                   | 0.04                          | 0.32                                    | 0.30                           |
| Canned jams, jellies, and preserves  | 028101     | 0.05                                   | 0.04                          | 0.32                                    | 0.30                           |
| Pickles and other pickled products, including horseradish                                      | 0282       | 0.04                                   | 0.04                          | 3.26                                    | 1.42                           |
| Pickles and other pickled products   | 028201     | 0.04                                   | 0.04                          | 3.26                                    | 1.42                           |
| Processed eggs, liquid, dried, or frozen   | 0283       | 1.08                                   | 1.05                          | 5.91                                    | 11.03                          |
| Processed eggs (dried, frozen, or liquid)  | 028301     | 1.08                                   | 1.05                          |   |                                |
| Specialty canning  | 0284       | 0.22                                   | 0.21                          | 1.77                                    | 0.99                           |
| Specialty canning  | 028401     | 0.22                                   | 0.21                          | 1.77                                    | 0.99                           |
| Frozen specialty food  | 0285       | 0.34                                   | 0.30                          | 1.74                                    | 1.24                           |
| Frozen specialty food  | 028501     | 0.34                                   | 0.30                          | 1.74                                    | 1.24                           |
| Prepared sauces, except tomato   | 0286       | 0.17                                   | 0.10                          | 0.56                                    | 0.43                           |
| Prepared sauces, excluding tomato-based sauces and sauces comprised of 20 percent or more meat | 028601     | 0.17                                   | 0.10                          | 0.56                                    | 0.43                           |
| Other miscellaneous processed foods  | 0289       | 0.39                                   | 0.35                          | 1.86                                    | 0.98                           |
| Other miscellaneous processed foods  | 028901     | 0.39                                   | 0.35                          | 1.86                                    | 0.98                           |
| Prepared animal feeds  | 029        | 0.63                                   | 0.61                          | 15.58                                   | 2.97                           |
| Soybean cake, meal, and other byproducts   | 0292       | 0.91                                   | 1.69                          | 10.76                                   | 13.35                          |
| Soybean cake, meal, and byproducts   | 029201     | 0.91                                   | 1.69                          | 10.76                                   | 13.35                          |
| Formula feeds  | 0293       | 1.27                                   | 0.60                          | 19.64                                   | 2.42                           |
| Formula feeds  | 029301     | 1.27                                   | 0.60                          | 19.64                                   | 2.42                           |
| Miscellaneous feedstuffs   | 0294       | 1.26                                   | 0.77                          | 13.69                                   | 2.23                           |
| Pet food   | 029402     | 0.19                                   | 0.17                          | 3.94                                    | 0.75                           |
| Miscellaneous feedstuffs other than pet food   | 029403     | 2.91                                   | 1.82                          | 38.12                                   | 7.35                           |
|  |            |  |                               |   |                                |
| Textile products and apparel   | 03         | 1.11                                   | 0.28                          | 8.60                                    | 1.79                           |
| Synthetic fibers   | 031        | 1.40                                   | 0.92                          | 15.34                                   | 4.00                           |
| Unprocessed filament yarns   | 0315       | 1.40                                   | 0.92                          | 15.34                                   | 4.00                           |
| Noncellulosic fibers   | 031502     | 1.40                                   | 0.92                          | 15.34                                   | 4.00                           |
| Processed yarns and threads  | 032        | 1.78                                   | 0.42                          | 15.67                                   | 1.73                           |

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|---|------------|--|-------------------------------|---|--------------------------------|
| Yarns   | 0326       | 1.83                                   | 0.44                          | 16.14                                   | 1.79                           |
| Spun cotton yarns   | 032601     | 2.08                                   | 0.67                          | 26.39                                   | 5.23                           |
| Spun synthetic yarns  | 032603     | 1.64                                   | 0.90                          | 12.80                                   | 8.61                           |
| Textured and twisted yarns  | 032604     | 1.72                                   | 0.52                          | 11.94                                   | 2.02                           |
| Other spun noncellulosic and natural fiber (excluding cotton and wool) yarns                  | 032607     | 1.55                                   | 0.75                          | 10.62                                   | 3.56                           |
| Thread  | 0327       | 0.00                                   | 0.00                          | 0.71                                    | 0.06                           |
| Thread  | 032705     | 0.00                                   | 0.00                          | 0.71                                    | 0.06                           |
| Greige fabrics  | 033        | 0.82                                   | 0.32                          | 3.80                                    | 1.23                           |
| Greige broadwoven fabrics   | 0337       | 0.68                                   | 0.26                          | 5.32                                    | 1.06                           |
| Greige manmade, silk, and other natural fiber (exc cotton/wool) broadwoven fabrics            | 033703     | 0.88                                   | 0.31                          | 4.80                                    | 1.25                           |
| Greige knit fabrics   | 0338       | 0.63                                   | 0.50                          | 4.82                                    | 3.98                           |
| Weft (circular) knit fabrics, greige goods (excluding hosiery)                                | 033803     | 0.14                                   | 0.13                          | 2.26                                    | 1.62                           |
| Warp knit fabrics, greige goods (excluding hosiery)   | 033804     | 0.27                                   | 0.26                          | 9.73                                    | 1.45                           |
| Finished fabrics  | 034        | 1.11                                   | 0.44                          | 9.62                                    | 4.02                           |
| Finished broadwoven fabrics   | 0342       | 1.93                                   | 1.74                          | 23.15                                   | 18.32                          |
| Finished cotton broadwoven fabrics  | 034201     | 0.00                                   | 0.00                          | 3.36                                    | 2.70                           |
| Finished manmade, silk, and other natural fiber (exc. cotton and wool) broadwoven fabrics     | 034203     | 1.37                                   | 1.67                          | 30.85                                   | 24.50                          |
| Woven and braided narrow fabrics  | 0344       | 0.68                                   | 0.36                          | 7.61                                    | 1.30                           |
| Woven and braided narrow fabrics  | 034402     | 0.68                                   | 0.36                          | 7.61                                    | 1.30                           |
| Nonwoven fabrics and felts  | 0345       | 1.09                                   | 0.44                          | 9.64                                    | 2.05                           |
| Nonwoven fabrics and felts  | 034503     | 1.09                                   | 0.44                          | 9.64                                    | 2.05                           |
| Coated fabrics, not rubberized  | 0346       | 0.59                                   | 0.33                          | 3.70                                    | 1.21                           |
| Coated fabrics, not rubberized  | 034601     | 0.59                                   | 0.33                          | 3.70                                    | 1.21                           |
| Screen printed textile materials, embroideries, and lace goods                                | 0347       | 0.79                                   | 0.49                          | 3.98                                    | 1.58                           |
| Screen printed textile and apparel materials and embroideries                                 | 034701     | 0.79                                   | 0.49                          | 4.01                                    | 1.59                           |
| Knit fabrics, finished in knitting mills  | 0348       | 0.83                                   | 0.40                          | 5.01                                    | 1.09                           |
| Weft (circular) knit fabrics, knit and finished in the same establishment (excluding hosiery) | 034801     | 0.87                                   | 0.58                          | 6.26                                    | 2.01                           |
| Warp knit goods, knit and finished in the same establishment                                  | 034802     | 0.83                                   | 0.46                          | 4.26                                    | 1.25                           |
| Apparel & other fabricated textile prods  | 038        | 0.50                                   | 0.20                          | 1.93                                    | 0.77                           |
| Apparel   | 0381       | 0.30                                   | 0.13                          | 0.61                                    | 1.18                           |
| Miscellaneous apparel and accessories   | 038104     | 0.31                                   | 0.17                          | 4.80                                    | 1.34                           |
| Women's, girls', and infants' cut and sew apparel   | 038106     | 0.05                                   | 0.19                          | 1.82                                    | 2.61                           |
| Men's and boys' cut and sew apparel   | 038107     | 0.34                                   | 0.20                          | 1.24                                    | 0.92                           |
| Apparel made in knitting mills  | 038108     | 0.00                                   | 0.00                          | 0.94                                    | 0.30                           |
| Textile house furnishings   | 0382       | 0.33                                   | 0.32                          | 2.71                                    | 2.44                           |
| Textile house furnishings   | 038203     | 0.33                                   | 0.32                          | 2.71                                    | 2.44                           |
| Industrial and other fabricated products  | 0383       | 0.75                                   | 0.33                          | 4.99                                    | 0.87                           |
| Industrial and other fabricated products  | 038303     | 0.75                                   | 0.33                          | 4.99                                    | 0.87                           |
| Miscellaneous textile products/services   | 039        | 1.80                                   | 1.37                          | 14.35                                   | 9.44                           |
| Miscellaneous textile products/services   | 0394       | 1.80                                   | 1.37                          | 14.35                                   | 9.44                           |
| Miscellaneous textile products/services   | 039401     | 1.80                                   | 1.37                          | 14.35                                   | 9.44                           |
|   |            |  |                               |   |                                |
| Hides, skins, leather, and related products   | 04         | 2.96                                   | 1.03                          | 17.26                                   | 6.36                           |
| Hides and skins, incl. cattle   | 041        | 8.87                                   | 3.82                          | 48.47                                   | 55.11                          |
| Hides and skins, incl. cattle   | 0419       | 8.87                                   | 3.82                          | 48.47                                   | 55.11                          |
| Hides, skins, and pelts, made in slaughtering plants  | 041901     | 8.87                                   | 3.82                          | 48.47                                   | 55.11                          |
| Leather   | 042        | 2.61                                   | 1.28                          | 29.25                                   | 3.67                           |
| Finished and unfinished leather   | 0427       | 2.61                                   | 1.28                          | 29.25                                   | 3.67                           |
| Finished and unfinished leather   | 042701     | 2.61                                   | 1.28                          | 29.25                                   | 3.67                           |
| Footwear  | 043        | 0.25                                   | 0.10                          | 2.77                                    | 1.17                           |
| Men's nonathletic footwear  | 0431       | 0.13                                   | 0.08                          | 3.00                                    | 1.54                           |
| Men's footwear (size 6 and larger), excluding athletic  | 043105     | 0.13                                   | 0.08                          | 3.00                                    | 1.54                           |
| Women's nonathletic footwear  | 0432       | 0.10                                   | 0.08                          | 0.66                                    | 0.23                           |
| Women's footwear (size 4 and larger), excluding athletic                                      | 043205     | 0.10                                   | 0.08                          | 0.66                                    | 0.23                           |
| Other leather and related products  | 044        | 0.22                                   | 0.27                          | 1.45                                    | 0.51                           |
| Luggage and small leather goods   | 0441       | 0.02                                   | 0.02                          | 0.84                                    | 0.74                           |
| Luggage and small leather goods   | 044101     | 0.02                                   | 0.02                          | 0.84                                    | 0.74                           |
| Leather and leather-like goods, n.e.c.  | 0445       | 0.25                                   | 0.29                          | 2.46                                    | 0.88                           |
| Leather and leather-like goods, n.e.c.  | 044501     | 0.25                                   | 0.29                          | 2.46                                    | 0.88                           |
|   |            |  |                               |   |                                |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Fuels and related products and power                                    | 05         | 3.76                                   | 0.53                          | 44.07                                   | 2.27                           |
| Coal  | 051        | 0.37                                   | 1.43                          | 1.20                                    | 2.17                           |
| Anthracite  | 0511       | 0.00                                   | 0.00                          | 1.44                                    | 1.23                           |
| Prepared anthracite shipped   | 051101     | 0.00                                   | 0.00                          | 1.72                                    | 1.21                           |
| Bituminous coal and lignite   | 0512       | 0.37                                   | 1.45                          | 1.21                                    | 2.19                           |
| Unprepared bituminous coal and lignite                                  | 051208     | 1.59                                   | 6.48                          | 3.40                                    | 9.29                           |
| Prepared bituminous coal and lignite                                    | 051209     | 0.71                                   | 0.89                          | 1.99                                    | 2.06                           |
| Gas fuels   | 053        | 12.81                                  | 1.97                          | 127.27                                  | 15.67                          |
| Natural gas   | 0531       | 13.19                                  | 2.09                          | 113.71                                  | 18.04                          |
| Natural gas   | 053101     | 13.19                                  | 2.09                          | 113.71                                  | 18.04                          |
| Liquefied petroleum gas   | 0532       | 10.72                                  | 1.91                          | 139.81                                  | 17.52                          |
| Liquefied petroleum gas   | 053201     | 10.72                                  | 1.91                          | 139.81                                  | 17.52                          |
| Electric power  | 054        | 0.88                                   | 0.33                          | 4.34                                    | 0.38                           |
| Residential electric power  | 0541       | 0.90                                   | 0.50                          | 3.61                                    | 0.49                           |
| Residential electric power  | 054121     | 0.90                                   | 0.50                          | 3.61                                    | 0.49                           |
| Commercial electric power   | 0542       | 1.16                                   | 0.44                          | 4.88                                    | 0.75                           |
| Commercial electric power   | 054221     | 1.16                                   | 0.44                          | 4.88                                    | 0.75                           |
| Industrial electric power   | 0543       | 1.04                                   | 0.78                          | 4.10                                    | 1.47                           |
| Industrial electric power   | 054321     | 1.04                                   | 0.78                          | 4.10                                    | 1.47                           |
| Transportation electric power   | 0546       | 0.60                                   | 0.84                          | 4.80                                    | 3.33                           |
| Transportation electric power   | 054621     | 0.60                                   | 0.84                          | 4.80                                    | 3.33                           |
| Utility natural gas   | 055        | 3.79                                   | 2.31                          | 29.53                                   | 4.83                           |
| Residential natural gas   | 0551       | 1.77                                   | 0.53                          | 15.94                                   | 1.43                           |
| Residential natural gas   | 055121     | 1.77                                   | 0.53                          | 15.94                                   | 1.43                           |
| Commercial natural gas  | 0552       | 2.05                                   | 0.75                          | 24.07                                   | 2.17                           |
| Commercial natural gas  | 055221     | 2.05                                   | 0.75                          | 24.07                                   | 2.17                           |
| Industrial natural gas  | 0553       | 3.92                                   | 1.89                          | 39.03                                   | 6.06                           |
| Industrial natural gas  | 055321     | 3.92                                   | 1.89                          | 39.03                                   | 6.06                           |
| Natural gas to electric power   | 0554       | 11.03                                  | 6.35                          | 37.21                                   | 15.78                          |
| Natural gas to electric power   | 055421     | 11.03                                  | 6.35                          | 37.21                                   | 15.78                          |
| Crude petroleum (domestic production)                                   | 056        | 8.04                                   | 0.60                          | 96.20                                   | 4.28                           |
| Crude petroleum (domestic production)                                   | 0561       | 8.04                                   | 0.60                          | 96.20                                   | 4.28                           |
| Crude petroleum (domestic production)                                   | 056101     | 8.04                                   | 0.60                          | 96.20                                   | 4.28                           |
| Petroleum products, refined   | 057        | 5.97                                   | 0.62                          | 76.92                                   | 3.92                           |
| Gasoline  | 0571       | 5.95                                   | 1.05                          | 78.80                                   | 3.02                           |
| Unleaded premium gasoline   | 057103     | 5.00                                   | 1.56                          | 71.57                                   | 6.03                           |
| Unleaded regular gasoline   | 057104     | 6.11                                   | 1.21                          | 81.65                                   | 3.06                           |
| Unleaded mid-premium gasoline   | 057105     | 6.11                                   | 1.08                          | 67.71                                   | 4.93                           |
| Kerosene and jet fuels  | 0572       | 5.63                                   | 1.15                          | 79.76                                   | 4.07                           |
| Kerosene  | 057202     | 7.75                                   | 2.59                          | 75.00                                   | 12.30                          |
| Jet fuel  | 057203     | 5.66                                   | 1.22                          | 79.83                                   | 4.10                           |
| Light fuel oils   | 0573       | 4.84                                   | 0.91                          | 82.33                                   | 10.53                          |
| Home heating oil and distillates  | 057302     | 5.55                                   | 2.46                          | 76.99                                   | 10.34                          |
| No. 2 diesel fuel   | 057303     | 4.64                                   | 0.92                          | 82.43                                   | 11.27                          |
| Residual fuels (heavy fuel oils, incl. #5, #6, & other residual fuels)  | 0574       | 7.84                                   | 5.21                          | 82.03                                   | 24.54                          |
| Residual fuels (heavy fuel oils, incl. #5, #6, & other residual fuels)  | 057407     | 7.84                                   | 5.21                          | 82.03                                   | 24.54                          |
| Finished lubricants   | 0576       | 0.61                                   | 0.40                          | 7.96                                    | 1.63                           |
| Lubricating and similar oils  | 057604     | 0.59                                   | 0.40                          | 8.21                                    | 1.67                           |
| Lubricating oil base stocks   | 0578       | 6.07                                   | 3.59                          | 90.39                                   | 13.59                          |
| Lubricating oil base stocks   | 057801     | 6.07                                   | 3.59                          | 90.39                                   | 13.59                          |
| Asphalt and other petroleum and coal products, n.e.c.                   | 058        | 4.56                                   | 3.42                          | 45.01                                   | 22.34                          |
| Asphalt and other petroleum and coal products, n.e.c.                   | 0581       | 4.56                                   | 3.42                          | 45.01                                   | 22.34                          |
| Asphalt   | 058102     | 7.00                                   | 3.68                          | 59.67                                   | 16.14                          |
| Other petroleum and coal products, including coke oven products, n.e.c. | 058103     | 3.42                                   | 3.15                          | 41.85                                   | 36.21                          |
| Chemicals and allied products   | 06         | 1.70                                   | 0.52                          | 22.99                                   | 1.82                           |
| Industrial chemicals  | 061        | 3.03                                   | 1.50                          | 45.62                                   | 5.09                           |
| Basic inorganic chemicals   | 0613       | 1.12                                   | 1.01                          | 7.57                                    | 3.75                           |
| Inorganic chemicals, other than alkalis and chlorine                    | 061302     | 0.72                                   | 0.94                          | 8.15                                    | 4.46                           |
| Alkalis and chlorine, including natural sodium carbonate and sulfate    | 061303     | 2.01                                   | 2.08                          | 5.66                                    | 5.82                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Basic organic chemicals   | 0614       | 3.26                                   | 1.70                          | 52.66                                   | 5.94                           |
| Primary basic organic chemicals   | 061401     | 6.23                                   | 4.04                          | 107.35                                  | 16.77                          |
| Cyclic intermediate chemicals and dyes  | 061402     | 2.22                                   | 1.33                          | 31.83                                   | 15.99                          |
| Other basic organics  | 061403     | 2.68                                   | 1.02                          | 27.76                                   | 3.39                           |
| Paints and allied products  | 062        | 1.11                                   | 0.36                          | 7.34                                    | 0.88                           |
| Prepared paint  | 0621       | 1.02                                   | 0.47                          | 7.18                                    | 1.23                           |
| Architectural coatings  | 062101     | 0.70                                   | 0.67                          | 8.26                                    | 1.60                           |
| OEM finishes excluding marine coatings  | 062102     | 1.28                                   | 0.69                          | 6.33                                    | 2.41                           |
| Special purpose coatings, incl. marine, industrial & construction coatings                      | 062103     | 0.87                                   | 0.74                          | 7.26                                    | 2.25                           |
| Paint materials   | 0622       | 1.37                                   | 0.52                          | 6.43                                    | 0.65                           |
| Paint colors  | 062202     | 1.56                                   | 0.58                          | 7.25                                    | 0.74                           |
| Kaolin and ball clay  | 062204     | 0.00                                   | 0.00                          | 0.12                                    | 0.79                           |
| Allied and miscellaneous paint products   | 0623       | 0.96                                   | 1.16                          | 9.07                                    | 4.20                           |
| Allied and miscellaneous paint products   | 062301     | 0.96                                   | 1.16                          | 9.07                                    | 4.20                           |
| Drugs and pharmaceuticals   | 063        | 0.12                                   | 0.08                          | 1.93                                    | 0.71                           |
| Medicinal and botanical chemicals, drugs, and other products                                    | 0631       | 0.09                                   | 0.15                          | 1.03                                    | 1.11                           |
| Medicinal and botanical chemicals, drugs, and other products                                    | 063102     | 0.09                                   | 0.15                          | 1.03                                    | 1.11                           |
| Biological products, including diagnostics  | 0637       | 0.11                                   | 0.23                          | 5.32                                    | 2.27                           |
| Biological products, excluding diagnostic, for veterinary, industrial, and all other misc. uses | 063717     | 0.00                                   | 0.00                          | 1.02                                    | 1.21                           |
| Diagnostics   | 063718     | 0.40                                   | 0.30                          | 3.75                                    | 1.78                           |
| Biological products, excluding diagnostic, for human use  | 063719     | 0.00                                   | 0.17                          | 7.15                                    | 3.93                           |
| Pharmaceutical preparations   | 0638       | 0.05                                   | 0.06                          | 1.23                                    | 0.75                           |
| Pharmaceuticals affecting neoplasms, the endocrine system, & metabolic diseases                 | 063801     | 0.00                                   | 0.00                          | 2.03                                    | 0.37                           |
| Pharmaceuticals acting on the central nervous system and the sense organs                       | 063802     | 0.05                                   | 0.17                          | 0.91                                    | 2.58                           |
| Pharmaceuticals acting on the cardiovascular system   | 063803     | 0.00                                   | 0.00                          | 1.94                                    | 1.40                           |
| Pharmaceuticals acting on the respiratory system  | 063804     | 0.00                                   | 0.00                          | 1.31                                    | 1.01                           |
| Pharmaceuticals acting on the digestive or the genito-urinary systems                           | 063805     | 0.00                                   | 0.00                          | 2.06                                    | 2.12                           |
| Pharmaceuticals acting on the skin  | 063806     | 0.00                                   | 0.00                          | 0.08                                    | 0.41                           |
| Vitamin, nutrient, and hematinic preparations   | 063807     | 0.18                                   | 0.18                          | 1.16                                    | 0.51                           |
| Pharmaceuticals affecting parasitic and infective diseases                                      | 063808     | 0.00                                   | 0.00                          | 1.07                                    | 0.63                           |
| Fats and oils, inedible   | 064        | 6.07                                   | 1.95                          | 72.57                                   | 18.75                          |
| Fats and oils, inedible   | 0641       | 6.07                                   | 1.95                          | 72.57                                   | 18.75                          |
| Fats and oils, inedible   | 064101     | 6.07                                   | 1.95                          | 72.57                                   | 18.75                          |
| Agricultural chemicals and chemical products  | 065        | 3.45                                   | 1.03                          | 30.43                                   | 4.70                           |
| Mixed fertilizers   | 0651       | 2.62                                   | 1.17                          | 22.27                                   | 9.32                           |
| Mixed fertilizers   | 065105     | 2.62                                   | 1.17                          | 22.27                                   | 9.32                           |
| Fertilizer materials  | 0652       | 6.84                                   | 1.49                          | 65.10                                   | 3.92                           |
| Nitrogenates  | 065201     | 5.62                                   | 2.87                          | 46.80                                   | 7.19                           |
| Phosphates  | 065202     | 5.30                                   | 1.39                          | 81.22                                   | 4.18                           |
| Other agricultural chemicals  | 0653       | 1.50                                   | 1.84                          | 3.53                                    | 8.17                           |
| Other agricultural chemicals  | 065301     | 1.50                                   | 1.84                          | 3.53                                    | 8.17                           |
| Plastic resins and materials  | 066        | 2.97                                   | 1.65                          | 44.96                                   | 8.49                           |
| Thermoplastic resins and plastics materials   | 0662       | 3.34                                   | 1.85                          | 49.33                                   | 9.86                           |
| Thermoplastic resins and plastics materials   | 066212     | 3.34                                   | 1.85                          | 49.33                                   | 9.86                           |
| Thermosetting resins and plastics materials   | 0663       | 1.31                                   | 1.41                          | 11.04                                   | 3.44                           |
| Thermosetting resins and plastics materials   | 066306     | 1.31                                   | 1.41                          | 11.04                                   | 3.44                           |
| Other chemicals and allied products   | 067        | 0.68                                   | 0.23                          | 4.68                                    | 0.64                           |
| Soaps and detergents  | 0671       | 0.41                                   | 0.24                          | 2.74                                    | 0.79                           |
| Soaps and other detergents  | 067104     | 0.41                                   | 0.24                          | 2.74                                    | 0.79                           |
| Polish and other sanitation goods   | 0672       | 0.35                                   | 0.31                          | 1.99                                    | 0.85                           |
| Polish and other sanitation goods   | 067201     | 0.35                                   | 0.31                          | 1.99                                    | 0.85                           |
| Cosmetics and other toilet preparations   | 0675       | 0.13                                   | 0.10                          | 0.62                                    | 0.72                           |
| Hair preparations (including shampoos)  | 067504     | 0.00                                   | 0.00                          | 0.46                                    | 1.21                           |
| Toothpastes, denture cleaners, and mouthwashes  | 067505     | 0.00                                   | 0.00                          | 0.08                                    | 0.60                           |
| Creams, lotions, and oils, excluding shaving, hair, and deodorant                               | 067514     | 0.00                                   | 0.00                          | 0.15                                    | 0.30                           |
| Other cosmetics and toilet preparations   | 067515     | 0.09                                   | 0.05                          | 1.95                                    | 1.68                           |
| Misc. chemical prod. and preparations   | 0679       | 0.97                                   | 0.38                          | 7.83                                    | 1.18                           |
| Explosives, propellants, and blasting accessories   | 067902     | 0.48                                   | 0.24                          | 2.77                                    | 1.18                           |
| Industrial gases  | 067903     | 1.36                                   | 1.34                          | 7.16                                    | 3.56                           |
| Adhesives and sealants  | 067904     | 0.56                                   | 0.35                          | 5.25                                    | 0.94                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index  | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|--|------------|--|-------------------------------|---|--------------------------------|
| Surface active agents  | 067905     | 1.34                                   | 1.05                          | 15.45                                   | 4.01                           |
| Gum and wood chemicals, including wood distillation products                 | 067906     | 1.09                                   | 1.39                          | 8.13                                    | 6.96                           |
| Other miscellaneous chemical products  | 067909     | 1.02                                   | 0.47                          | 5.20                                    | 1.32                           |
|  |            |  |                               |   |                                |
| Rubber and plastic products  | 07         | 1.61                                   | 0.25                          | 12.90                                   | 0.87                           |
| Rubber and rubber products   | 071        | 0.91                                   | 0.23                          | 6.94                                    | 0.78                           |
| Synthetic rubber, inc. styrene-butadiene rubber (SBR) and ethylene propylene | 0711       | 2.75                                   | 0.81                          | 19.83                                   | 3.83                           |
| Synthetic rubber   | 071102     | 2.75                                   | 0.81                          | 19.83                                   | 3.83                           |
| Tires, tubes, tread, & repair materials                                      | 0712       | 0.41                                   | 0.19                          | 4.16                                    | 0.50                           |
| Tires  | 071201     | 0.37                                   | 0.20                          | 4.09                                    | 0.52                           |
| Tread rubber, tire sundries, and repair materials                            | 071203     | 0.03                                   | 0.03                          | 5.35                                    | 1.47                           |
| Miscellaneous rubber products  | 0713       | 0.92                                   | 0.29                          | 4.36                                    | 0.97                           |
| Rubber and plastics footwear, including athletic footwear                    | 071301     | 0.19                                   | 0.05                          | 1.41                                    | 0.27                           |
| Rubber and plastic belts and belting   | 071303     | 0.39                                   | 0.28                          | 1.23                                    | 0.96                           |
| Rubber and plastics hose   | 071304     | 0.81                                   | 0.61                          | 7.72                                    | 3.54                           |
| Miscellaneous rubber products, n.e.c.  | 071306     | 0.92                                   | 0.37                          | 4.26                                    | 1.18                           |
| Plastic products   | 072        | 1.95                                   | 0.30                          | 14.72                                   | 1.06                           |
| Plastic construction products  | 0721       | 2.53                                   | 0.52                          | 25.13                                   | 2.09                           |
| Plastic construction products  | 072106     | 2.53                                   | 0.52                          | 25.13                                   | 2.09                           |
| Unsupported plastic film, sheet and other shapes                             | 0722       | 2.10                                   | 0.70                          | 16.05                                   | 2.00                           |
| Unsupported plastic film, sheet and other shapes                             | 072205     | 2.10                                   | 0.70                          | 16.05                                   | 2.00                           |
| Laminated plastic sheets, rods, and tubes                                    | 0723       | 0.61                                   | 0.25                          | 3.77                                    | 0.76                           |
| Laminated plastics plates, sheet (excluding packaging), and shapes           | 072304     | 0.61                                   | 0.25                          | 3.77                                    | 0.76                           |
| Parts for manufacturing from plastics  | 0726       | 1.24                                   | 0.76                          | 7.54                                    | 2.39                           |
| Parts for transportation equipment   | 072601     | 1.16                                   | 0.90                          | 7.65                                    | 2.48                           |
| Other parts and components for manufacturing                                 | 072602     | 0.47                                   | 0.75                          | 5.18                                    | 6.94                           |
| Foam components for furniture  | 072603     | 0.55                                   | 1.21                          | 12.59                                   | 7.90                           |
| Other plastic products   | 0729       | 0.85                                   | 0.47                          | 12.36                                   | 4.07                           |
| Other plastic products   | 072901     | 0.85                                   | 0.47                          | 12.36                                   | 4.07                           |
| Plastic packaging products   | 072A       | 1.99                                   | 0.42                          | 17.08                                   | 2.26                           |
| Plastic packaging products   | 072A01     | 1.99                                   | 0.42                          | 17.08                                   | 2.26                           |
| Consumer, institutional, and commercial products, n.e.c.                     | 072B       | 1.65                                   | 0.52                          | 11.15                                   | 2.15                           |
| All other consumer, institutional, and commercial products                   | 072B01     | 1.65                                   | 0.52                          | 11.15                                   | 2.15                           |
| Recyclable plastics  | 072C       | 2.45                                   | 6.02                          | 24.04                                   | 29.64                          |
| Recyclable plastics  | 072C01     | 2.45                                   | 6.02                          | 24.04                                   | 29.64                          |
|  |            |  |                               |   |                                |
| Lumber and wood products   | 08         | 4.25                                   | 0.85                          | 25.07                                   | 2.23                           |
| Lumber   | 081        | 6.53                                   | 2.02                          | 48.12                                   | 5.99                           |
| Softwood lumber  | 0811       | 6.96                                   | 2.50                          | 57.95                                   | 8.21                           |
| Softwood cut stock and dimension   | 081105     | 8.57                                   | 4.11                          | 63.53                                   | 21.07                          |
| Softwood lumber, not edge worked   | 081106     | 8.02                                   | 2.55                          | 63.91                                   | 9.78                           |
| Softwood lumber, made from purchased lumber                                  | 081107     | 3.47                                   | 3.88                          | 36.82                                   | 21.66                          |
| Hardwood lumber  | 0812       | 2.66                                   | 0.97                          | 37.04                                   | 5.61                           |
| Hardwood cut stock and dimension   | 081203     | 1.88                                   | 2.09                          | 36.34                                   | 15.92                          |
| Hardwood flooring  | 081204     | 1.59                                   | 0.90                          | 16.98                                   | 5.14                           |
| Hardwood lumber, not edge worked   | 081205     | 3.76                                   | 1.64                          | 50.24                                   | 8.81                           |
| Millwork   | 082        | 1.29                                   | 0.67                          | 15.66                                   | 1.87                           |
| General millwork   | 0821       | 0.92                                   | 0.34                          | 8.58                                    | 1.32                           |
| General millwork   | 082101     | 0.92                                   | 0.34                          | 8.58                                    | 1.32                           |
| Prefabricated structural members   | 0822       | 3.56                                   | 2.41                          | 47.99                                   | 7.72                           |
| Prefabricated structural members   | 082201     | 3.56                                   | 2.41                          | 47.99                                   | 7.72                           |
| Plywood  | 083        | 9.66                                   | 1.40                          | 46.54                                   | 4.51                           |
| Softwood veneer and plywood  | 0831       | 12.84                                  | 2.00                          | 82.14                                   | 7.22                           |
| Softwood veneer and plywood  | 083103     | 12.84                                  | 2.00                          | 82.14                                   | 7.22                           |
| Hardwood veneer and plywood  | 0835       | 1.83                                   | 1.27                          | 14.27                                   | 3.84                           |
| Hardwood veneer and plywood  | 083501     | 1.83                                   | 1.27                          | 14.27                                   | 3.84                           |
| Other wood products  | 084        | 2.15                                   | 1.13                          | 17.65                                   | 6.75                           |
| Wood pallets and pallet containers, wood and metal combination               | 0841       | 2.72                                   | 1.82                          | 32.35                                   | 4.83                           |
| Wood pallets and pallet containers   | 084101     | 2.72                                   | 1.82                          | 32.35                                   | 4.83                           |
| Wood boxes   | 0842       | 1.19                                   | 4.30                          | 9.58                                    | 49.05                          |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Wood boxes  | 084201     | 1.19                                   | 4.30                          | 9.58                                    | 49.05                          |
| Miscellaneous wood products   | 0849       | 0.62                                   | 0.72                          | 6.57                                    | 5.21                           |
| Wood ties, siding, shingles, and shakes, and contract sawing of logs owned by others            | 084903     | 0.19                                   | 0.62                          | 5.16                                    | 2.51                           |
| Sawn wood fence stock, wood lath, and contract resawing and planing                             | 084904     | 0.00                                   | 0.00                          | 9.20                                    | 6.79                           |
| All other miscellaneous wood products   | 084909     | 0.46                                   | 0.62                          | 6.50                                    | 5.97                           |
| Logs, bolts, timber, pulpwood and wood chips  | 085        | 0.59                                   | 0.63                          | 9.13                                    | 4.33                           |
| Logs, bolts, timber, pulpwood and wood chips  | 0851       | 0.59                                   | 0.63                          | 9.13                                    | 4.33                           |
| Logs, bolts, timber, pulpwood and wood chips  | 085105     | 0.59                                   | 0.63                          | 9.13                                    | 4.33                           |
| Prefabricated wood buildings & components   | 086        | 1.79                                   | 1.29                          | 19.52                                   | 4.00                           |
| Prefabricated wood buildings & components   | 0861       | 1.79                                   | 1.29                          | 19.52                                   | 4.00                           |
| Prefabricated wood buildings and components   | 086101     | 1.79                                   | 1.29                          | 19.52                                   | 4.00                           |
| Treated wood and contract wood preserving   | 087        | 3.01                                   | 1.37                          | 19.65                                   | 4.85                           |
| Treated wood and contract wood preserving   | 0871       | 3.01                                   | 1.37                          | 19.65                                   | 4.85                           |
| Treated wood  | 087101     | 3.22                                   | 1.41                          | 20.88                                   | 5.04                           |
| Contract wood preservation  | 087102     | 1.62                                   | 1.77                          | 3.60                                    | 3.98                           |
| Pulp, paper, and allied products  | 09         | 1.24                                   | 0.22                          | 12.05                                   | 0.89                           |
| Pulp, paper, and prod., ex. bldg. paper   | 091        | 1.49                                   | 0.24                          | 10.83                                   | 0.99                           |
| Wood pulp   | 0911       | 2.25                                   | 2.06                          | 41.11                                   | 13.59                          |
| Wood pulp   | 091105     | 2.25                                   | 2.06                          | 41.11                                   | 13.59                          |
| Recyclable paper  | 0912       | 5.08                                   | 3.06                          | 85.18                                   | 24.50                          |
| News and other low grade recyclable paper   | 091201     | 5.86                                   | 3.50                          | 116.31                                  | 35.41                          |
| Corrugated recyclable paper   | 091203     | 5.50                                   | 3.47                          | 98.63                                   | 24.39                          |
| High grade recyclable paper (including pulp substitutes and deinking)                           | 091207     | 2.85                                   | 3.91                          | 39.03                                   | 31.78                          |
| Paper   | 0913       | 1.23                                   | 0.43                          | 10.03                                   | 1.37                           |
| Writing and printing papers   | 091301     | 0.88                                   | 0.75                          | 4.76                                    | 1.84                           |
| Newsprint   | 091302     | 1.61                                   | 1.37                          | 11.75                                   | 4.58                           |
| Packaging and industrial converting paper   | 091303     | 1.50                                   | 0.50                          | 19.96                                   | 2.52                           |
| All other coated and processed papers   | 091305     | 1.02                                   | 1.26                          | 4.18                                    | 2.63                           |
| Paperboard  | 0914       | 1.63                                   | 0.46                          | 15.97                                   | 1.25                           |
| Corrugated paperboard in sheets and rolls, lined and unlined                                    | 091405     | 1.54                                   | 1.18                          | 15.60                                   | 1.69                           |
| Paperboard, excluding corrugated paperboard   | 091411     | 1.59                                   | 0.51                          | 16.06                                   | 1.48                           |
| Converted paper and paperboard products   | 0915       | 0.86                                   | 0.25                          | 5.67                                    | 0.73                           |
| Sanitary paper products, including stock  | 091501     | 0.25                                   | 0.30                          | 0.79                                    | 0.80                           |
| Paper, plastic, and foil bags   | 091502     | 1.02                                   | 0.55                          | 11.97                                   | 1.77                           |
| Paper boxes and containers  | 091503     | 1.01                                   | 0.39                          | 7.39                                    | 1.50                           |
| Other corrugated and solid fiber products, including containers, pallets, pads, etc.            | 091504     | 0.78                                   | 0.54                          | 12.52                                   | 2.85                           |
| Office supplies and accessories   | 091506     | 1.00                                   | 0.72                          | 2.93                                    | 0.94                           |
| Fiber cans, tubes, and similar fiber products   | 091507     | 1.06                                   | 0.48                          | 8.11                                    | 1.99                           |
| Molded pulp goods, including egg cartons, florists pots, food trays, etc.                       | 091508     | 0.83                                   | 0.64                          | 9.41                                    | 3.00                           |
| Miscellaneous converted paper and paperboard products   | 091509     | 1.14                                   | 0.46                          | 5.12                                    | 1.06                           |
| Pressure-sensitive products   | 0916       | 0.89                                   | 0.57                          | 4.84                                    | 1.19                           |
| Pressure-sensitive products   | 091601     | 0.89                                   | 0.57                          | 4.84                                    | 1.19                           |
| Building paper & building board mill prods.   | 092        | 5.97                                   | 0.88                          | 70.39                                   | 9.71                           |
| Hardboard, particleboard & fiberboard prods.  | 0922       | 5.97                                   | 0.88                          | 70.39                                   | 9.71                           |
| Particleboard and fiberboard  | 092201     | 6.37                                   | 0.92                          | 77.35                                   | 10.44                          |
| Hardboard products  | 092202     | 0.56                                   | 0.37                          | 9.90                                    | 1.50                           |
| Publications, printed matter and printing material  | 094        | 0.52                                   | 0.27                          | 4.17                                    | 1.42                           |
| Books printing  | 0944       | 0.92                                   | 0.32                          | 5.04                                    | 1.04                           |
| Books printing  | 094401     | 0.92                                   | 0.32                          | 5.04                                    | 1.04                           |
| Manifold business forms printing  | 0945       | 0.00                                   | 0.00                          | 5.14                                    | 3.84                           |
| Manifold business forms printing  | 094501     | 0.00                                   | 0.00                          | 5.14                                    | 3.84                           |
| Commercial printing   | 0947       | 0.54                                   | 0.26                          | 3.94                                    | 1.44                           |
| Magazine and periodical printing  | 094701     | 0.58                                   | 0.54                          | 3.11                                    | 1.95                           |
| Label and wrapper printing for packaging  | 094702     | 0.57                                   | 0.58                          | 5.23                                    | 3.86                           |
| Catalog and directory printing  | 094703     | 0.07                                   | 0.14                          | 0.41                                    | 0.52                           |
| Advertising printing  | 094705     | 0.21                                   | 0.27                          | 0.66                                    | 0.77                           |
| Other general job printing  | 094706     | 0.17                                   | 0.45                          | 1.04                                    | 1.27                           |
| Other commercial printing, incl. screen, engraving, digital, & general job exc. labels/wrappers | 094711     | 0.79                                   | 0.63                          | 8.59                                    | 3.28                           |
| Blankbooks, binders, and bookbinding work   | 0948       | 0.38                                   | 0.92                          | 9.81                                    | 5.78                           |



**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Tradebinding and related work                                       | 094802     | 0.53                                   | 0.40                          | 1.97                                    | 1.06                           |
| Services for the printing trade                                     | 0949       | 0.00                                   | 0.00                          |   |                                |
| Prepress services, including platemaking                            | 094905     | 0.00                                   | 0.00                          |   |                                |
|   |            |  |                               |   |                                |
| Metals and metal products   | 10         | 3.05                                   | 0.41                          | 39.06                                   | 2.63                           |
| Iron and steel  | 101        | 3.82                                   | 0.97                          | 81.13                                   | 9.13                           |
| Iron ores   | 1011       | 0.98                                   | 0.28                          | 22.33                                   | 3.69                           |
| Iron ores   | 101105     | 0.98                                   | 0.28                          | 22.33                                   | 3.69                           |
| Iron and steel scrap  | 1012       | 4.36                                   | 0.95                          | 70.08                                   | 3.29                           |
| Carbon steel scrap  | 101211     | 4.45                                   | 1.01                          | 70.28                                   | 3.42                           |
| Stainless and other alloy steel scrap                               | 101212     | 2.07                                   | 3.17                          | 58.27                                   | 14.28                          |
| Cast iron scrap   | 101213     | 4.08                                   | 4.96                          | 77.86                                   | 14.15                          |
| Other ferrous scrap   | 101215     | 6.48                                   | 4.02                          | 75.00                                   | 19.16                          |
| Foundry and forge shop products                                     | 1015       | 1.25                                   | 0.44                          | 7.50                                    | 1.40                           |
| Pressure and soil pipe & fittings, cast iron                        | 101502     | 0.81                                   | 0.89                          | 14.03                                   | 3.26                           |
| Other gray and ductile iron castings                                | 101504     | 0.85                                   | 0.55                          | 7.06                                    | 2.55                           |
| Steel investment castings   | 101506     | 0.55                                   | 1.06                          | 6.10                                    | 1.38                           |
| Carbon steel castings, except investment                            | 101507     | 0.14                                   | 0.09                          | 1.37                                    | 3.08                           |
| High alloy steel castings, excluding investment                     | 101508     | 0.75                                   | 1.26                          | 8.91                                    | 5.23                           |
| Other alloy steel castings, except investment                       | 101509     | 0.17                                   | 0.17                          | 3.49                                    | 3.57                           |
| Other forge shop products   | 101513     | 1.30                                   | 0.77                          | 9.11                                    | 2.76                           |
| Steel mill products   | 1017       | 5.24                                   | 1.32                          | 99.73                                   | 14.82                          |
| Semifinished steel mill products                                    | 101702     | 4.76                                   | 1.08                          | 60.76                                   | 7.20                           |
| Hot rolled steel sheet and strip, including tin mill products       | 101703     | 8.48                                   | 1.91                          | 172.04                                  | 38.42                          |
| Hot rolled steel bars, plates, and structural shapes                | 101704     | 3.87                                   | 0.76                          | 39.36                                   | 2.71                           |
| Steel wire  | 101705     | 2.17                                   | 0.96                          | 21.90                                   | 2.73                           |
| Steel pipe and tube   | 101706     | 4.69                                   | 2.19                          | 50.92                                   | 8.38                           |
| Cold rolled steel sheet and strip                                   | 101707     | 3.77                                   | 5.10                          | 166.40                                  | 40.94                          |
| Cold finished steel bars and bar shapes                             | 101708     | 2.08                                   | 1.32                          | 24.18                                   | 4.07                           |
| Electrometallurgical ferroalloy products                            | 101712     | 2.35                                   | 1.54                          | 14.51                                   | 4.52                           |
| Nonferrous metals   | 102        | 0.99                                   | 0.71                          | 25.13                                   | 3.14                           |
| Nonferrous metal ores   | 1021       | 3.36                                   | 3.12                          | 15.01                                   | 7.01                           |
| Gold ores   | 102105     | 1.69                                   | 0.00                          | 6.88                                    | 0.23                           |
| Other metal ores  | 102112     | 2.09                                   | 0.39                          | 35.71                                   | 2.12                           |
| Primary nonferrous metals   | 1022       | 2.31                                   | 1.07                          | 29.88                                   | 13.68                          |
| Primary nonferrous metals   | 102201     | 2.31                                   | 1.07                          | 29.88                                   | 13.68                          |
| Nonferrous scrap  | 1023       | 2.28                                   | 2.00                          | 26.75                                   | 11.97                          |
| Copper base scrap   | 102301     | 1.85                                   | 1.17                          | 43.85                                   | 3.34                           |
| Aluminum base scrap   | 102302     | 1.70                                   | 3.10                          | 70.70                                   | 18.37                          |
| Other nonferrous scrap (including lead, zinc and precious metals)   | 102303     | 4.06                                   | 3.87                          | 11.75                                   | 23.31                          |
| Secondary nonferrous metals   | 1024       | 1.21                                   | 1.55                          | 23.87                                   | 10.10                          |
| Secondary aluminum  | 102402     | 3.36                                   | 0.67                          | 65.50                                   | 2.65                           |
| Secondary copper, alloyed and unalloyed                             | 102403     | 2.22                                   | 1.74                          | 22.26                                   | 5.56                           |
| Secondary precious metals   | 102406     | 2.15                                   | 3.21                          | 9.87                                    | 12.48                          |
| All other miscellaneous secondary nonferrous metals, including lead | 102408     | 2.92                                   | 1.00                          | 19.94                                   | 3.76                           |
| Nonferrous mill shapes  | 1025       | 2.41                                   | 0.55                          | 31.95                                   | 2.73                           |
| Aluminum mill shapes  | 102501     | 3.36                                   | 0.69                          | 30.71                                   | 2.91                           |
| Copper and brass mill shapes  | 102502     | 1.15                                   | 0.42                          | 42.13                                   | 3.29                           |
| Nickel and nickel-base alloy mill shapes                            | 102504     | 0.77                                   | 0.35                          | 13.94                                   | 2.28                           |
| Titanium and titanium-base alloy mill shapes                        | 102505     | 0.00                                   | 0.00                          | 1.92                                    | 1.10                           |
| Other nonferrous mill shapes  | 102519     | 0.94                                   | 1.54                          | 10.48                                   | 6.96                           |
| Nonferrous wire and cable   | 1026       | 1.66                                   | 1.18                          | 30.53                                   | 5.59                           |
| Nonferrous wire and cable   | 102603     | 1.66                                   | 1.18                          | 30.53                                   | 5.59                           |
| Nonferrous forge shop products                                      | 1027       | 0.50                                   | 0.87                          | 2.65                                    | 3.55                           |
| Nonferrous forge shop products                                      | 102701     | 0.50                                   | 0.87                          | 2.65                                    | 3.55                           |
| Nonferrous foundry shop products                                    | 1028       | 0.89                                   | 0.35                          | 9.77                                    | 1.32                           |
| Aluminum castings   | 102802     | 0.75                                   | 0.30                          | 9.75                                    | 1.37                           |
| Castings, nonferrous (except aluminum)                              | 102807     | 0.91                                   | 0.57                          | 9.79                                    | 2.90                           |
| Metal containers  | 103        | 1.52                                   | 0.78                          | 11.47                                   | 2.06                           |
| Metal cans and can components                                       | 1031       | 0.90                                   | 0.78                          | 7.95                                    | 2.07                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Steel cans and tinware end products   | 103102     | 0.31                                   | 0.31                          | 10.61                                   | 2.99                           |
| Aluminum cans and can components  | 103103     | 1.24                                   | 1.03                          | 6.60                                    | 2.68                           |
| Barrels, drums, pails and other metal containers  | 1032       | 4.15                                   | 1.40                          | 25.28                                   | 5.64                           |
| Barrels, drums, pails and other metal containers  | 103201     | 4.15                                   | 1.40                          | 25.28                                   | 5.64                           |
| Hardware  | 104        | 1.05                                   | 0.40                          | 7.63                                    | 1.73                           |
| Hardware, n.e.c.  | 1041       | 1.29                                   | 0.61                          | 10.60                                   | 2.69                           |
| Builders' hardware  | 104101     | 0.82                                   | 0.34                          | 8.56                                    | 1.95                           |
| Transportation equipment hardware   | 104103     | 0.41                                   | 0.47                          | 4.32                                    | 2.25                           |
| Furniture hardware  | 104104     | 2.14                                   | 1.59                          | 13.61                                   | 4.59                           |
| Other miscellaneous hardware  | 104105     | 1.62                                   | 2.32                          | 36.93                                   | 20.56                          |
| Hand and edge tools   | 1042       | 0.40                                   | 0.27                          | 3.12                                    | 0.90                           |
| Hand and edge tools   | 104201     | 0.40                                   | 0.27                          | 3.12                                    | 0.90                           |
| Plumbing fixtures and fittings  | 105        | 0.31                                   | 0.33                          | 2.71                                    | 1.49                           |
| Plumbing fixture fittings and trim  | 1054       | 0.30                                   | 0.26                          | 2.90                                    | 1.38                           |
| Plumbing fixtures, fittings, and trim   | 105402     | 0.30                                   | 0.26                          | 2.90                                    | 1.38                           |
| Enameled iron & metal sanitary ware   | 1056       | 0.09                                   | 1.73                          | 2.94                                    | 3.48                           |
| Enameled iron and metal sanitary ware   | 105601     | 0.09                                   | 1.73                          | 2.94                                    | 3.48                           |
| Heating equipment   | 106        | 1.14                                   | 0.38                          | 9.80                                    | 1.19                           |
| Steam and hot water equipment   | 1061       | 0.22                                   | 0.18                          | 2.99                                    | 1.48                           |
| Steam and hot water equipment   | 106101     | 0.22                                   | 0.18                          | 2.99                                    | 1.48                           |
| Furnaces and heaters, including parts   | 1062       | 0.90                                   | 0.82                          | 7.62                                    | 2.02                           |
| Furnaces and heaters, including parts   | 106201     | 0.90                                   | 0.82                          | 7.62                                    | 2.02                           |
| Other heating equipment, non-electric, including parts  | 1063       | 0.96                                   | 0.31                          | 5.58                                    | 1.00                           |
| Other heating equipment, non-electric, including parts  | 106301     | 0.96                                   | 0.31                          | 5.58                                    | 1.00                           |
| Domestic heating stoves   | 1064       | 0.00                                   | 0.00                          | 4.11                                    | 2.78                           |
| Domestic heating stoves   | 106401     | 0.00                                   | 0.00                          | 4.11                                    | 2.78                           |
| Domestic water heaters  | 1066       | 0.08                                   | 0.21                          | 22.01                                   | 3.86                           |
| Domestic water heaters  | 106601     | 0.08                                   | 0.21                          | 22.01                                   | 3.86                           |
| Fabricated structural metal products  | 107        | 3.19                                   | 0.67                          | 27.12                                   | 3.02                           |
| Metal doors, sash, and trim   | 1071       | 2.04                                   | 0.79                          | 13.88                                   | 2.23                           |
| Metal doors and frames (except storm)   | 107102     | 1.48                                   | 0.71                          | 14.51                                   | 2.34                           |
| Metal windows (except storm sash)   | 107103     | 1.34                                   | 1.24                          | 11.55                                   | 3.41                           |
| Metal molding and trim and store fronts   | 107104     | 1.47                                   | 2.45                          | 24.84                                   | 10.39                          |
| Metal combination screen, storm sash, and storm doors   | 107105     | 0.00                                   | 0.00                          | 4.08                                    | 1.12                           |
| Metal window and door screens (except combination screens) and metal weather strip            | 107107     | 0.13                                   | 2.29                          | 14.22                                   | 11.04                          |
| Metal tanks   | 1072       | 1.80                                   | 1.54                          | 30.24                                   | 5.19                           |
| Metal tanks   | 107201     | 1.80                                   | 1.54                          | 30.24                                   | 5.19                           |
| Sheet metal products  | 1073       | 2.49                                   | 1.58                          | 22.35                                   | 11.42                          |
| Sheet metal products  | 107301     | 2.49                                   | 1.58                          | 22.35                                   | 11.42                          |
| Structural, architectural, and pre-engineered metal products                                  | 1074       | 3.63                                   | 0.94                          | 31.02                                   | 5.82                           |
| Fabricated structural metal   | 107405     | 3.30                                   | 1.33                          | 30.97                                   | 9.60                           |
| Custom roll form products   | 107407     | 6.30                                   | 1.61                          | 45.00                                   | 3.94                           |
| Ornamental and architectural metal work   | 107408     | 2.96                                   | 1.34                          | 30.17                                   | 7.84                           |
| Fabricated metal pipe, tube, and fittings   | 107411     | 1.73                                   | 1.02                          | 20.73                                   | 10.29                          |
| Heat exchangers and steam condensers  | 1075       | 0.63                                   | 0.53                          | 10.02                                   | 4.28                           |
| Heat exchangers and steam condensers  | 107501     | 0.63                                   | 0.53                          | 10.02                                   | 4.28                           |
| Fabricated steel plate  | 1076       | 2.34                                   | 1.91                          | 34.76                                   | 13.73                          |
| Fabricated steel plate  | 107601     | 2.34                                   | 1.91                          | 34.76                                   | 13.73                          |
| Prefabricated metal buildings   | 1079       | 2.14                                   | 1.29                          | 37.72                                   | 8.80                           |
| Prefabricated metal building systems (excl. farm service bldgs, residential bldgs, and parts) | 107901     | 2.43                                   | 1.41                          | 39.90                                   | 11.20                          |
| Farm service buildings and other prefabricated and portable buildings, steel and aluminum     | 107902     | 1.14                                   | 1.72                          | 18.15                                   | 9.73                           |
| Panels, parts, and sections for prefabricated buildings, steel and aluminum                   | 107903     | 3.51                                   | 2.21                          | 46.14                                   | 7.17                           |
| Miscellaneous metal products  | 108        | 1.09                                   | 0.29                          | 6.90                                    | 1.16                           |
| Bolts, nuts, screws, rivets, and washers  | 1081       | 0.66                                   | 0.52                          | 9.12                                    | 3.56                           |
| Externally threaded fasteners, except aircraft types  | 108102     | 0.87                                   | 0.75                          | 8.46                                    | 4.72                           |
| Internally threaded fasteners, except aircraft types  | 108103     | 0.21                                   | 0.27                          | 0.91                                    | 1.72                           |
| Nonthreaded metal fasteners, except aircraft types  | 108104     | 1.31                                   | 1.36                          | 6.89                                    | 3.51                           |
| Aircraft fasteners, except plastics (including aerospace)                                     | 108105     | 0.04                                   | 0.06                          | 25.25                                   | 10.69                          |
| Formed products, except fasteners, made by cold-, warm-, or hot-heading processes             | 108106     | 0.41                                   | 0.24                          | 3.17                                    | 2.30                           |
| Lighting fixtures   | 1083       | 0.71                                   | 0.35                          | 4.48                                    | 0.93                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Residential electric lighting fixtures, except portable   | 108302     | 1.40                                   | 1.45                          | 4.94                                    | 3.60                           |
| Commercial, institutional and industrial electric lighting fixtures                             | 108303     | 0.76                                   | 0.61                          | 5.77                                    | 1.54                           |
| Other lighting equipment  | 108305     | 0.27                                   | 0.27                          | 2.78                                    | 1.04                           |
| Ordnance and ordnance accessories, n.e.c.   | 1086       | 0.00                                   | 0.00                          | 8.65                                    | 8.73                           |
| Ordnance and ordnance accessories, n.e.c.   | 108601     | 0.00                                   | 0.00                          | 8.65                                    | 8.73                           |
| Fabricated ferrous wire products  | 1088       | 2.44                                   | 0.84                          | 15.61                                   | 3.66                           |
| Ferrous wire rope, cable, forms and strand  | 108801     | 2.15                                   | 1.03                          | 13.38                                   | 2.51                           |
| Ferrous wire cloth, other woven wire products   | 108807     | 1.00                                   | 1.07                          | 9.76                                    | 7.49                           |
| Other fabricated ferrous wire products  | 108809     | 2.38                                   | 1.23                          | 17.97                                   | 5.58                           |
| Steel nails, staples, tacks, spikes and brads   | 108812     | 2.36                                   | 1.64                          | 13.58                                   | 5.36                           |
| Other miscellaneous metal products  | 1089       | 0.92                                   | 0.41                          | 6.11                                    | 1.49                           |
| Wire springs  | 108904     | 0.93                                   | 1.03                          | 8.43                                    | 3.83                           |
| Other metal products  | 108905     | 0.77                                   | 0.45                          | 4.88                                    | 1.67                           |
| Metal stampings n.e.c.  | 108907     | 1.97                                   | 1.73                          | 12.92                                   | 5.31                           |
| Metal foil and leaf   | 108908     | 0.84                                   | 0.76                          | 6.40                                    | 4.20                           |
| Heavy gauge springs   | 108909     | 0.60                                   | 1.29                          | 7.77                                    | 8.37                           |
|   |            |  |                               |   |                                |
| Machinery and equipment   | 11         | 0.62                                   | 0.08                          | 3.28                                    | 0.27                           |
| Agricultural machinery and equipment  | 111        | 1.19                                   | 0.55                          | 5.26                                    | 1.85                           |
| Agricultural machinery and equipment  | 1114       | 1.19                                   | 0.55                          | 5.26                                    | 1.85                           |
| Commercial turf and grounds care equipment, including parts and attachments                     | 111401     | 0.47                                   | 0.57                          | 4.10                                    | 2.62                           |
| Farm plows, harrows, rollers, pulverizers, etc., and attachments                                | 111402     | 0.70                                   | 0.93                          | 5.22                                    | 3.49                           |
| Farm dairy equipment, sprayers and dusters, farm blowers, and attachments                       | 111404     | 0.04                                   | 0.11                          | 0.67                                    | 2.08                           |
| Planting, seeding, and fertilizing machinery and attachments                                    | 111405     | 0.71                                   | 0.53                          | 3.61                                    | 1.77                           |
| Harvesting machinery (except hay and straw) and attachments                                     | 111406     | 0.25                                   | 0.54                          | 2.35                                    | 1.52                           |
| Haying machinery and attachments  | 111407     | 0.64                                   | 1.26                          | 3.41                                    | 4.12                           |
| All other farm machinery and equipment, excluding parts, including attachments                  | 111408     | 2.15                                   | 1.39                          | 11.99                                   | 6.69                           |
| Parts for farm machinery, for sale separately   | 111409     | 0.87                                   | 0.60                          | 10.57                                   | 4.45                           |
| Construction machinery and equipment  | 112        | 0.44                                   | 0.25                          | 4.53                                    | 0.59                           |
| Tractors and attachments, ex. parts   | 112A       | 0.41                                   | 0.31                          | 2.37                                    | 0.62                           |
| Construction machinery for mounting (excluding parts, winches, snow clearing attachments)       | 112A03     | 0.61                                   | 0.84                          | 2.92                                    | 3.65                           |
| Tractor shovel loaders (skid steer, wheel, crawler, and integral design backhoes)               | 112A04     | 0.17                                   | 0.27                          | 2.99                                    | 0.39                           |
| Construction wheel and crawler tractors, dozers, self-propelled log skidders, etc.              | 112A05     | 0.47                                   | 0.29                          | 1.87                                    | 0.78                           |
| Power cranes, draglines, & shovels (excavators) (incl. surface mining equipment) (excl. parts)  | 112B       | 0.17                                   | 0.15                          | 4.20                                    | 0.56                           |
| Power cranes, draglines, & shovels (excavators) (incl. surface mining equip.) (excluding parts) | 112B05     | 0.17                                   | 0.15                          | 4.20                                    | 0.56                           |
| Mixers, pavers, and related equipment (excluding parts)   | 112C       | 0.36                                   | 0.47                          | 8.88                                    | 6.11                           |
| Mixers, pavers, and related equipment (excluding parts)   | 112C01     | 0.36                                   | 0.47                          | 8.88                                    | 6.11                           |
| Off-highway, equipment, ex. parts   | 112D       | 0.19                                   | 0.67                          | 3.29                                    | 2.00                           |
| Off-highway trucks, haulers, truck-type tractor chassis, trailers, etc. (excluding parts)       | 112D02     | 0.07                                   | 0.30                          | 2.62                                    | 3.85                           |
| Graders, rollers & compactors, rough-terrain forklifts, scrapers, trenchers, etc. (excl. parts) | 112D03     | 0.13                                   | 0.68                          | 3.75                                    | 1.54                           |
| Misc. construction machinery and equipment  | 112J       | 0.53                                   | 0.51                          | 7.07                                    | 1.36                           |
| Winches, aerial work platforms, and automotive wrecker hoists, including parts and attachments  | 112J01     | 1.02                                   | 0.40                          | 9.60                                    | 1.75                           |
| Other construction machinery and equipment (excluding parts)                                    | 112J03     | 0.00                                   | 0.02                          | 4.52                                    | 1.43                           |
| Parts for construction machinery and equipment, sold separately                                 | 112K       | 0.56                                   | 0.57                          | 4.09                                    | 2.60                           |
| Parts for construction machinery and equipment, sold separately                                 | 112K01     | 0.56                                   | 0.57                          | 4.09                                    | 2.60                           |
| Metalworking machinery and equipment  | 113        | 0.50                                   | 0.14                          | 3.79                                    | 0.43                           |
| Power-driven handtools, including parts and attachments   | 1132       | 0.10                                   | 0.25                          | 4.81                                    | 1.17                           |
| Power-driven handtools, including parts and attachments   | 113211     | 0.10                                   | 0.25                          | 4.81                                    | 1.17                           |
| Welding machines and equipment  | 1133       | 0.86                                   | 0.31                          | 8.00                                    | 1.30                           |
| Arc welding machines, components, and accessories, excluding electrodes and stud welding equip  | 113301     | 0.63                                   | 0.38                          | 11.89                                   | 2.72                           |
| Resistance welders, components, accessories, and electrodes                                     | 113302     | 0.28                                   | 0.19                          | 3.06                                    | 3.64                           |
| Gas welding and cutting equipment, parts, attachments, and accessories                          | 113304     | 0.01                                   | 0.01                          | 4.46                                    | 3.19                           |
| Other welding equipment, components, and accessories (excluding arc, resistance, and gas)       | 113306     | 0.08                                   | 0.06                          | 5.22                                    | 2.50                           |
| Industrial process furnaces and ovens   | 1134       | 0.70                                   | 0.23                          | 5.20                                    | 1.25                           |
| Industrial process furnaces and ovens, except parts and attachments                             | 113407     | 0.59                                   | 0.22                          | 4.33                                    | 1.10                           |
| Parts and attachments for industrial process furnaces and ovens                                 | 113409     | 0.30                                   | 0.40                          |   |                                |
| Cutting tools and accessories   | 1135       | 0.35                                   | 0.17                          | 0.98                                    | 0.76                           |
| Small cutting tools   | 113501     | 0.20                                   | 0.11                          | 0.41                                    | 0.75                           |
| Other machine tool attachments and accessories  | 113505     | 0.70                                   | 0.48                          | 3.74                                    | 1.31                           |
| Abrasive products   | 1136       | 0.54                                   | 0.36                          | 5.01                                    | 1.83                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Nonmetallic sized grains, powders, and flour abrasives (incl. graded only)          | 113601     | 0.00                                   | 0.00                          | 4.08                                    | 3.54                           |
| Nonmetallic abrasive products (including diamond abrasives)                         | 113603     | 0.23                                   | 0.14                          | 2.89                                    | 0.45                           |
| Nonmetallic coated abrasive products and buffing wheels, polishing wheels, and laps | 113605     | 0.49                                   | 0.50                          | 2.23                                    | 0.84                           |
| Metal cutting machine tools   | 1137       | 0.35                                   | 0.22                          | 2.93                                    | 0.82                           |
| Other metal-cutting machine tools   | 113720     | 0.11                                   | 0.12                          | 2.14                                    | 0.91                           |
| Metal machining centers   | 113721     | 0.00                                   | 0.00                          | 2.50                                    | 0.54                           |
| Rebuilt metal-cutting machine tools and parts for metal-cutting machine tools       | 113753     | 0.00                                   | 0.00                          | 5.21                                    | 3.08                           |
| Metal forming machine tools   | 1138       | 0.10                                   | 0.15                          | 2.31                                    | 1.18                           |
| Metal-forming machine tools (except rebuilt and parts)                              | 113826     | 0.03                                   | 0.05                          | 2.44                                    | 1.42                           |
| Rebuilt metal-forming machine tools and parts for metal-forming machine tools       | 113852     | 0.00                                   | 0.00                          | 1.22                                    | 0.52                           |
| Tools, dies, jigs, fixtures & ind. molds  | 1139       | 0.48                                   | 0.35                          | 3.29                                    | 0.92                           |
| Special tools, dies, jigs, and fixtures   | 113901     | 0.25                                   | 0.39                          | 3.01                                    | 1.50                           |
| Industrial molds and mold boxes   | 113903     | 0.56                                   | 0.58                          | 3.68                                    | 1.62                           |
| Other metalworking machinery  | 113A02     | 0.25                                   | 0.29                          | 3.83                                    | 1.70                           |
| Rolling mill machinery  | 113B       | 0.00                                   | 0.00                          | 0.80                                    | 0.47                           |
| Rolling mill machinery  | 113B01     | 0.00                                   | 0.00                          | 0.80                                    | 0.47                           |
| General purpose machinery and equipment   | 114        | 0.87                                   | 0.17                          | 5.54                                    | 0.43                           |
| Pumps, compressors, and equipment   | 1141       | 0.61                                   | 0.22                          | 4.09                                    | 0.89                           |
| Industrial pumps, except hydraulic fluid power pumps                                | 114102     | 0.41                                   | 0.36                          | 5.21                                    | 0.65                           |
| Domestic water systems  | 114113     | 0.00                                   | 0.00                          | 4.12                                    | 0.63                           |
| Air and gas compressors and vacuum pumps  | 114115     | 0.51                                   | 0.46                          | 5.27                                    | 1.83                           |
| Other pumps, including parts and attachments  | 114119     | 0.41                                   | 0.57                          | 3.12                                    | 2.07                           |
| Elevators, escalators, and other lifts  | 1142       | 0.67                                   | 0.41                          | 3.79                                    | 0.99                           |
| Elevators and moving stairways  | 114201     | 0.52                                   | 0.45                          | 3.13                                    | 1.00                           |
| Parts and attachments for elevators and moving stairs (sold separately)             | 114202     | 0.10                                   | 0.11                          | 5.79                                    | 3.23                           |
| Fluid power equipment   | 1143       | 0.64                                   | 0.28                          | 3.97                                    | 0.73                           |
| Fluid power pumps and parts   | 114301     | 0.20                                   | 0.20                          | 2.34                                    | 1.03                           |
| Fluid power valves  | 114302     | 0.22                                   | 0.31                          | 3.57                                    | 1.34                           |
| Fluid power cylinders, actuators, accumulators, cushions, & parts                   | 114303     | 0.89                                   | 0.65                          | 4.71                                    | 1.64                           |
| Fluid power hose and tube fittings  | 114304     | 0.35                                   | 0.48                          | 4.25                                    | 1.31                           |
| Parts for fluid power valves  | 114305     | 0.14                                   | 0.12                          | 3.80                                    | 1.48                           |
| Industrial material handling equipment  | 1144       | 1.22                                   | 0.32                          | 6.28                                    | 0.84                           |
| Conveying equipment, except parts and accessories                                   | 114402     | 1.15                                   | 0.76                          | 3.24                                    | 2.08                           |
| Industrial trucks, trailers, and stackers   | 114403     | 0.81                                   | 0.30                          | 7.46                                    | 1.33                           |
| Hoists, overhead cranes, and monorail systems                                       | 114404     | 1.00                                   | 0.82                          | 7.10                                    | 2.25                           |
| Parts and accessories for conveyors and conveying systems                           | 114406     | 1.39                                   | 0.76                          | 8.21                                    | 2.78                           |
| Mechanical power transmission equipment   | 1145       | 0.54                                   | 0.33                          | 4.70                                    | 0.97                           |
| Speed changers, drives, gears   | 114501     | 0.60                                   | 0.39                          | 4.28                                    | 0.87                           |
| Other power transmission equipment  | 114502     | 0.45                                   | 0.47                          | 5.13                                    | 1.80                           |
| Scales and balances   | 1146       | 0.66                                   | 0.49                          | 8.66                                    | 2.06                           |
| Vehicle and industrial scales   | 114611     | 0.39                                   | 0.41                          | 7.41                                    | 2.66                           |
| Retail, commercial, household, and mailing scales and balances                      | 114612     | 0.00                                   | 0.00                          | 6.72                                    | 3.93                           |
| Parts, attachments, and accessories for scales and balances                         | 114613     | 0.38                                   | 0.66                          | 11.84                                   | 4.37                           |
| Air purification equipment and industrial and commercial fans and blowers           | 1147       | 0.46                                   | 0.26                          | 5.01                                    | 1.24                           |
| Fan, blower, air purification equipment   | 114701     | 0.46                                   | 0.26                          | 5.01                                    | 1.24                           |
| Air conditioning and refrigeration equip  | 1148       | 1.33                                   | 0.54                          | 8.19                                    | 1.21                           |
| Unitary air-conditioners, except air source heat pumps                              | 114802     | 0.86                                   | 1.01                          | 6.46                                    | 2.66                           |
| Commercial refrigeration equipment  | 114803     | 1.81                                   | 0.98                          | 10.27                                   | 1.77                           |
| All other miscellaneous refrigeration and air-conditioning equipment                | 114806     | 0.73                                   | 1.29                          | 7.46                                    | 5.84                           |
| Heat transfer equipment, including heat pumps                                       | 114807     | 1.10                                   | 0.48                          | 7.31                                    | 1.24                           |
| Parts and accessories for air conditioning and heat transfer equipment              | 114809     | 1.95                                   | 1.33                          | 14.96                                   | 5.78                           |
| Refrigeration condensing units  | 114815     | 1.05                                   | 1.29                          | 17.17                                   | 8.12                           |
| Miscellaneous general purpose equipment   | 1149       | 0.59                                   | 0.29                          | 5.33                                    | 1.16                           |
| Metal valves, except fluid power  | 114902     | 0.41                                   | 0.23                          | 3.03                                    | 0.84                           |
| Metal pipe fittings, flanges, and unions  | 114903     | 0.58                                   | 0.35                          | 18.73                                   | 10.74                          |
| Ball and roller bearings  | 114905     | 0.52                                   | 0.29                          | 4.27                                    | 1.14                           |
| Industrial patterns   | 114907     | 0.22                                   | 0.15                          | 2.91                                    | 4.81                           |
| Filters and strainers   | 114908     | 0.44                                   | 0.52                          | 6.85                                    | 2.55                           |
| Other miscellaneous general purpose equipment                                       | 114911     | 0.39                                   | 0.42                          | 3.00                                    | 1.31                           |
| Electronic computers and computer equipment   | 115        | 0.52                                   | 0.43                          | 0.78                                    | 0.65                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index  | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|--|------------|--|-------------------------------|---|--------------------------------|
| Electronic computers   | 1151       | 2.35                                   | 1.68                          | 3.23                                    | 1.91                           |
| Electronic computers   | 115101     | 2.35                                   | 1.68                          | 3.23                                    | 1.91                           |
| Computer storage devices   | 1152       | 0.00                                   | 0.00                          | 0.84                                    | 0.78                           |
| Computer storage devices (except parts, attachments and accessories)                         | 115201     | 0.00                                   | 0.00                          | 0.86                                    | 0.91                           |
| Computer peripheral equipment and parts  | 1154       | 0.02                                   | 0.03                          | 0.28                                    | 0.73                           |
| POS terminals, funds-transfer devices, computer terminals & other computer peripheral equip. | 115406     | 0.02                                   | 0.03                          | 0.40                                    | 0.98                           |
| Special industry machinery and equipment   | 116        | 0.64                                   | 0.27                          | 7.72                                    | 4.03                           |
| Food products machinery  | 1161       | 0.45                                   | 0.17                          | 2.56                                    | 0.61                           |
| Dairy and milk products plant machinery and equipment  | 116101     | 0.00                                   | 0.00                          | 4.53                                    | 2.46                           |
| Commercial food products machinery (except packaging and cooking equipment)                  | 116104     | 0.38                                   | 0.31                          | 2.99                                    | 0.58                           |
| Industrial food products machinery for processing foods, beverages, & animal & fowl feed     | 116105     | 0.23                                   | 0.22                          | 1.07                                    | 0.54                           |
| Textile machinery and equipment  | 1162       | 0.00                                   | 0.00                          | 0.54                                    | 0.56                           |
| Textile machinery (except parts, attachments, and accessories)                               | 116212     | 0.00                                   | 0.00                          | 0.22                                    | 0.48                           |
| Textile machinery parts and attachments  | 116277     | 0.00                                   | 0.00                          | 0.68                                    | 0.57                           |
| Sawmill and woodworking machinery  | 1163       | 0.48                                   | 0.40                          | 8.62                                    | 3.42                           |
| Sawmill and woodworking machinery  | 116306     | 0.48                                   | 0.40                          | 8.62                                    | 3.42                           |
| Paper industries machinery   | 1164       | 0.54                                   | 0.31                          | 1.74                                    | 0.78                           |
| Paper industries machinery   | 116401     | 0.54                                   | 0.31                          | 1.74                                    | 0.78                           |
| Printing trades machinery and equipment  | 1165       | 0.20                                   | 0.53                          | 0.58                                    | 0.55                           |
| Printing presses   | 116508     | 0.00                                   | 0.00                          | 0.00                                    | 0.00                           |
| Other printing machinery and equipment   | 116509     | 0.25                                   | 0.68                          | 0.75                                    | 0.71                           |
| Other special industry machinery   | 1166       | 0.26                                   | 0.28                          | 13.10                                   | 9.90                           |
| Plastics and rubber working machinery  | 116603     | 0.13                                   | 0.49                          | 1.97                                    | 1.92                           |
| Miscellaneous special industry machinery   | 116606     | 0.27                                   | 0.28                          | 15.60                                   | 11.40                          |
| Packing, packaging, and bottling machinery and parts   | 1167       | 0.31                                   | 0.37                          | 4.13                                    | 2.84                           |
| Packing, packaging, and bottling machinery and parts   | 116705     | 0.31                                   | 0.37                          | 4.13                                    | 2.84                           |
| Service industry machinery and parts   | 1168       | 0.51                                   | 0.21                          | 4.74                                    | 1.83                           |
| Service industry machinery and parts   | 116801     | 0.51                                   | 0.21                          | 4.74                                    | 1.83                           |
| Commercial laundry and drycleaning machinery products  | 1169       | 0.00                                   | 0.00                          | 2.46                                    | 0.66                           |
| Commercial laundry and drycleaning machinery products  | 116909     | 0.00                                   | 0.00                          | 2.46                                    | 0.66                           |
| Electrical machinery and equipment   | 117        | 0.41                                   | 0.11                          | 1.97                                    | 0.47                           |
| Wiring devices   | 1171       | 1.96                                   | 0.76                          | 17.32                                   | 3.89                           |
| Current-carrying wiring devices  | 117101     | 0.61                                   | 0.42                          | 6.70                                    | 1.71                           |
| Noncurrent-carrying wiring devices   | 117102     | 2.67                                   | 1.17                          | 27.75                                   | 7.44                           |
| Integrating and measuring instruments  | 1172       | 0.17                                   | 0.21                          | 0.32                                    | 1.23                           |
| Test equipment for electrical, radio, & communication circuits & motors                      | 117205     | 0.06                                   | 0.08                          | 0.30                                    | 1.76                           |
| Electrical integrating instruments and other instruments to measure electricity              | 117209     | 0.15                                   | 0.31                          | 0.29                                    | 0.54                           |
| Motors, generators, motor generator sets   | 1173       | 0.51                                   | 0.37                          | 2.91                                    | 0.84                           |
| Fractional horsepower motors and generators  | 117303     | 0.16                                   | 0.29                          | 1.44                                    | 0.80                           |
| Integral horsepower motors and generators (excluding land transportation types)              | 117304     | 0.38                                   | 0.24                          | 5.36                                    | 0.55                           |
| Parts and supplies for motors and generators   | 117309     | 0.01                                   | 0.03                          | 0.52                                    | 0.54                           |
| Other motors and generators  | 117311     | 0.42                                   | 0.66                          | 2.73                                    | 1.85                           |
| Transformers and power regulators  | 1174       | 2.33                                   | 0.38                          | 20.52                                   | 2.92                           |
| Power and distribution transformers, except parts  | 117409     | 2.27                                   | 0.12                          | 18.61                                   | 0.32                           |
| Other transformers and parts for transformers  | 117411     | 1.95                                   | 1.48                          | 26.20                                   | 11.73                          |
| Switchgear, switchboard, industrial controls equipment                                       | 1175       | 0.51                                   | 0.35                          | 3.89                                    | 0.91                           |
| Industrial controls and related parts and accessories  | 117507     | 0.41                                   | 0.35                          | 2.52                                    | 1.51                           |
| Switchgear and switchboard apparatus   | 117522     | 0.67                                   | 0.41                          | 5.00                                    | 0.93                           |
| Communications and related equipment and miscellaneous electronic systems & equipment        | 1176       | 0.07                                   | 0.10                          | 1.24                                    | 1.15                           |
| Telephone and wireline data networking equipment   | 117601     | 0.39                                   | 0.42                          | 0.43                                    | 0.62                           |
| Other communications and related equipment, including broadcast and wireless                 | 117603     | 0.14                                   | 0.21                          | 0.53                                    | 0.61                           |
| Electronic systems and equipment, n.e.c.   | 117605     | 0.20                                   | 0.20                          | 1.76                                    | 1.78                           |
| Search, detection, navigation & guidance systems and equipment                               | 117606     | 0.00                                   | 0.00                          | 1.75                                    | 2.05                           |
| Electric lamp bulbs, tubes, and components   | 1177       | 0.06                                   | 0.16                          | 2.27                                    | 1.10                           |
| Electric lamp bulbs, tubes, and components   | 117704     | 0.06                                   | 0.16                          | 2.27                                    | 1.10                           |
| Electronic components and accessories  | 1178       | 0.22                                   | 0.17                          | 1.54                                    | 0.79                           |
| Capacitors for electronic circuitry  | 117811     | 0.08                                   | 0.09                          | 9.51                                    | 6.10                           |
| Resistors for electronic circuitry   | 117812     | 0.00                                   | 0.00                          | 1.77                                    | 0.88                           |
| Relays for electronic circuitry, industrial control overload, and switchgear type            | 117821     | 0.00                                   | 0.00                          | 1.30                                    | 1.65                           |
| Switches, mechanical, for electronic circuitry   | 117822     | 0.00                                   | 0.00                          | 2.91                                    | 1.92                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Connectors for electronic circuitry   | 117824     | 0.44                                   | 0.45                          | 4.14                                    | 1.27                           |
| Filters, crystals, and transducers  | 117828     | 0.07                                   | 0.05                          | 0.28                                    | 0.47                           |
| Integrated microcircuits  | 117839     | 0.46                                   | 0.34                          | 5.96                                    | 1.90                           |
| Other semiconductor and related devices   | 117847     | 0.15                                   | 0.19                          | 1.29                                    | 0.91                           |
| Bare printed circuit boards   | 117849     | 0.00                                   | 0.00                          | 5.00                                    | 1.52                           |
| Electronic coils, transformers, and other inductors   | 117853     | 0.79                                   | 0.46                          | 5.74                                    | 1.55                           |
| Microwave components, electron tubes, and other electronic components, n.e.c.                   | 117856     | 0.27                                   | 0.21                          | 5.24                                    | 2.68                           |
| Printed circuit assemblies, loaded boards, modules and consumer external modems                 | 117861     | 0.13                                   | 0.12                          | 0.77                                    | 1.90                           |
| Miscellaneous electrical machinery and equipment  | 1179       | 0.33                                   | 0.24                          | 0.96                                    | 1.50                           |
| Storage batteries   | 117901     | 0.76                                   | 0.32                          | 3.56                                    | 0.81                           |
| Primary batteries   | 117902     | 0.87                                   | 0.81                          | 0.71                                    | 2.24                           |
| Carbon and graphite products  | 117903     | 0.19                                   | 0.34                          | 17.21                                   | 15.23                          |
| X-ray and electromedical equipment  | 117905     | 0.01                                   | 0.01                          | 0.15                                    | 0.69                           |
| Miscellaneous electrical industrial apparatus   | 117929     | 1.28                                   | 0.92                          | 12.11                                   | 5.41                           |
| All other electrical equipment and components, except industrial                                | 117939     | 0.15                                   | 2.36                          | 4.51                                    | 7.71                           |
| Miscellaneous instruments   | 118        | 0.20                                   | 0.11                          | 1.39                                    | 0.27                           |
| Automatic environmental controls for monitoring residential, commercial, and appliance use      | 1181       | 0.72                                   | 0.51                          | 2.78                                    | 1.88                           |
| Automatic environmental controls for monitoring residential, commercial, and appliance use      | 118105     | 0.72                                   | 0.51                          | 2.78                                    | 1.88                           |
| Industrial process control instruments  | 1182       | 0.13                                   | 0.12                          | 2.02                                    | 0.59                           |
| Industrial process control instruments  | 118201     | 0.13                                   | 0.12                          | 2.02                                    | 0.59                           |
| Fluid meters and counting devices   | 1184       | 0.14                                   | 0.15                          | 2.47                                    | 1.30                           |
| Fluid meters and counting devices   | 118401     | 0.14                                   | 0.15                          | 2.47                                    | 1.30                           |
| Engineering and scientific instruments  | 1185       | 0.15                                   | 0.21                          | 0.26                                    | 0.55                           |
| Aeronautical, nautical, and navigational instruments  | 118501     | 0.03                                   | 0.12                          | 0.07                                    | 0.48                           |
| Hospital beds and specialized hospital furniture  | 118504     | 0.09                                   | 0.08                          | 0.68                                    | 1.10                           |
| Measuring instruments and lenses  | 1186       | 0.08                                   | 0.07                          | 1.26                                    | 0.39                           |
| Sighting, tracking, and fire-control equipment, optical type                                    | 118601     | 0.00                                   | 0.00                          | 0.00                                    | 0.00                           |
| All other miscellaneous optical instruments and lenses  | 118602     | 0.24                                   | 0.18                          | 1.01                                    | 0.57                           |
| Laboratory analytical instruments   | 118603     | 0.03                                   | 0.03                          | 1.54                                    | 0.52                           |
| Measuring & controlling devices, n.e.c.   | 1189       | 0.11                                   | 0.11                          | 1.20                                    | 0.33                           |
| Aircraft engine instruments   | 118901     | 0.00                                   | 0.00                          | 2.48                                    | 1.30                           |
| Nuclear radiation detection & monitoring instruments  | 118904     | 0.00                                   | 0.00                          | 1.79                                    | 0.60                           |
| Physical properties and kinematic testing equipment   | 118905     | 0.00                                   | 0.00                          | 0.61                                    | 0.30                           |
| Commercial, geophysical, meteorological & general-purpose instruments                           | 118906     | 0.23                                   | 0.27                          | 1.02                                    | 0.66                           |
| Miscellaneous machinery   | 119        | 0.31                                   | 0.15                          | 1.46                                    | 0.36                           |
| Oil field and gas field machinery   | 1191       | 0.12                                   | 0.16                          | 1.94                                    | 0.98                           |
| Oil and gas field drilling, surveying, and cementing machinery (except parts sold separately)   | 119102     | 0.05                                   | 0.05                          | 1.98                                    | 1.31                           |
| Oil field and gas field production machinery (except pumps and parts sold separately)           | 119104     | 0.00                                   | 0.00                          |   |                                |
| Parts and attachments for oil and gas field machinery and equipment                             | 119106     | 0.00                                   | 0.08                          | 0.52                                    | 1.45                           |
| Mining machinery and equipment  | 1192       | 0.28                                   | 0.20                          | 5.64                                    | 0.64                           |
| Mining machinery and equipment (except parts sold separately)                                   | 119207     | 0.26                                   | 0.16                          | 5.31                                    | 0.64                           |
| Parts and attachments for mining machinery and equipment (sold separately)                      | 119253     | 0.33                                   | 0.33                          | 5.38                                    | 1.70                           |
| Office and store machines and equipment   | 1193       | 0.00                                   | 0.00                          | 0.85                                    | 1.30                           |
| Coin-operated machines and mechanisms   | 119309     | 0.00                                   | 0.00                          | 0.46                                    | 1.37                           |
| Internal combustion engines   | 1194       | 0.05                                   | 0.07                          | 0.74                                    | 0.28                           |
| Diesel, semidiesel, and dual-fuel engines (except automotive)                                   | 119407     | 0.00                                   | 0.00                          | 0.42                                    | 0.31                           |
| Diesel, semidiesel, and dual-fuel engines for automobiles, trucks, and buses                    | 119408     | 0.00                                   | 0.00                          | 0.07                                    | 0.20                           |
| Parts & accessories for internal combustion engines, ex. aircraft & gasoline automotive engines | 119413     | 0.13                                   | 0.06                          | 1.81                                    | 0.73                           |
| Machine shop products   | 1195       | 0.23                                   | 0.31                          | 0.70                                    | 0.71                           |
| Machine shop products   | 119505     | 0.23                                   | 0.31                          | 0.70                                    | 0.71                           |
| Turbines and turbine generator sets   | 1197       | 0.18                                   | 0.06                          | 2.30                                    | 1.05                           |
| Turbines and turbine generator sets (excluding parts)   | 119701     | 0.18                                   | 0.06                          | 2.30                                    | 1.05                           |
| Parts & accesories for turbines, turbine generators, and turbine generator sets                 | 1198       | 0.00                                   | 0.00                          | 1.43                                    | 1.38                           |
| Parts & accesories for turbines, turbine generators, and turbine generator sets                 | 119801     | 0.00                                   | 0.00                          | 1.43                                    | 1.38                           |
|   |            |  |                               |   |                                |
| Furniture and household durables  | 12         | 0.74                                   | 0.26                          | 6.85                                    | 0.83                           |
| Household furniture   | 121        | 0.83                                   | 0.41                          | 7.80                                    | 1.13                           |
| Metal household furniture   | 1211       | 2.35                                   | 2.60                          | 8.42                                    | 6.15                           |
| Metal household furniture   | 121101     | 2.35                                   | 2.60                          | 8.42                                    | 6.15                           |
| Wood household furniture  | 1212       | 0.89                                   | 0.45                          | 8.12                                    | 1.58                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Living room furniture (nonupholstered), wood  | 121201     | 0.32                                   | 0.50                          | 6.33                                    | 2.10                           |
| Dining room furniture (nonupholstered), wood  | 121202     | 0.67                                   | 0.47                          | 4.92                                    | 1.99                           |
| Bedroom furniture (nonupholstered), wood  | 121203     | 0.88                                   | 0.74                          | 9.47                                    | 2.57                           |
| Other wood household furniture  | 121204     | 0.79                                   | 1.01                          | 14.02                                   | 6.39                           |
| Custom nonupholstered wood household furniture sold direct, excl. kitchen cabinets and vanities | 121205     | 0.00                                   | 0.00                          | 5.00                                    | 4.13                           |
| Upholstered household furniture   | 1213       | 1.00                                   | 0.28                          | 8.81                                    | 1.20                           |
| Upholstered household furniture   | 121301     | 1.00                                   | 0.28                          | 8.81                                    | 1.20                           |
| Bedding   | 1214       | 0.73                                   | 0.57                          | 8.08                                    | 2.58                           |
| Bedding   | 121401     | 0.73                                   | 0.57                          | 8.08                                    | 2.58                           |
| Metal porch, lawn, outdoor & casual furniture   | 1215       | 0.17                                   | 0.16                          | 5.50                                    | 0.88                           |
| Porch and lawn furniture  | 121501     | 0.17                                   | 0.16                          | 5.50                                    | 0.88                           |
| Nonupholstered household furniture, except wood and metal                                       | 1216       | 0.00                                   | 0.00                          | 0.62                                    | 1.06                           |
| Nonupholstered household furniture, except wood and metal                                       | 121601     | 0.00                                   | 0.00                          | 0.62                                    | 1.06                           |
| Commercial furniture  | 122        | 0.73                                   | 0.58                          | 9.26                                    | 2.07                           |
| Wood office furniture and store fixtures  | 1221       | 0.97                                   | 0.59                          | 7.62                                    | 2.36                           |
| Wood office furniture and store fixtures  | 122101     | 0.97                                   | 0.59                          | 7.62                                    | 2.36                           |
| Nonwood furniture and store fixtures  | 1222       | 0.77                                   | 1.22                          | 10.86                                   | 3.78                           |
| Nonwood commercial storage units, files, and tables   | 122202     | 0.91                                   | 1.24                          | 2.22                                    | 2.27                           |
| Nonwood commercial furniture  | 122203     | 0.87                                   | 1.26                          | 4.00                                    | 2.56                           |
| Nonwood partitions and fixtures   | 122204     | 1.94                                   | 2.14                          | 21.26                                   | 9.99                           |
| Public building furniture   | 1223       | 0.90                                   | 0.78                          | 6.95                                    | 2.10                           |
| Public building furniture   | 122301     | 0.90                                   | 0.78                          | 6.95                                    | 2.10                           |
| Commercial furniture and fixtures, n.e.c.   | 1224       | 1.16                                   | 0.49                          | 7.21                                    | 0.93                           |
| Commercial furniture and fixtures, n.e.c.   | 122401     | 1.16                                   | 0.49                          | 7.21                                    | 0.93                           |
| Floor coverings   | 123        | 0.43                                   | 0.65                          | 2.79                                    | 0.93                           |
| Carpets and rugs  | 1231       | 0.43                                   | 0.75                          | 2.83                                    | 1.03                           |
| Carpet and rugs   | 123101     | 0.43                                   | 0.75                          | 2.83                                    | 1.03                           |
| Resilient floor coverings   | 1232       | 0.00                                   | 0.00                          | 2.32                                    | 1.48                           |
| Household appliances  | 124        | 0.61                                   | 0.33                          | 2.92                                    | 1.48                           |
| Major appliances  | 1241       | 0.55                                   | 0.33                          | 3.04                                    | 1.68                           |
| Household cooking appliances  | 124101     | 0.82                                   | 0.58                          | 6.22                                    | 2.30                           |
| Household refrigeration equipment   | 124103     | 0.33                                   | 0.36                          | 2.44                                    | 2.67                           |
| Other major household appliances including room air-conditioners                                | 124104     | 0.95                                   | 1.08                          | 3.06                                    | 2.72                           |
| Electric housewares and fans  | 1244       | 0.32                                   | 0.37                          | 2.89                                    | 0.99                           |
| Portable residential lighting fixtures, including parts and accessories                         | 1245       | 0.51                                   | 0.71                          | 5.58                                    | 13.46                          |
| Portable residential lighting fixtures, including parts and accessories                         | 124501     | 0.51                                   | 0.71                          | 5.58                                    | 13.46                          |
| Home electronic equipment   | 125        | 0.38                                   | 0.35                          | 2.75                                    | 1.14                           |
| Speakers and commercial sound equipment   | 1257       | 0.58                                   | 0.35                          | 3.31                                    | 1.11                           |
| Speakers and commercial sound equipment   | 125707     | 0.58                                   | 0.35                          | 3.31                                    | 1.11                           |
| Other home electronic equipment   | 1258       | 0.14                                   | 0.16                          | 2.11                                    | 1.68                           |
| Other consumer audio and video equipment, including television receivers                        | 125803     | 0.14                                   | 0.16                          | 2.11                                    | 1.68                           |
| Other household durable goods   | 126        | 0.47                                   | 0.17                          | 8.93                                    | 3.19                           |
| Vitreous china, fine earthenware, and other pottery products                                    | 1261       | 0.00                                   | 0.00                          | 5.01                                    | 2.07                           |
| Vitreous china, porcelain, and earthenware table and kitchenware and other pottery products     | 126101     | 0.00                                   | 0.00                          | 5.01                                    | 2.07                           |
| Mirrors (decorated and undecorated)   | 1265       | 0.00                                   | 0.00                          | 35.22                                   | 14.60                          |
| Mirrors (decorated and undecorated), made from purchased glass                                  | 126501     | 0.00                                   | 0.00                          | 35.22                                   | 14.60                          |
| Lawn/garden equipment   | 1266       | 0.31                                   | 0.18                          | 2.88                                    | 0.75                           |
| Parts and attachments for consumer lawn, garden, and snow equipment                             | 126605     | 0.85                                   | 0.43                          | 5.08                                    | 1.64                           |
| Consumer lawn, garden, and snow equipment   | 126607     | 0.22                                   | 0.22                          | 2.27                                    | 0.86                           |
| Cutlery, flatware (except precious), razors and razor blades                                    | 1267       | 0.20                                   | 0.25                          | 3.14                                    | 1.32                           |
| Cutlery, flatware (except precious), razors and razor blades                                    | 126701     | 0.20                                   | 0.25                          | 3.14                                    | 1.32                           |
| Metal kitchen utensil, pots, and pans   | 1268       | 0.00                                   | 0.00                          | 5.64                                    | 0.91                           |
| Metal kitchen utensil, pots, and pans   | 126801     | 0.00                                   | 0.00                          | 5.64                                    | 0.91                           |
| Window shades, blinds, and accessories  | 1269       | 0.01                                   | 0.02                          | 7.41                                    | 3.10                           |
| Window shades, blinds, and accessories  | 126901     | 0.01                                   | 0.02                          | 7.41                                    | 3.10                           |
| Nonmetallic mineral products  | 13         | 0.58                                   | 0.18                          | 5.27                                    | 0.45                           |
| Glass   | 131        | 0.56                                   | 0.31                          | 4.76                                    | 1.12                           |
| Flat glass  | 1311       | 0.67                                   | 0.41                          | 5.57                                    | 1.33                           |
| Flat glass (float, sheet, and plate process)  | 131105     | 0.86                                   | 0.76                          | 8.85                                    | 2.47                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Specialty glass   | 131107     | 0.55                                   | 0.46                          | 4.63                                    | 1.56                           |
| Other finished glassware  | 1313       | 0.38                                   | 0.28                          | 2.53                                    | 1.62                           |
| Pressed and blown glassware   | 131301     | 0.38                                   | 0.28                          | 2.53                                    | 1.62                           |
| Concrete ingredients and related products   | 132        | 0.29                                   | 0.23                          | 4.07                                    | 0.59                           |
| Construction sand, gravel, and crushed stone  | 1321       | 0.27                                   | 0.30                          | 4.04                                    | 0.76                           |
| Construction sand, gravel and crushed stone   | 132101     | 0.27                                   | 0.30                          | 4.04                                    | 0.76                           |
| Cement, hydraulic   | 1322       | 0.21                                   | 0.23                          | 4.20                                    | 0.76                           |
| Cement, hydraulic   | 132201     | 0.21                                   | 0.23                          | 4.20                                    | 0.76                           |
| Concrete products   | 133        | 0.58                                   | 0.35                          | 4.37                                    | 1.27                           |
| Concrete block and brick  | 1331       | 0.40                                   | 0.26                          | 4.19                                    | 0.69                           |
| Structural concrete block   | 133111     | 0.27                                   | 0.32                          | 4.04                                    | 0.83                           |
| Decorative concrete block   | 133121     | 0.40                                   | 0.39                          | 3.93                                    | 1.14                           |
| Concrete brick  | 133131     | 0.05                                   | 0.14                          | 3.54                                    | 2.65                           |
| Concrete pavers   | 133141     | 0.38                                   | 0.45                          | 5.25                                    | 1.52                           |
| Concrete pipe   | 1332       | 1.19                                   | 1.08                          | 2.91                                    | 1.50                           |
| Concrete pipe   | 133201     | 1.19                                   | 1.08                          | 2.91                                    | 1.50                           |
| Ready-mix concrete  | 1333       | 0.52                                   | 0.57                          | 2.86                                    | 2.03                           |
| Ready-mix concrete  | 133301     | 0.52                                   | 0.57                          | 2.86                                    | 2.03                           |
| Precast concrete products   | 1334       | 0.87                                   | 0.72                          | 8.65                                    | 2.21                           |
| Precast concrete products   | 133401     | 0.87                                   | 0.72                          | 8.65                                    | 2.21                           |
| Prestressed concrete products   | 1335       | 0.80                                   | 1.02                          | 8.59                                    | 9.40                           |
| Prestressed concrete products   | 133501     | 0.80                                   | 1.02                          | 8.59                                    | 9.40                           |
| Clay construction products ex. refractories   | 134        | 0.56                                   | 0.16                          | 3.56                                    | 0.70                           |
| Brick and structural clay tile  | 1342       | 0.26                                   | 0.14                          | 4.47                                    | 0.64                           |
| Building or common brick  | 134201     | 0.21                                   | 0.15                          | 4.47                                    | 0.67                           |
| Glazed brick and other brick (paving, floor, and sewer)                                       | 134202     | 0.00                                   | 0.01                          | 3.17                                    | 0.70                           |
| Clay floor and wall tile, glazed and unglazed   | 1344       | 0.06                                   | 0.07                          | 1.95                                    | 1.36                           |
| Clay floor and wall tile, glazed and unglazed (including quarry tile and ceramic mosaic tile) | 134401     | 0.06                                   | 0.07                          | 1.95                                    | 1.36                           |
| Structural clay products, n.e.c.  | 1345       | 0.00                                   | 0.00                          | 4.60                                    | 1.72                           |
| Structural clay products, n.e.c.  | 134501     | 0.00                                   | 0.00                          | 4.60                                    | 1.72                           |
| Refractories  | 135        | 0.40                                   | 0.47                          | 4.07                                    | 2.54                           |
| Clay refractories   | 1352       | 0.03                                   | 0.04                          | 8.24                                    | 5.58                           |
| Clay refractories   | 135201     | 0.03                                   | 0.04                          | 8.24                                    | 5.58                           |
| Nonclay refractories  | 1353       | 0.58                                   | 0.67                          | 1.43                                    | 1.30                           |
| Nonclay refractories (excluding dead-burned magnesia)   | 135301     | 0.58                                   | 0.67                          | 1.43                                    | 1.30                           |
| Asphalt felts and coatings  | 136        | 1.04                                   | 0.75                          | 11.25                                   | 4.43                           |
| Prepared asphalt and tar roofing and siding products  | 1361       | 1.12                                   | 0.85                          | 12.57                                   | 5.06                           |
| Prepared asphalt and tar roofing and siding products  | 136101     | 1.12                                   | 0.85                          | 12.57                                   | 5.06                           |
| Roofing asphalts, pitches, coatings, and cement   | 1362       | 0.09                                   | 0.09                          | 3.28                                    | 0.66                           |
| Roofing asphalts, pitches, coatings, and cement   | 136201     | 0.09                                   | 0.09                          | 3.28                                    | 0.66                           |
| Gypsum products   | 137        | 1.51                                   | 0.47                          | 19.56                                   | 1.63                           |
| Gypsum products   | 1371       | 1.51                                   | 0.47                          | 19.56                                   | 1.63                           |
| Gypsum products   | 137101     | 1.51                                   | 0.47                          | 19.56                                   | 1.63                           |
| Glass containers  | 138        | 0.06                                   | 0.16                          | 4.87                                    | 2.80                           |
| Glass containers  | 1381       | 0.06                                   | 0.16                          | 4.87                                    | 2.80                           |
| Glass containers (including value of packaging)   | 138101     | 0.06                                   | 0.16                          | 4.87                                    | 2.80                           |
| Other nonmetallic minerals  | 139        | 0.83                                   | 0.29                          | 4.47                                    | 0.63                           |
| Insulation materials  | 1392       | 0.67                                   | 0.90                          | 10.47                                   | 1.52                           |
| Mineral wool for thermal and acoustical envelope insulation                                   | 139201     | 0.94                                   | 1.15                          | 12.85                                   | 2.21                           |
| Mineral wool for industrial, equipment, and appliance insulation                              | 139202     | 0.49                                   | 0.65                          | 5.08                                    | 1.42                           |
| Paving mixtures and blocks  | 1394       | 0.83                                   | 0.61                          | 5.17                                    | 1.55                           |
| Paving mixtures and blocks  | 139401     | 0.83                                   | 0.61                          | 5.17                                    | 1.55                           |
| Cut stone and stone products  | 1395       | 0.98                                   | 0.95                          | 5.28                                    | 1.65                           |
| Cut stone and stone products  | 139501     | 0.98                                   | 0.95                          | 5.28                                    | 1.65                           |
| Gaskets, packing, and sealing devices   | 1398       | 0.38                                   | 0.36                          | 4.03                                    | 0.99                           |
| Gaskets and gasketing material  | 139801     | 0.31                                   | 0.34                          | 4.63                                    | 1.26                           |
| Packing and sealing   | 139802     | 0.57                                   | 0.32                          | 3.35                                    | 1.50                           |
| Nonmetallic minerals and products, n.e.c.   | 1399       | 0.19                                   | 0.23                          | 1.45                                    | 0.77                           |
| Industrial sand   | 139901     | 0.00                                   | 0.00                          | 4.26                                    | 1.54                           |
| Clay and stone mining and quarrying   | 139902     | 0.16                                   | 0.28                          | 0.47                                    | 1.00                           |



**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index  | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|--|------------|--|-------------------------------|---|--------------------------------|
| All other miscellaneous nonmetallic mineral products   | 139903     | 0.15                                   | 0.28                          | 2.30                                    | 1.08                           |
| Transportation equipment   | 14         | 0.32                                   | 0.08                          | 2.81                                    | 0.27                           |
| Motor vehicles and equipment   | 141        | 0.39                                   | 0.12                          | 3.62                                    | 0.41                           |
| Motor vehicles   | 1411       | 0.20                                   | 0.15                          | 2.75                                    | 0.46                           |
| Passenger cars and chassis   | 141101     | 0.30                                   | 0.26                          | 2.42                                    | 0.82                           |
| Motorcycles, including three-wheel motorbikes, motorscooters, mopeds, and parts              | 141104     | 0.00                                   | 0.00                          | 0.06                                    | 0.17                           |
| Trucks, truck tractors, & bus chassis 14,000 lb or less, incl. minivans & suvs               | 141105     | 0.16                                   | 0.20                          | 3.53                                    | 0.73                           |
| Trucks, over 14,000 lbs GVW  | 141106     | 0.05                                   | 0.03                          | 0.79                                    | 0.26                           |
| Motor vehicles parts   | 1412       | 0.42                                   | 0.14                          | 2.96                                    | 0.70                           |
| Motor vehicles parts   | 141205     | 0.42                                   | 0.14                          | 2.96                                    | 0.70                           |
| Truck and bus bodies   | 1413       | 0.65                                   | 0.23                          | 5.40                                    | 0.93                           |
| Truck and bus bodies sold separately   | 141301     | 0.52                                   | 0.37                          | 7.25                                    | 1.78                           |
| Complete vehicles on purchased chassis   | 141302     | 0.37                                   | 0.13                          | 3.50                                    | 0.46                           |
| Truck trailers   | 1414       | 1.04                                   | 0.46                          | 10.77                                   | 1.32                           |
| Truck trailers   | 141406     | 1.04                                   | 0.46                          | 10.77                                   | 1.32                           |
| Motor homes, built on purchased chassis  | 1415       | 0.21                                   | 0.19                          | 4.22                                    | 1.14                           |
| Motor homes, built on purchased chassis  | 141501     | 0.21                                   | 0.19                          | 4.22                                    | 1.14                           |
| Travel trailers and campers  | 1416       | 1.72                                   | 0.38                          | 11.72                                   | 2.02                           |
| Travel trailers  | 141601     | 1.77                                   | 0.36                          | 12.82                                   | 2.04                           |
| Camping trailers, campers, pick-up covers, and parts   | 141602     | 0.99                                   | 0.69                          | 8.09                                    | 5.62                           |
| Aircraft and aircraft equipment  | 142        | 0.08                                   | 0.07                          | 1.16                                    | 0.27                           |
| Aircraft   | 1421       | 0.12                                   | 0.02                          | 1.16                                    | 0.18                           |
| Civilian aircraft  | 142102     | 0.19                                   | 0.01                          | 1.80                                    | 0.08                           |
| Military aircraft  | 142104     | 0.00                                   | 0.00                          | 0.02                                    | 0.43                           |
| Aircraft engine and engine parts   | 1423       | 0.06                                   | 0.07                          | 1.62                                    | 0.79                           |
| Aircraft engine and engine parts   | 142301     | 0.06                                   | 0.07                          | 1.62                                    | 0.79                           |
| Other aircraft parts and equipment   | 1425       | 0.11                                   | 0.14                          | 0.96                                    | 0.78                           |
| Other aircraft parts and equipment   | 142501     | 0.11                                   | 0.14                          | 0.96                                    | 0.78                           |
| Ships and boats  | 143        | 0.38                                   | 0.19                          | 2.05                                    | 0.57                           |
| Ships  | 1431       | 0.19                                   | 0.27                          | 0.63                                    | 0.74                           |
| Military self-propelled ships, new construction  | 143102     | 0.07                                   | 0.08                          | 0.28                                    | 0.33                           |
| Nonmilitary self-propelled ships, new construction   | 143103     | 0.16                                   | 0.40                          | 3.30                                    | 4.08                           |
| Boats  | 1432       | 0.49                                   | 0.19                          | 5.35                                    | 0.61                           |
| Outboard motorboats, including commercial and military (except sailboats and lifeboats)      | 143201     | 0.55                                   | 0.18                          | 7.24                                    | 0.65                           |
| Inboard motorboats, including commercial and military (except sailboats and lifeboats)       | 143202     | 0.26                                   | 0.28                          | 3.64                                    | 1.78                           |
| Inboard-outdrive boats, including commercial and military (except sailboats and lifeboats)   | 143203     | 0.38                                   | 0.13                          | 3.44                                    | 0.99                           |
| All other boats (excluding military and commercial)  | 143204     | 0.00                                   | 0.00                          |   |                                |
| Railroad equipment   | 144        | 0.10                                   | 0.10                          | 0.89                                    | 0.50                           |
| Railroad cars and car parts  | 1442       | 0.10                                   | 0.10                          | 0.89                                    | 0.50                           |
| Railway maintenance of way equipment & parts, railcar parts, & other railway vehicles        | 144203     | 0.28                                   | 0.24                          | 2.49                                    | 1.25                           |
| Railroad cars  | 144204     | 0.00                                   | 0.00                          | 0.01                                    | 0.15                           |
| Transportation equipment, n.e.c.   | 149        | 0.74                                   | 0.34                          | 4.72                                    | 2.00                           |
| Transportation equipment, n.e.c.   | 1491       | 0.74                                   | 0.34                          | 4.72                                    | 2.00                           |
| Other transportation equipment, incl. golf carts, vehicle trailers, and all-terrain vehicles | 149111     | 0.74                                   | 0.34                          | 4.72                                    | 2.00                           |
| Miscellaneous products   | 15         | 0.51                                   | 0.15                          | 5.21                                    | 0.60                           |
| Toys, sporting goods, small arms, etc.   | 151        | 0.71                                   | 0.45                          | 6.67                                    | 2.15                           |
| Toys, games, and children's vehicles   | 1511       | 0.11                                   | 0.14                          | 5.46                                    | 6.54                           |
| Toys, games, and children's vehicles   | 151101     | 0.11                                   | 0.14                          | 5.46                                    | 6.54                           |
| Sporting and athletic goods  | 1512       | 1.22                                   | 0.87                          | 9.35                                    | 5.30                           |
| Sporting and athletic goods  | 151201     | 1.22                                   | 0.87                          | 9.35                                    | 5.30                           |
| Small arms and ammunition  | 1513       | 0.13                                   | 0.26                          | 3.07                                    | 1.65                           |
| Small arms   | 151301     | 0.07                                   | 0.13                          | 1.01                                    | 0.81                           |
| Small arms ammunition  | 151302     | 0.00                                   | 0.00                          | 6.96                                    | 3.91                           |
| Other small arms ammunition products   | 151303     | 0.00                                   | 0.00                          | 1.31                                    | 3.06                           |
| Tobacco products, incl. stemmed & redried  | 152        | 0.59                                   | 0.15                          | 7.87                                    | 0.46                           |
| Cigarettes, excluding electronic   | 1521       | 0.66                                   | 0.14                          | 8.41                                    | 0.54                           |
| Cigarettes, excluding electronic   | 152101     | 0.66                                   | 0.14                          | 8.41                                    | 0.54                           |
| Stemmed and redried tobacco  | 1524       | 0.03                                   | 0.02                          | 0.40                                    | 0.49                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index  | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|--|------------|--|-------------------------------|---|--------------------------------|
| Stemmed and redried tobacco  | 152402     | 0.03                                   | 0.02                          | 0.40                                    | 0.49                           |
| Other tobacco products   | 1525       | 0.09                                   | 0.01                          | 5.63                                    | 0.53                           |
| Other tobacco products   | 152501     | 0.09                                   | 0.01                          | 5.63                                    | 0.53                           |
| Notions  | 153        | 0.53                                   | 0.36                          | 3.88                                    | 1.10                           |
| Fasteners, zippers, buttons, needles, pins, and buckles                              | 1532       | 0.53                                   | 0.36                          | 3.88                                    | 1.10                           |
| Fasteners, zippers, buttons, needles, pins, and buckles                              | 153201     | 0.53                                   | 0.36                          | 3.88                                    | 1.10                           |
| Photographic equipment and supplies  | 154        | 0.50                                   | 0.57                          | 3.97                                    | 1.38                           |
| Photographic and photocopying equipment  | 1541       | 0.00                                   | 0.00                          | 4.85                                    | 0.96                           |
| Photographic and photocopying equipment  | 154107     | 0.00                                   | 0.00                          | 4.85                                    | 0.96                           |
| Photographic supplies  | 1542       | 0.63                                   | 0.75                          | 4.18                                    | 1.68                           |
| Photographic supplies  | 154206     | 0.63                                   | 0.75                          | 4.18                                    | 1.68                           |
| Mobile homes   | 155        | 2.01                                   | 0.58                          | 25.08                                   | 3.95                           |
| Manufactured homes (mobile homes), all sizes (incl. multisection)                    | 1553       | 2.01                                   | 0.58                          | 25.08                                   | 3.95                           |
| Manufactured mobile homes and nonresidential mobile buildings                        | 155303     | 2.01                                   | 0.58                          | 25.08                                   | 3.95                           |
| Medical, surgical & personal aid devices   | 156        | 0.22                                   | 0.23                          | 1.03                                    | 0.55                           |
| Surgical and medical instruments   | 1562       | 0.18                                   | 0.23                          | 0.30                                    | 0.66                           |
| Surgical and medical instruments   | 156201     | 0.18                                   | 0.23                          | 0.30                                    | 0.66                           |
| Medical and surgical appliances and supplies   | 1563       | 0.21                                   | 0.26                          | 1.90                                    | 1.03                           |
| Medical and surgical appliances and supplies   | 156301     | 0.21                                   | 0.26                          | 1.90                                    | 1.03                           |
| Ophthalmic goods   | 1564       | 0.02                                   | 0.04                          | 2.32                                    | 0.60                           |
| Ophthalmic goods   | 156401     | 0.02                                   | 0.04                          | 2.32                                    | 0.60                           |
| Dental equipment and supplies  | 1565       | 1.22                                   | 1.10                          | 4.73                                    | 3.46                           |
| Dental equipment and supplies  | 156501     | 1.22                                   | 1.10                          | 4.73                                    | 3.46                           |
| Other industrial safety equipment  | 157        | 0.01                                   | 0.06                          | 5.43                                    | 1.92                           |
| Personal safety equipment and clothing   | 1571       | 0.01                                   | 0.06                          | 5.43                                    | 1.92                           |
| Personal safety equipment and clothing   | 157108     | 0.01                                   | 0.06                          | 5.43                                    | 1.92                           |
| Other miscellaneous products   | 159        | 0.80                                   | 0.56                          | 5.59                                    | 1.86                           |
| Burial caskets   | 1591       | 0.26                                   | 0.09                          | 4.04                                    | 0.34                           |
| Burial caskets   | 159101     | 0.26                                   | 0.09                          | 4.04                                    | 0.34                           |
| Musical instruments  | 1593       | 0.32                                   | 0.15                          | 4.69                                    | 1.55                           |
| Musical instruments  | 159301     | 0.32                                   | 0.15                          | 4.69                                    | 1.55                           |
| Jewelry and jewelry products   | 1594       | 0.70                                   | 0.34                          | 4.22                                    | 1.35                           |
| Jewelry (gold and platinum) and silverware   | 159402     | 0.90                                   | 0.44                          | 4.27                                    | 1.63                           |
| Costume jewelry and novelties  | 159404     | 0.00                                   | 0.00                          | 3.17                                    | 2.03                           |
| All other jewelry and personal goods (excluding costume)                             | 159407     | 0.62                                   | 0.50                          | 7.69                                    | 2.82                           |
| Jewelers' material and lapidary work   | 159408     | 0.17                                   | 0.42                          | 2.40                                    | 3.26                           |
| Pens, pencils, and marking devices   | 1595       | 0.09                                   | 0.11                          | 1.00                                    | 0.31                           |
| Pens, markers, mechanical pencils, and associated parts                              | 159502     | 0.00                                   | 0.00                          | 1.12                                    | 0.63                           |
| Lead pencils, art goods, office supplies and small office equipment, excluding paper | 159503     | 0.00                                   | 0.00                          | 1.23                                    | 0.57                           |
| Marking devices  | 159504     | 0.00                                   | 0.00                          | 0.48                                    | 0.31                           |
| Watches, clocks, watchcases, and parts   | 1596       | 0.00                                   | 0.00                          | 0.00                                    | 0.00                           |
| Watches, clocks, watchcases, and parts   | 159603     | 0.00                                   | 0.00                          | 0.00                                    | 0.00                           |
| Brooms and brushes   | 1597       | 0.16                                   | 0.11                          | 1.58                                    | 0.63                           |
| Brooms, brushes and mops   | 159705     | 0.16                                   | 0.11                          | 1.58                                    | 0.63                           |
| Miscellaneous products, n.e.c.   | 159A       | 1.17                                   | 0.95                          | 7.59                                    | 3.27                           |
| Candles  | 159A01     | 0.00                                   | 0.00                          | 0.04                                    | 0.56                           |
| Signs and advertising displays   | 159A04     | 0.80                                   | 0.83                          | 4.73                                    | 3.78                           |
| All other miscellaneous fabricated products and recyclable materials                 | 159A09     | 1.21                                   | 1.46                          | 11.54                                   | 6.25                           |
| Reproduction of audio and video media and software                                   | 159D       | 0.08                                   | 0.08                          | 6.03                                    | 2.21                           |
| Reproduction of audio and video media and software                                   | 159D01     | 0.08                                   | 0.08                          | 6.03                                    | 2.21                           |
|  |            |  |                               |   |                                |
|  |            |  |                               |   |                                |
| <b>Services</b>  |            |  |                               |   |                                |
| Transportation services  | 30         | 1.42                                   | 0.43                          | 8.65                                    | 0.85                           |
| Transportation of freight and mail   | 301        | 1.04                                   | 0.42                          | 9.59                                    | 0.88                           |
| Rail transportation of freight and mail  | 3011       | 0.66                                   | 0.10                          | 6.19                                    | 0.42                           |
| Rail transportation of freight and mail  | 301101     | 0.66                                   | 0.10                          | 6.19                                    | 0.42                           |
| Truck transportation of freight  | 3012       | 1.40                                   | 0.79                          | 14.25                                   | 1.88                           |
| Local motor carrying   | 301201     | 0.45                                   | 0.41                          | 6.94                                    | 4.05                           |
| Long-distance motor carrying   | 301202     | 1.56                                   | 0.85                          | 16.43                                   | 2.43                           |
| Water transportation of freight  | 3013       | 1.77                                   | 1.31                          | 7.86                                    | 2.24                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Deep sea water transportation of freight                            | 301301     | 2.83                                   | 2.29                          | 16.51                                   | 4.15                           |
| Coastal and intercoastal water transportation of freight            | 301302     | 1.59                                   | 0.17                          | 5.83                                    | 0.97                           |
| Great Lakes-St Lawrence Seaway water transportation of freight      | 301303     | 0.80                                   | 0.43                          | 10.88                                   | 1.33                           |
| Inland waterways transportation of freight                          | 301304     | 0.30                                   | 0.25                          | 8.24                                    | 2.36                           |
| Air transportation of freight                                       | 3014       | 1.50                                   | 1.78                          | 2.86                                    | 4.29                           |
| Air transportation of freight                                       | 301401     | 1.50                                   | 1.78                          | 2.86                                    | 4.29                           |
| Pipeline transportation (partial)                                   | 3015       | 0.00                                   | 0.00                          | 2.64                                    | 0.15                           |
| Pipeline transportation of petroleum products                       | 301501     | 0.00                                   | 0.00                          | 2.64                                    | 0.15                           |
| Courier, messenger, and U.S. postal services                        | 3016       | 0.35                                   | 0.04                          | 4.84                                    | 0.76                           |
| U.S. Postal Service   | 301601     | 0.00                                   | 0.00                          | 1.99                                    | 1.68                           |
| Courier and messenger services, except air                          | 301602     | 0.16                                   | 0.06                          | 5.77                                    | 0.35                           |
| Air mail and package delivery services, excluding by USPS           | 301603     | 0.86                                   | 0.02                          | 9.89                                    | 0.31                           |
| Transportation of passengers (partial)                              | 302        | 4.59                                   | 1.26                          | 10.57                                   | 1.84                           |
| Rail transportation of passengers                                   | 3021       | 0.01                                   | 0.01                          | 1.77                                    | 0.86                           |
| Rail transportation of passengers                                   | 302101     | 0.01                                   | 0.01                          | 1.77                                    | 0.86                           |
| Airline passenger services  | 3022       | 4.67                                   | 1.29                          | 10.75                                   | 1.88                           |
| Airline passenger services  | 302201     | 4.67                                   | 1.29                          | 10.75                                   | 1.88                           |
|   |            |  |                               |   |                                |
| Services related to transportation activities                       | 31         | 1.99                                   | 2.63                          | 22.93                                   | 12.32                          |
| Services related to water transportation                            | 311        | 0.36                                   | 0.32                          | 3.67                                    | 0.81                           |
| Towing, tugging, docking, and related services                      | 3111       | 0.49                                   | 0.65                          | 7.46                                    | 2.65                           |
| Towing, tugging, docking and related services                       | 311101     | 0.49                                   | 0.65                          | 7.46                                    | 2.65                           |
| Operation of port waterfront terminals                              | 3112       | 0.67                                   | 0.89                          | 1.59                                    | 1.54                           |
| Operation of port waterfront terminals                              | 311201     | 0.67                                   | 0.89                          | 1.59                                    | 1.54                           |
| Marine cargo handling   | 3113       | 0.05                                   | 0.07                          | 1.94                                    | 0.25                           |
| Marine cargo handling   | 311301     | 0.05                                   | 0.07                          | 1.94                                    | 0.25                           |
| Services related to air transportation                              | 312        | 1.23                                   | 0.86                          | 10.05                                   | 3.94                           |
| Other airport operations, excluding aircraft maintenance and repair | 3121       | 1.23                                   | 0.86                          | 10.05                                   | 3.94                           |
| Other airport operations, excluding aircraft maintenance and repair | 312101     | 1.23                                   | 0.86                          | 10.05                                   | 3.94                           |
| Other services related to transportation activities (partial)       | 313        | 3.19                                   | 4.66                          | 32.80                                   | 24.21                          |
| Arrangement of freight and cargo                                    | 3131       | 3.99                                   | 7.75                          | 56.39                                   | 43.58                          |
| Arrangement of freight and cargo                                    | 313101     | 3.99                                   | 7.75                          | 56.39                                   | 43.58                          |
| Freight forwarding  | 3132       | 1.04                                   | 1.48                          | 8.38                                    | 4.53                           |
| Freight forwarding  | 313201     | 1.04                                   | 1.48                          | 8.38                                    | 4.53                           |
|   |            |  |                               |   |                                |
| Warehousing, storage, and related services                          | 32         | 0.96                                   | 0.97                          | 5.66                                    | 3.99                           |
| Warehousing, storage, and related services                          | 321        | 0.96                                   | 0.97                          | 5.66                                    | 3.99                           |
| Warehousing, storage, and related services                          | 3211       | 0.96                                   | 0.97                          | 5.66                                    | 3.99                           |
| Warehousing, storage, and related services                          | 321101     | 0.96                                   | 0.97                          | 5.66                                    | 3.99                           |
|   |            |  |                               |   |                                |
| Publishing sales, excluding software                                | 33         | 0.19                                   | 0.25                          | 3.41                                    | 1.08                           |
| Book, periodical, and newspaper publishing sales and subscriptions  | 331        | 0.41                                   | 0.36                          | 3.76                                    | 1.53                           |
| Sales of books  | 3311       | 0.46                                   | 0.59                          | 4.33                                    | 1.21                           |
| Sales of textbooks  | 331101     | 1.02                                   | 1.16                          | 2.75                                    | 1.94                           |
| Sales of technical, scientific, and professional books              | 331102     | 1.13                                   | 0.67                          | 8.89                                    | 2.80                           |
| Sales of religious books  | 331103     | 1.82                                   | 1.85                          | 1.21                                    | 1.85                           |
| Sales of general adult and juvenile books                           | 331104     | 0.74                                   | 0.82                          | 2.30                                    | 1.25                           |
| Sales of general reference books                                    | 331105     | 2.18                                   | 1.46                          | 12.58                                   | 8.34                           |
| Sales of digital books  | 331106     | 1.41                                   | 1.48                          | 1.62                                    | 1.76                           |
| Sales and subscriptions of periodicals and newspapers               | 3312       | 0.40                                   | 0.36                          | 3.35                                    | 2.94                           |
| Sales and subscriptions of periodicals                              | 331201     | 0.00                                   | 0.00                          | 0.77                                    | 0.81                           |
| Newspaper subscription and single copy sales                        | 331202     | 0.76                                   | 0.68                          | 5.87                                    | 5.64                           |
| Directory, mailing list, and related compilations publishing sales  | 332        | 2.00                                   | 3.11                          | 4.46                                    | 6.07                           |
| Directory, mailing list, and related compilations publishing sales  | 3321       | 2.00                                   | 3.11                          | 4.46                                    | 6.07                           |
| Directory, mailing list, and related compilations publishing sales  | 332101     | 2.00                                   | 3.11                          | 4.46                                    | 6.07                           |
| Greeting card publishing sales                                      | 333        | 0.05                                   | 0.07                          | 0.15                                    | 0.16                           |
| Greeting card publishing sales                                      | 3331       | 0.05                                   | 0.07                          | 0.15                                    | 0.16                           |
| Greeting card publishing sales                                      | 333101     | 0.05                                   | 0.07                          | 0.15                                    | 0.16                           |
| Calendars, yearbooks, and other miscellaneous publishing sales      | 334        | 0.34                                   | 0.64                          | 4.05                                    | 4.32                           |
| Calendars, yearbooks, and other miscellaneous publishing sales      | 3341       | 0.34                                   | 0.64                          | 4.05                                    | 4.32                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Calendars, yearbooks, and other miscellaneous publishing sales                              | 334101     | 0.34                                   | 0.64                          | 4.05                                    | 4.32                           |
| Internet publishing and broadcasting subscription, content access, and licensing sales      | 335        | 0.12                                   | 0.13                          | 3.11                                    | 1.77                           |
| Internet publishing and broadcasting subscription, content access, and licensing sales      | 3351       | 0.12                                   | 0.13                          | 3.11                                    | 1.77                           |
| Internet publishing and broadcasting subscription, content access, and licensing sales      | 335101     | 0.12                                   | 0.13                          | 3.11                                    | 1.77                           |
| Software publishing   | 34         | 0.45                                   | 0.65                          | 0.72                                    | 1.37                           |
| Application software publishing   | 342        | 0.65                                   | 0.86                          | 0.79                                    | 1.88                           |
| Application software publishing   | 3421       | 0.65                                   | 0.86                          | 0.79                                    | 1.88                           |
| Desktop and portable device application software publishing                                 | 342101     | 0.60                                   | 1.14                          | 0.61                                    | 1.09                           |
| Application software publishing, cross-industry, vertical market, utilities, and other      | 342103     | 1.50                                   | 1.05                          | 1.42                                    | 3.38                           |
| Application software publishing, game software  | 342104     | 0.91                                   | 2.42                          | 6.57                                    | 7.48                           |
| Network compensation from broadcast and cable television and radio                          | 35         | 0.06                                   | 0.04                          | 3.88                                    | 0.74                           |
| Affiliate agreements, programming sales, and retransmission fees for cable and broadcast tv | 351        | 0.06                                   | 0.04                          | 3.95                                    | 0.75                           |
| Affiliate agreements, programming sales, and retransmission fees for cable and broadcast tv | 3511       | 0.06                                   | 0.04                          | 3.95                                    | 0.75                           |
| Affiliate agreements, programming sales, and retransmission fees for cable and broadcast tv | 351101     | 0.06                                   | 0.04                          | 3.95                                    | 0.75                           |
| Affiliate agreements, programming sales, and retransmission fees for radio                  | 352        | 0.00                                   | 0.00                          | 0.00                                    | 0.00                           |
| Affiliate agreements, programming sales, and retransmission fees for radio                  | 3521       | 0.00                                   | 0.00                          | 0.00                                    | 0.00                           |
| Affiliate agreements, programming sales, and retransmission fees for radio                  | 352101     | 0.00                                   | 0.00                          | 0.00                                    | 0.00                           |
| Advertising space and time sales  | 36         | 1.23                                   | 1.09                          | 2.57                                    | 3.35                           |
| Advertising space sales in periodicals, newspapers, directories, and mailing lists          | 361        | 0.35                                   | 0.52                          | 1.53                                    | 1.60                           |
| Advertising space sales in periodicals and newspapers                                       | 3611       | 0.42                                   | 0.62                          | 1.84                                    | 1.92                           |
| Advertising space sales in periodicals  | 361101     | 0.52                                   | 0.72                          | 1.36                                    | 0.95                           |
| Advertising space sales in newspapers   | 361102     | 0.41                                   | 1.00                          | 2.18                                    | 3.36                           |
| Advertising space sales in directories and mailing lists                                    | 3612       | 0.00                                   | 0.00                          | 0.04                                    | 0.04                           |
| Advertising space sales in directories and mailing lists                                    | 361201     | 0.00                                   | 0.00                          | 0.04                                    | 0.04                           |
| Television advertising time sales   | 362        | 2.56                                   | 2.29                          | 5.68                                    | 7.76                           |
| Television advertising time sales   | 3621       | 2.56                                   | 2.29                          | 5.68                                    | 7.76                           |
| Broadcast and network television advertising time sales                                     | 362101     | 2.79                                   | 1.87                          | 9.00                                    | 4.27                           |
| Cable network advertising time sales  | 362102     | 4.72                                   | 3.51                          | 12.53                                   | 14.87                          |
| Local cable system advertising time sales   | 362103     | 0.00                                   | 0.00                          | 16.45                                   | 16.45                          |
| Radio advertising time sales  | 363        | 1.73                                   | 1.88                          | 11.19                                   | 4.35                           |
| Radio advertising time sales  | 3631       | 1.73                                   | 1.88                          | 11.19                                   | 4.35                           |
| Radio advertising time sales  | 363101     | 1.73                                   | 1.88                          | 11.19                                   | 4.35                           |
| Internet advertising sales, excluding Internet advertising sold by print publishers         | 365        | 1.01                                   | 2.39                          | 9.68                                    | 5.71                           |
| Internet advertising sales, excluding Internet advertising sold by print publishers         | 3651       | 1.01                                   | 2.39                          | 9.68                                    | 5.71                           |
| Internet advertising sales, excluding Internet advertising sold by print publishers         | 365101     | 1.01                                   | 2.39                          | 9.68                                    | 5.71                           |
| Telecommunication, cable, and internet user services  | 37         | 0.26                                   | 0.34                          | 1.07                                    | 0.91                           |
| Wired telephone services  | 371        | 0.11                                   | 0.18                          | 0.62                                    | 2.76                           |
| Residential wired telephone services  | 3711       | 0.25                                   | 0.33                          | 1.89                                    | 1.95                           |
| Local residential wired telephone service   | 371101     | 0.00                                   | 0.00                          | 0.00                                    | 0.00                           |
| Long distance residential wired telephone service   | 371102     | 0.59                                   | 0.54                          | 4.58                                    | 3.82                           |
| All-distance residential wired telephone service  | 371103     | 0.00                                   | 0.00                          | 4.51                                    | 4.27                           |
| Business wired telephone services   | 3712       | 0.09                                   | 0.22                          | 2.19                                    | 4.78                           |
| Local business wired telephone service  | 371201     | 0.01                                   | 0.02                          | 0.62                                    | 0.55                           |
| Long distance business wired telephone service  | 371202     | 0.69                                   | 1.36                          | 1.41                                    | 9.56                           |
| Private line wired telephone service  | 371204     | 0.00                                   | 0.00                          | 4.47                                    | 8.75                           |
| Other wired telephone services  | 3713       | 0.00                                   | 0.00                          | 0.54                                    | 1.34                           |
| Other wired telephone services  | 371301     | 0.00                                   | 0.00                          | 0.54                                    | 1.34                           |
| Wireless telecommunication services   | 372        | 0.01                                   | 0.02                          | 0.84                                    | 1.44                           |
| Cellular phone and other wireless telecommunication services                                | 3721       | 0.01                                   | 0.02                          | 0.84                                    | 1.44                           |
| Cellular phone and other wireless telecommunication services                                | 372101     | 0.01                                   | 0.02                          | 0.84                                    | 1.44                           |
| Cable and satellite subscriber services   | 373        | 0.06                                   | 0.08                          | 4.46                                    | 1.54                           |
| Cable and satellite subscriber services   | 3731       | 0.06                                   | 0.08                          | 4.46                                    | 1.54                           |
| Cable and satellite subscriber services   | 373101     | 0.06                                   | 0.08                          | 4.46                                    | 1.54                           |
| Internet access services  | 374        | 0.04                                   | 0.05                          | 0.67                                    | 2.99                           |
| Internet access services  | 3741       | 0.04                                   | 0.05                          | 0.67                                    | 2.99                           |
| Residential Internet access services  | 374102     | 0.06                                   | 0.06                          | 0.67                                    | 2.50                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index  | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|--|------------|--|-------------------------------|---|--------------------------------|
| Business Internet access services  | 374103     | 0.00                                   | 0.00                          | 1.88                                    | 4.13                           |
| Bundled wired telecommunications access services                                   | 375        | 0.90                                   | 0.80                          | 1.64                                    | 1.37                           |
| Bundled wired telecommunications access services                                   | 3751       | 0.90                                   | 0.80                          | 1.64                                    | 1.37                           |
| Bundled wired telecommunications access services                                   | 375101     | 0.90                                   | 0.80                          | 1.64                                    | 1.37                           |
|  |            |  |                               |   |                                |
| Data processing and related services   | 38         | 0.06                                   | 0.11                          | 1.32                                    | 1.19                           |
| Data processing and related services   | 381        | 0.06                                   | 0.11                          | 1.32                                    | 1.19                           |
| Data processing and related services   | 3811       | 0.06                                   | 0.11                          | 1.32                                    | 1.19                           |
| Hosting, ASP and other IT infrastructure provisioning services                     | 381101     | 0.12                                   | 0.20                          | 2.29                                    | 2.06                           |
| Business process management services   | 381102     | 0.00                                   | 0.00                          | 0.02                                    | 0.01                           |
| Data management, information transformation and other services                     | 381103     | 0.00                                   | 0.00                          | 0.18                                    | 0.16                           |
|  |            |  |                               |   |                                |
| Credit intermediation services (partial)   | 39         | 1.24                                   | 0.55                          | 5.09                                    | 2.26                           |
| Loan services (partial)  | 391        | 1.54                                   | 0.82                          | 9.13                                    | 2.77                           |
| Business loans (partial)   | 3911       | 2.61                                   | 1.49                          | 14.82                                   | 5.28                           |
| Business loans (partial)   | 391101     | 2.61                                   | 1.49                          | 14.82                                   | 5.28                           |
| Consumer loans (partial)   | 3912       | 1.14                                   | 0.89                          | 3.91                                    | 2.38                           |
| Residential real estate loans (partial)  | 391201     | 1.29                                   | 1.12                          | 4.38                                    | 2.85                           |
| Vehicle loans (partial)  | 391202     | 4.75                                   | 1.83                          | 2.98                                    | 4.93                           |
| Credit cards, overdraft credit, and related plans (partial)                        | 391203     | 2.33                                   | 1.20                          | 4.76                                    | 3.68                           |
| Other loans and loan services (partial)  | 3913       | 2.39                                   | 1.45                          | 4.25                                    | 5.68                           |
| Other loans and loan services (partial)  | 391301     | 2.39                                   | 1.45                          | 4.25                                    | 5.68                           |
| Deposit services (partial)   | 392        | 1.05                                   | 0.80                          | 2.57                                    | 3.82                           |
| Deposit services (partial)   | 3921       | 1.05                                   | 0.80                          | 2.57                                    | 3.82                           |
| Deposit services (partial)   | 392101     | 1.05                                   | 0.80                          | 2.57                                    | 3.82                           |
| Other credit intermediation services, including trust services (partial)           | 393        | 0.21                                   | 0.52                          | 2.38                                    | 3.50                           |
| Other credit intermediation services, including trust services (partial)           | 3931       | 0.21                                   | 0.52                          | 2.38                                    | 3.50                           |
| Other credit intermediation services, including trust services (partial)           | 393101     | 0.21                                   | 0.52                          | 2.38                                    | 3.50                           |
|  |            |  |                               |   |                                |
| Investment services  | 40         | 1.35                                   | 0.74                          | 16.22                                   | 2.71                           |
| Securities brokerage, dealing, investment advice, and related services             | 401        | 1.60                                   | 1.74                          | 10.63                                   | 6.53                           |
| Securities brokerage, dealing, investment advice, and related services             | 4011       | 1.60                                   | 1.74                          | 10.63                                   | 6.53                           |
| Securities brokerage, dealing, and investment advice                               | 401101     | 1.83                                   | 2.09                          | 14.56                                   | 8.11                           |
| Securities brokerage and dealing related services (partial)                        | 401102     | 0.58                                   | 0.29                          | 10.65                                   | 6.41                           |
| Portfolio management   | 402        | 1.27                                   | 0.40                          | 18.19                                   | 3.16                           |
| Portfolio management   | 4021       | 1.27                                   | 0.40                          | 18.19                                   | 3.16                           |
| Portfolio management   | 402101     | 1.27                                   | 0.40                          | 18.19                                   | 3.16                           |
| Investment banking   | 403        | 1.36                                   | 0.75                          | 19.85                                   | 3.33                           |
| Investment banking   | 4031       | 1.36                                   | 0.75                          | 19.85                                   | 3.33                           |
| Investment banking   | 403101     | 1.36                                   | 0.75                          | 19.85                                   | 3.33                           |
|  |            |  |                               |   |                                |
| Insurance and annuities  | 41         | 0.07                                   | 0.12                          | 0.26                                    | 0.39                           |
| Insurance  | 411        | 0.06                                   | 0.13                          | 0.18                                    | 0.41                           |
| Insurance  | 4111       | 0.06                                   | 0.13                          | 0.18                                    | 0.41                           |
| Life insurance   | 411101     | 0.06                                   | 0.07                          | 0.41                                    | 0.48                           |
| Disability insurance, including accidental death                                   | 411102     | 0.00                                   | 0.00                          | 1.48                                    | 1.20                           |
| Health and medical insurance   | 411103     | 0.06                                   | 0.05                          | 1.27                                    | 0.42                           |
| Property and casualty insurance  | 411104     | 0.13                                   | 0.20                          | 1.29                                    | 0.69                           |
| Annuities  | 412        | 0.09                                   | 0.12                          | 0.85                                    | 1.19                           |
| Annuities  | 4121       | 0.09                                   | 0.12                          | 0.85                                    | 1.19                           |
| Annuities  | 412101     | 0.09                                   | 0.12                          | 0.85                                    | 1.19                           |
|  |            |  |                               |   |                                |
| Commissions and fees from sales and administration of insurance policies (partial) | 42         | 0.06                                   | 0.09                          | 0.44                                    | 0.54                           |
| Commissions from sales of insurance  | 421        | 0.06                                   | 0.09                          | 0.44                                    | 0.54                           |
| Commissions from sales of insurance  | 4211       | 0.06                                   | 0.09                          | 0.44                                    | 0.54                           |
| Commissions from sales of life insurance and annuities                             | 421101     | 0.00                                   | 0.00                          | 1.99                                    | 1.39                           |
| Commissions from sales of health and medical insurance                             | 421102     | 0.00                                   | 0.00                          | 0.63                                    | 0.61                           |
| Commissions from sales of property and casualty insurance                          | 421103     | 0.11                                   | 0.14                          | 0.25                                    | 0.78                           |
| Commissions from sales of other insurance  | 421104     | 0.00                                   | 0.00                          | 0.03                                    | 0.03                           |
|  |            |  |                               |   |                                |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Real estate services (partial)  | 43         | 0.64                                   | 0.38                          | 4.91                                    | 1.33                           |
| Nonresidential real estate services   | 431        | 0.77                                   | 0.61                          | 1.47                                    | 2.07                           |
| Nonresidential real estate rents  | 4311       | 0.72                                   | 0.69                          | 1.53                                    | 2.48                           |
| Office buildings, gross rents   | 431101     | 0.58                                   | 0.59                          | 2.14                                    | 1.90                           |
| Retail properties, gross rents  | 431102     | 2.22                                   | 1.60                          | 2.21                                    | 3.16                           |
| Industrial buildings, gross rents   | 431103     | 0.19                                   | 0.25                          | 1.73                                    | 2.22                           |
| Self-service storage and miniwarehouses, gross rents                                    | 431104     | 1.11                                   | 0.24                          | 9.77                                    | 1.29                           |
| Other nonresidential buildings, gross rents   | 431105     | 4.95                                   | 5.88                          | 8.72                                    | 11.24                          |
| Nonresidential property sales and leases including land, brokerage fees and commissions | 4312       | 0.54                                   | 0.32                          | 4.55                                    | 1.24                           |
| Nonresidential property sales and leases including land, brokerage fees and commissions | 431201     | 0.54                                   | 0.32                          | 4.55                                    | 1.24                           |
| Nonresidential property management fees   | 4313       | 0.86                                   | 1.80                          | 2.47                                    | 3.66                           |
| Nonresidential property management fees   | 431301     | 0.86                                   | 1.80                          | 2.47                                    | 3.66                           |
| Residential real estate services (partial)  | 432        | 0.82                                   | 0.22                          | 10.30                                   | 0.62                           |
| Residential property sales and rental, brokerage fees and commissions                   | 4321       | 1.04                                   | 0.18                          | 12.30                                   | 0.64                           |
| Residential property sales and rental, brokerage fees and commissions                   | 432101     | 1.04                                   | 0.18                          | 12.30                                   | 0.64                           |
| Residential property management fees  | 4322       | 0.38                                   | 0.47                          | 4.23                                    | 1.59                           |
| Residential property management fees  | 432201     | 0.38                                   | 0.47                          | 4.23                                    | 1.59                           |
| Real estate appraisal fees  | 433        | 0.45                                   | 0.46                          | 3.89                                    | 2.04                           |
| Real estate appraisal fees  | 4331       | 0.45                                   | 0.46                          | 3.89                                    | 2.04                           |
| Real estate appraisal fees  | 433101     | 0.45                                   | 0.46                          | 3.89                                    | 2.04                           |
|   |            |  |                               |   |                                |
| Rental and leasing of goods (partial)   | 44         | 2.36                                   | 0.82                          | 15.57                                   | 2.49                           |
| Passenger car rental  | 441        | 5.58                                   | 1.84                          | 35.04                                   | 6.09                           |
| Passenger car rental  | 4411       | 5.58                                   | 1.84                          | 35.04                                   | 6.09                           |
| Passenger car rental  | 441101     | 5.58                                   | 1.84                          | 35.04                                   | 6.09                           |
| Truck, trailer, and RV rental and leasing   | 442        | 0.46                                   | 0.54                          | 5.44                                    | 1.26                           |
| Truck, trailer, and RV rental and leasing   | 4421       | 0.46                                   | 0.54                          | 5.44                                    | 1.26                           |
| Truck, truck trailer and RV rental  | 442101     | 0.83                                   | 0.76                          | 9.05                                    | 2.46                           |
| Truck, truck trailer and RV leasing   | 442102     | 0.48                                   | 0.51                          | 2.33                                    | 0.93                           |
| Construction, mining, and forestry machinery and equipment rental and leasing           | 443        | 0.07                                   | 0.25                          | 2.23                                    | 2.06                           |
| Construction, mining, and forestry machinery and equipment rental and leasing           | 4431       | 0.07                                   | 0.25                          | 2.23                                    | 2.06                           |
| Construction, mining, and forestry machinery and equipment rental and leasing           | 443101     | 0.07                                   | 0.25                          | 2.23                                    | 2.06                           |
|   |            |  |                               |   |                                |
| Professional services (partial)   | 45         | 0.19                                   | 0.23                          | 5.12                                    | 2.13                           |
| Legal services  | 451        | 0.19                                   | 0.36                          | 3.70                                    | 1.22                           |
| Legal services  | 4511       | 0.19                                   | 0.36                          | 3.70                                    | 1.22                           |
| Legal services  | 451101     | 0.19                                   | 0.36                          | 3.70                                    | 1.22                           |
| Accounting services (partial)   | 452        | 0.43                                   | 0.56                          | 2.06                                    | 2.08                           |
| Accounting services, excluding payroll  | 4521       | 0.43                                   | 0.56                          | 2.06                                    | 2.08                           |
| Financial auditing  | 452101     | 0.28                                   | 0.81                          | 2.83                                    | 1.87                           |
| Tax preparation and planning  | 452102     | 0.55                                   | 0.86                          | 1.74                                    | 2.94                           |
| Bookkeeping and compilation   | 452103     | 1.26                                   | 0.75                          | 12.04                                   | 6.56                           |
| Other accounting services, including billing and review                                 | 452104     | 0.55                                   | 1.42                          | 3.80                                    | 5.16                           |
| Architectural and engineering services  | 453        | 0.11                                   | 0.13                          | 3.07                                    | 0.80                           |
| Architectural services  | 4531       | 0.22                                   | 0.14                          | 1.04                                    | 0.93                           |
| Architectural services  | 453101     | 0.22                                   | 0.14                          | 1.04                                    | 0.93                           |
| Engineering services  | 4532       | 0.10                                   | 0.14                          | 3.28                                    | 0.90                           |
| Engineering services  | 453201     | 0.10                                   | 0.14                          | 3.28                                    | 0.90                           |
| Management, scientific, and technical consulting services                               | 454        | 0.23                                   | 0.55                          | 15.04                                   | 10.87                          |
| Management consulting services  | 4541       | 0.23                                   | 0.55                          | 15.04                                   | 10.87                          |
| Administrative and general management consulting services                               | 454101     | 0.13                                   | 0.67                          | 22.79                                   | 15.46                          |
| Human resources consulting services   | 454102     | 1.66                                   | 1.57                          | 1.40                                    | 3.34                           |
| Marketing consulting services   | 454103     | 0.00                                   | 0.00                          | 5.07                                    | 5.32                           |
| Process, physical distribution, and logistics consulting services                       | 454104     | 1.22                                   | 0.95                          | 3.89                                    | 8.16                           |
| Other management consulting services  | 454105     | 0.20                                   | 0.13                          | 3.12                                    | 1.93                           |
| Advertising and related services (partial)  | 455        | 0.11                                   | 0.18                          | 0.72                                    | 0.98                           |
| Advertising agency services   | 4551       | 0.11                                   | 0.18                          | 0.72                                    | 0.98                           |
| Advertising agency services   | 455101     | 0.11                                   | 0.18                          | 0.72                                    | 0.98                           |
| Information technology (IT) technical support and consulting services (partial)         | 456        | 0.00                                   | 0.00                          | 0.44                                    | 0.33                           |
| Information technology (IT) technical support and consulting services (partial)         | 4561       | 0.00                                   | 0.00                          | 0.44                                    | 0.33                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Information technology (IT) technical support and consulting services (partial) | 456101     | 0.00                                   | 0.00                          | 0.44                                    | 0.33                           |
| Employment services   | 46         | 0.68                                   | 0.42                          | 3.94                                    | 1.64                           |
| Permanent placement services  | 461        | 1.37                                   | 0.69                          | 2.87                                    | 1.54                           |
| Permanent placement services  | 4611       | 1.37                                   | 0.69                          | 2.87                                    | 1.54                           |
| Employment placement services   | 461101     | 1.37                                   | 0.69                          | 2.87                                    | 1.54                           |
| Executive search services   | 462        | 1.02                                   | 1.77                          | 1.90                                    | 3.82                           |
| Executive search services   | 4621       | 1.02                                   | 1.77                          | 1.90                                    | 3.82                           |
| Executive search services   | 462101     | 1.02                                   | 1.77                          | 1.90                                    | 3.82                           |
| Staffing services   | 463        | 0.74                                   | 0.44                          | 4.01                                    | 1.75                           |
| Temporary help services   | 4631       | 1.06                                   | 0.59                          | 5.80                                    | 2.86                           |
| Temporary help services   | 463101     | 1.06                                   | 0.59                          | 5.80                                    | 2.86                           |
| Co-employment staffing services   | 4632       | 0.11                                   | 0.50                          | 2.87                                    | 2.29                           |
| Co-employment staffing services   | 463201     | 0.11                                   | 0.50                          | 2.87                                    | 2.29                           |
| Travel arrangement services (partial)   | 47         | 0.86                                   | 0.69                          | 3.24                                    | 2.75                           |
| Arrangement of flights (partial)  | 471        | 0.72                                   | 0.79                          | 7.16                                    | 4.88                           |
| Arrangement of international flights  | 4711       | 0.49                                   | 0.58                          | 1.28                                    | 1.54                           |
| Arrangement of international flights  | 471101     | 0.49                                   | 0.58                          | 1.28                                    | 1.54                           |
| Arrangement of domestic flights   | 4712       | 0.19                                   | 0.38                          | 16.81                                   | 10.53                          |
| Arrangement of domestic flights (partial)                                       | 471201     | 0.19                                   | 0.38                          | 16.81                                   | 10.53                          |
| Arrangement of vehicle rentals and lodging                                      | 472        | 1.13                                   | 2.23                          | 10.93                                   | 11.61                          |
| Arrangement of vehicle rentals and lodging                                      | 4721       | 1.13                                   | 2.23                          | 10.93                                   | 11.61                          |
| Arrangement of vehicle rentals and lodging (partial)                            | 472101     | 1.13                                   | 2.23                          | 10.93                                   | 11.61                          |
| Arrangement of cruises and tours  | 473        | 3.53                                   | 2.49                          | 22.64                                   | 12.12                          |
| Arrangement of cruises and tours  | 4731       | 3.53                                   | 2.49                          | 22.64                                   | 12.12                          |
| Arrangement of cruises and tours  | 473101     | 3.53                                   | 2.49                          | 22.64                                   | 12.12                          |
| Other travel arrangements (partial)   | 474        | 0.00                                   | 0.00                          | 0.00                                    | 0.00                           |
| Other travel arrangements (partial)   | 4741       | 0.00                                   | 0.00                          | 0.00                                    | 0.00                           |
| Other travel arrangements (partial)   | 474101     | 0.00                                   | 0.00                          | 0.00                                    | 0.00                           |
| Selected security services (partial)  | 48         | 0.36                                   | 0.42                          | 4.08                                    | 2.42                           |
| Security guard services   | 481        | 0.36                                   | 0.42                          | 4.08                                    | 2.42                           |
| Security guard services   | 4811       | 0.36                                   | 0.42                          | 4.08                                    | 2.42                           |
| Security guard services   | 481101     | 0.36                                   | 0.42                          | 4.08                                    | 2.42                           |
| Cleaning and building maintenance services (partial)                            | 49         | 0.13                                   | 0.23                          | 1.73                                    | 1.27                           |
| Janitorial services   | 491        | 0.13                                   | 0.23                          | 1.73                                    | 1.27                           |
| Janitorial services   | 4911       | 0.13                                   | 0.23                          | 1.73                                    | 1.27                           |
| Janitorial services   | 491101     | 0.13                                   | 0.23                          | 1.73                                    | 1.27                           |
| Waste collection and remediation services (partial)                             | 50         | 0.49                                   | 0.34                          | 3.81                                    | 1.64                           |
| Waste collection  | 501        | 0.49                                   | 0.34                          | 3.81                                    | 1.64                           |
| Solid waste collection  | 5011       | 0.49                                   | 0.34                          | 3.81                                    | 1.64                           |
| Solid waste collection  | 501101     | 0.49                                   | 0.34                          | 3.81                                    | 1.64                           |
| Health care services  | 51         | 0.18                                   | 0.13                          | 2.89                                    | 0.42                           |
| Outpatient care (partial)   | 511        | 0.15                                   | 0.13                          | 3.11                                    | 0.57                           |
| Outpatient care (partial)   | 5111       | 0.15                                   | 0.13                          | 3.11                                    | 0.57                           |
| Physician care  | 511101     | 0.16                                   | 0.15                          | 3.55                                    | 0.74                           |
| Medical laboratory and diagnostic imaging center care                           | 511102     | 0.03                                   | 0.05                          | 0.21                                    | 0.34                           |
| Home health and hospice care  | 511103     | 0.06                                   | 0.10                          | 2.03                                    | 0.29                           |
| Hospital outpatient care  | 511104     | 0.17                                   | 0.25                          | 3.41                                    | 1.04                           |
| Dental care   | 511105     | 0.05                                   | 0.13                          | 1.55                                    | 0.87                           |
| Inpatient care  | 512        | 0.21                                   | 0.16                          | 2.59                                    | 0.60                           |
| Inpatient care  | 5121       | 0.21                                   | 0.16                          | 2.59                                    | 0.60                           |
| Hospital inpatient care   | 512101     | 0.29                                   | 0.20                          | 2.81                                    | 0.76                           |
| Nursing home care   | 512102     | 0.28                                   | 0.19                          | 1.35                                    | 1.11                           |
| Intellectual and developmental disability center care                           | 512103     | 0.17                                   | 0.15                          | 4.18                                    | 1.92                           |
| Sales of blood and blood products, organs, and tissues                          | 513        | 0.23                                   | 0.27                          | 1.59                                    | 0.89                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Sales of blood and blood products, organs, and tissues                    | 5131       | 0.23                                   | 0.27                          | 1.59                                    | 0.89                           |
| Sales of blood and blood products, organs, and tissues                    | 513101     | 0.23                                   | 0.27                          | 1.59                                    | 0.89                           |
| Accommodation services  | 53         | 1.68                                   | 2.69                          | 16.48                                   | 6.77                           |
| Traveler accommodation services   | 531        | 1.68                                   | 2.69                          | 16.48                                   | 6.77                           |
| Traveler accommodation services   | 5311       | 1.68                                   | 2.69                          | 16.48                                   | 6.77                           |
| Guestroom or unit rental  | 531101     | 1.81                                   | 2.95                          | 17.75                                   | 7.57                           |
| Other traveler accommodation services                                     | 531102     | 0.42                                   | 0.54                          | 2.93                                    | 2.11                           |
| Food and beverage for immediate consumption services (partial)            | 54         | 0.63                                   | 0.52                          | 4.52                                    | 1.46                           |
| Food and beverage for immediate consumption services (partial)            | 541        | 0.63                                   | 0.52                          | 4.52                                    | 1.46                           |
| Food and nonalcoholic beverages for immediate consumption (partial)       | 5411       | 0.51                                   | 0.61                          | 4.75                                    | 1.68                           |
| Food and nonalcoholic beverages for immediate consumption (partial)       | 541101     | 0.51                                   | 0.61                          | 4.75                                    | 1.68                           |
| Alcoholic beverages for immediate consumption (partial)                   | 5412       | 0.24                                   | 0.37                          | 3.60                                    | 1.85                           |
| Alcoholic beverages for immediate consumption (partial)                   | 541201     | 0.24                                   | 0.37                          | 3.60                                    | 1.85                           |
| Repair and maintenance services (partial)                                 | 55         | 0.29                                   | 0.14                          | 2.64                                    | 0.57                           |
| Commercial and industrial machinery and equipment repair and maintenance  | 551        | 0.13                                   | 0.24                          | 2.80                                    | 1.44                           |
| Commercial and industrial machinery and equipment repair and maintenance  | 5511       | 0.13                                   | 0.24                          | 2.80                                    | 1.44                           |
| Commercial machinery repair and maintenance                               | 551101     | 0.13                                   | 0.24                          | 2.80                                    | 1.44                           |
| Motor vehicle repair and maintenance (partial)                            | 552        | 0.25                                   | 0.07                          | 2.32                                    | 0.24                           |
| Motor vehicle repair and maintenance (partial)                            | 5521       | 0.25                                   | 0.07                          | 2.32                                    | 0.24                           |
| Motor vehicle repair and maintenance (partial)                            | 552101     | 0.25                                   | 0.07                          | 2.32                                    | 0.24                           |
| Ship repair and maintenance   | 553        | 0.04                                   | 0.05                          | 2.33                                    | 2.62                           |
| Ship repair and maintenance   | 5531       | 0.04                                   | 0.05                          | 2.33                                    | 2.62                           |
| Ship repair, military   | 553101     | 0.00                                   | 0.00                          | 1.68                                    | 3.42                           |
| Ship repair, nonmilitary  | 553102     | 0.00                                   | 0.00                          | 4.23                                    | 1.53                           |
| Aircraft repair and maintenance   | 554        | 0.12                                   | 0.06                          | 3.23                                    | 1.88                           |
| Aircraft repair and maintenance   | 5541       | 0.12                                   | 0.06                          | 3.23                                    | 1.88                           |
| Aircraft repair and maintenance   | 554101     | 0.12                                   | 0.06                          | 3.23                                    | 1.88                           |
| Entertainment services (partial)  | 56         | 0.80                                   | 0.98                          | 1.83                                    | 2.82                           |
| Membership dues and admissions and recreation facility use fees (partial) | 561        | 0.93                                   | 0.47                          | 2.85                                    | 1.12                           |
| Membership dues and admissions and recreation facility use fees (partial) | 5611       | 0.93                                   | 0.47                          | 2.85                                    | 1.12                           |
| Membership dues   | 561101     | 0.08                                   | 0.09                          | 3.77                                    | 1.14                           |
| Admissions and recreational facilities use fees (partial)                 | 561102     | 2.19                                   | 1.13                          | 2.33                                    | 2.13                           |
| Recreational activity instruction fees (partial)                          | 562        | 0.00                                   | 0.00                          | 1.60                                    | 1.78                           |
| Recreational activity instruction fees (partial)                          | 5621       | 0.00                                   | 0.00                          | 1.60                                    | 1.78                           |
| Recreational activity instruction fees (partial)                          | 562101     | 0.00                                   | 0.00                          | 1.60                                    | 1.78                           |
| Gaming receipts (partial)   | 563        | 1.41                                   | 1.87                          |   |                                |
| Gaming receipts (partial)   | 5631       | 1.41                                   | 1.87                          |   |                                |
| Gaming receipts (partial)   | 563101     | 1.41                                   | 1.87                          |   |                                |
| Wholesale trade services  | 57         | 1.14                                   | 0.88                          | 8.82                                    | 2.87                           |
| Machinery and equipment and parts and supplies wholesaling                | 571        | 1.13                                   | 1.57                          | 10.63                                   | 5.77                           |
| Machinery and equipment and parts and supplies wholesaling                | 5711       | 1.13                                   | 1.57                          | 10.63                                   | 5.77                           |
| Parts and supplies for machinery and equipment wholesaling                | 571102     | 1.88                                   | 2.01                          | 15.70                                   | 6.08                           |
| Machinery and vehicle wholesaling   | 571103     | 3.04                                   | 3.35                          | 4.24                                    | 8.83                           |
| Professional and commercial equipment wholesaling                         | 571104     | 1.19                                   | 1.44                          | 4.27                                    | 2.74                           |
| Furnishings wholesaling   | 572        | 2.52                                   | 1.84                          | 8.09                                    | 5.12                           |
| Furnishings wholesaling   | 5721       | 2.52                                   | 1.84                          | 8.09                                    | 5.12                           |
| Furnishings wholesaling   | 572101     | 2.52                                   | 1.84                          | 8.09                                    | 5.12                           |
| Building materials, paint, and hardware wholesaling                       | 573        | 2.29                                   | 2.44                          | 14.15                                   | 4.53                           |
| Building materials, paint, and hardware wholesaling                       | 5731       | 2.29                                   | 2.44                          | 14.15                                   | 4.53                           |
| Building materials, paint, and hardware wholesaling                       | 573101     | 2.29                                   | 2.44                          | 14.15                                   | 4.53                           |
| Metals, minerals, and ores wholesaling                                    | 574        | 4.80                                   | 3.91                          | 61.72                                   | 23.83                          |
| Metals, minerals, and ores wholesaling                                    | 5741       | 4.80                                   | 3.91                          | 61.72                                   | 23.83                          |
| Metals, minerals, and ores wholesaling                                    | 574101     | 4.80                                   | 3.91                          | 61.72                                   | 23.83                          |
| Chemicals and allied products wholesaling                                 | 575        | 1.69                                   | 2.05                          | 3.67                                    | 5.59                           |
| Chemicals and allied products wholesaling                                 | 5751       | 1.69                                   | 2.05                          | 3.67                                    | 5.59                           |



**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index  | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|--|------------|--|-------------------------------|---|--------------------------------|
| Chemicals and allied products wholesaling                    | 575101     | 1.69                                   | 2.05                          | 3.67                                    | 5.59                           |
| Paper and plastics products wholesaling                      | 576        | 2.11                                   | 1.49                          | 13.09                                   | 5.01                           |
| Paper and plastics products wholesaling                      | 5761       | 2.11                                   | 1.49                          | 13.09                                   | 5.01                           |
| Paper and plastics products wholesaling                      | 576101     | 2.11                                   | 1.49                          | 13.09                                   | 5.01                           |
| Apparel wholesaling  | 577        | 1.73                                   | 2.81                          | 3.98                                    | 8.64                           |
| Apparel wholesaling  | 5771       | 1.73                                   | 2.81                          | 3.98                                    | 8.64                           |
| Apparel wholesaling  | 577101     | 1.73                                   | 2.81                          | 3.98                                    | 8.64                           |
| Food and alcohol wholesaling                                 | 578        | 1.47                                   | 1.01                          | 2.54                                    | 2.56                           |
| Food and alcohol wholesaling                                 | 5781       | 1.47                                   | 1.01                          | 2.54                                    | 2.56                           |
| Food wholesaling   | 578101     | 1.63                                   | 1.25                          | 1.79                                    | 3.08                           |
| Alcohol wholesaling  | 578102     | 0.75                                   | 0.89                          | 4.13                                    | 3.00                           |
| Other commodities wholesaling                                | 579        | 1.84                                   | 1.51                          | 4.02                                    | 3.99                           |
| Other commodities wholesaling                                | 5791       | 1.84                                   | 1.51                          | 4.02                                    | 3.99                           |
| Other commodities wholesaling                                | 579101     | 1.84                                   | 1.51                          | 4.02                                    | 3.99                           |
|  |            |  |                               |   |                                |
| Retail trade services  | 58         | 1.09                                   | 0.64                          | 10.84                                   | 1.51                           |
| Food and alcohol retailing                                   | 581        | 0.90                                   | 1.00                          | 0.68                                    | 1.74                           |
| Food and alcohol retailing                                   | 5811       | 0.90                                   | 1.00                          | 0.68                                    | 1.74                           |
| Food retailing   | 581102     | 1.03                                   | 1.07                          | 0.49                                    | 1.97                           |
| Alcohol retailing  | 581103     | 1.51                                   | 1.78                          | 2.18                                    | 3.03                           |
| Health and beauty care retailing, including optical goods    | 582        | 2.05                                   | 1.84                          | 2.86                                    | 2.79                           |
| Health and beauty care retailing, including optical goods    | 5821       | 2.05                                   | 1.84                          | 2.86                                    | 2.79                           |
| Health and beauty care retailing, including optical goods    | 582101     | 2.05                                   | 1.84                          | 2.86                                    | 2.79                           |
| Apparel, jewelry, footwear, and accessories retailing        | 583        | 2.02                                   | 1.10                          | 12.81                                   | 2.29                           |
| Apparel, jewelry, footwear, and accessories retailing        | 5831       | 2.02                                   | 1.10                          | 12.81                                   | 2.29                           |
| Apparel, footwear, and accessories retailing                 | 583101     | 2.40                                   | 1.28                          | 14.40                                   | 2.52                           |
| Jewelry retailing  | 583102     | 1.84                                   | 2.56                          | 4.23                                    | 3.50                           |
| Computer hardware, software, and supplies retailing          | 584        | 1.26                                   | 2.06                          | 3.63                                    | 3.74                           |
| Computer hardware, software, and supplies retailing          | 5841       | 1.26                                   | 2.06                          | 3.63                                    | 3.74                           |
| Computer hardware, software, and supplies retailing          | 584101     | 1.26                                   | 2.06                          | 3.63                                    | 3.74                           |
| TV, video, and photographic equipment and supplies retailing | 585        | 6.75                                   | 6.03                          | 20.96                                   | 14.10                          |
| TV, video, and photographic equipment and supplies retailing | 5851       | 6.75                                   | 6.03                          | 20.96                                   | 14.10                          |
| TV, video, and photographic equipment and supplies retailing | 585101     | 6.75                                   | 6.03                          | 20.96                                   | 14.10                          |
| Automobiles and automobile parts retailing                   | 586        | 3.37                                   | 1.91                          | 54.47                                   | 8.61                           |
| Automobiles and automobile parts retailing                   | 5861       | 3.37                                   | 1.91                          | 54.47                                   | 8.61                           |
| Automobile retailing (Partial)                               | 586101     | 5.35                                   | 2.81                          | 96.03                                   | 13.43                          |
| Automotive parts, including tires, retailing                 | 586102     | 1.08                                   | 1.64                          | 8.96                                    | 4.24                           |
| RVs, trailers, and campers retailing                         | 588        | 6.12                                   | 5.35                          | 52.21                                   | 25.92                          |
| RVs, trailers, and campers retailing                         | 5881       | 6.12                                   | 5.35                          | 52.21                                   | 25.92                          |
| RVs, trailers, and campers retailing                         | 588101     | 6.12                                   | 5.35                          | 52.21                                   | 25.92                          |
| Sporting goods, including boats, retailing                   | 589        | 3.00                                   | 3.77                          | 6.05                                    | 4.41                           |
| Sporting goods, including boats, retailing                   | 5891       | 3.00                                   | 3.77                          | 6.05                                    | 4.41                           |
| Sporting goods, including boats, retailing                   | 589101     | 3.00                                   | 3.77                          | 6.05                                    | 4.41                           |
| Lawn, garden, and farm equipment and supplies retailing      | 58A        | 1.19                                   | 1.51                          | 7.60                                    | 3.68                           |
| Lawn, garden, and farm equipment and supplies retailing      | 58A1       | 1.19                                   | 1.51                          | 7.60                                    | 3.68                           |
| Lawn, garden, and farm equipment and supplies retailing      | 58A101     | 1.19                                   | 1.51                          | 7.60                                    | 3.68                           |
| Furniture retailing  | 58B        | 1.55                                   | 1.49                          | 14.87                                   | 5.75                           |
| Furniture retailing  | 58B1       | 1.55                                   | 1.49                          | 14.87                                   | 5.75                           |
| Furniture retailing  | 58B101     | 1.55                                   | 1.49                          | 14.87                                   | 5.75                           |
| Flooring and floor coverings retailing                       | 58C        | 1.85                                   | 1.40                          | 9.09                                    | 5.53                           |
| Flooring and floor coverings retailing                       | 58C1       | 1.85                                   | 1.40                          | 9.09                                    | 5.53                           |
| Flooring and floor coverings retailing                       | 58C101     | 1.85                                   | 1.40                          | 9.09                                    | 5.53                           |
| Hardware and building materials and supplies retailing       | 58D        | 5.98                                   | 3.04                          | 30.96                                   | 7.66                           |
| Hardware and building materials and supplies retailing       | 58D1       | 5.98                                   | 3.04                          | 30.96                                   | 7.66                           |
| Hardware and building materials and supplies retailing       | 58D101     | 5.98                                   | 3.04                          | 30.96                                   | 7.66                           |
| Major household appliance retailing                          | 58E        | 0.54                                   | 1.96                          | 14.62                                   | 8.75                           |
| Major household appliance retailing                          | 58E1       | 0.54                                   | 1.96                          | 14.62                                   | 8.75                           |
| Major household appliance retailing                          | 58E101     | 0.54                                   | 1.96                          | 14.62                                   | 8.75                           |
| Fuels and lubricants retailing                               | 58F        | 4.21                                   | 3.03                          | 8.92                                    | 6.13                           |
| Fuels and lubricants retailing                               | 58F1       | 4.21                                   | 3.03                          | 8.92                                    | 6.13                           |

**Table 2. Variance estimates for selected Producer Price Index commodity-based indexes, 1-month and 12-month median absolute percent changes and median 1-month and 12-month standard errors of the percent change, 2021**

| Index   | Index code | 1-month median absolute percent change | 1-month median standard error | 12-month median absolute percent change | 12-month median standard error |
|---|------------|--|-------------------------------|---|--------------------------------|
| Automotive fuels and lubricants retailing   | 58F101     | 5.00                                   | 3.34                          | 8.95                                    | 6.96                           |
| Household fuels retailing   | 58F102     | 2.97                                   | 4.74                          | 8.25                                    | 8.26                           |
| Cleaning supplies and paper products retailing                                    | 58G        | 4.89                                   | 3.74                          | 8.99                                    | 10.09                          |
| Cleaning supplies and paper products retailing                                    | 58G1       | 4.89                                   | 3.74                          | 8.99                                    | 10.09                          |
| Cleaning supplies and paper products retailing                                    | 58G101     | 4.89                                   | 3.74                          | 8.99                                    | 10.09                          |
| Book retailing  | 58H        | 0.67                                   | 0.79                          | 3.91                                    | 2.23                           |
| Book retailing  | 58H1       | 0.67                                   | 0.79                          | 3.91                                    | 2.23                           |
| Book retailing  | 58H101     | 0.67                                   | 0.79                          | 3.91                                    | 2.23                           |
| Other merchandise retailing (partial)   | 58I        | 1.63                                   | 1.36                          | 7.27                                    | 2.61                           |
| Other merchandise retailing (partial)   | 58I1       | 1.63                                   | 1.36                          | 7.27                                    | 2.61                           |
| Other merchandise retailing (partial)   | 58I101     | 1.63                                   | 1.36                          | 7.27                                    | 2.61                           |
|   |            |  |                               |   |                                |
| Metal treatment services  | 59         | 0.72                                   | 0.48                          | 4.43                                    | 2.77                           |
| Metal treatment services  | 591        | 0.72                                   | 0.48                          | 4.43                                    | 2.77                           |
| Metal treatment services  | 5911       | 0.72                                   | 0.48                          | 4.43                                    | 2.77                           |
| Metal plating and polishing   | 591101     | 0.41                                   | 0.56                          | 1.74                                    | 1.29                           |
| Metal coating and allied services   | 591102     | 1.11                                   | 0.73                          | 7.30                                    | 5.59                           |
| Metal heat treating   | 591103     | 0.24                                   | 0.27                          | 1.28                                    | 2.20                           |
|   |            |  |                               |   |                                |
| Mining services   | 60         | 0.91                                   | 0.63                          | 4.41                                    | 2.18                           |
| Mining services   | 601        | 0.91                                   | 0.63                          | 4.41                                    | 2.18                           |
| Mining services   | 6011       | 0.91                                   | 0.63                          | 4.41                                    | 2.18                           |
| Metal mining services   | 601101     | 0.88                                   | 0.75                          | 11.45                                   | 9.57                           |
| Support activities for coal mining  | 601102     | 0.34                                   | 0.24                          | 1.12                                    | 0.84                           |
| Drilling oil and gas wells services   | 601103     | 0.85                                   | 0.71                          | 4.90                                    | 3.92                           |
| Support activities for oil and gas operations                                     | 601104     | 1.06                                   | 0.84                          | 4.64                                    | 2.96                           |
| Nonmetallic minerals mining services  | 601105     | 0.00                                   | 0.00                          | 0.00                                    | 0.00                           |
|   |            |  |                               |   |                                |
| Contract work on textile products, apparel, and leather                           | 61         | 0.25                                   | 0.18                          | 2.04                                    | 1.62                           |
| Contract work on textile products and apparel                                     | 611        | 0.26                                   | 0.18                          | 2.06                                    | 1.65                           |
| Contract work on textile products and apparel                                     | 6111       | 0.26                                   | 0.18                          | 2.06                                    | 1.65                           |
| Contract work on textile products   | 611102     | 0.51                                   | 0.36                          | 4.62                                    | 2.78                           |
| Contract work on apparel  | 611103     | 0.00                                   | 0.00                          | 0.09                                    | 2.55                           |
| Contract & commission receipts for tanning or finishing leather owned by others   | 612        | 0.00                                   | 0.00                          | 2.24                                    | 1.94                           |
| Contract & commission receipts for tanning or finishing leather owned by others   | 6121       | 0.00                                   | 0.00                          | 2.24                                    | 1.94                           |
| Contract and commission receipts for tanning or finishing leather owned by others | 612101     | 0.00                                   | 0.00                          | 2.24                                    | 1.94                           |
|   |            |  |                               |   |                                |
| <b>Construction</b>   |            |  |                               |   |                                |
| Construction (partial)  | 80         | 0.49                                   | 0.31                          | 3.99                                    | 0.70                           |
| New nonresidential building construction  | 801        | 0.31                                   | 0.13                          | 3.64                                    | 0.38                           |
| New nonresidential building construction  | 8011       | 0.31                                   | 0.13                          | 3.64                                    | 0.38                           |
| New warehouse building construction   | 801101     | 0.29                                   | 0.11                          | 5.39                                    | 0.39                           |
| New school building construction  | 801102     | 0.20                                   | 0.08                          | 2.17                                    | 0.31                           |
| New office building construction  | 801103     | 0.62                                   | 0.36                          | 4.93                                    | 0.95                           |
| New industrial building construction  | 801104     | 0.27                                   | 0.11                          | 2.86                                    | 0.57                           |
| New health care building construction   | 801105     | 0.23                                   | 0.15                          | 3.57                                    | 1.25                           |
| Maintenance and repair of nonresidential buildings (partial)                      | 802        | 0.68                                   | 0.99                          | 4.93                                    | 2.54                           |
| Maintenance and repair of nonresidential buildings (partial)                      | 8021       | 0.68                                   | 0.99                          | 4.93                                    | 2.54                           |
| Maintenance and repair of nonresidential buildings (partial)                      | 802101     | 0.68                                   | 0.99                          | 4.93                                    | 2.54                           |

NOTE: Some indexes in this table, primarily PPIs for agricultural products, are constructed using price information not directly sampled by PPI. These secondary source data, mainly from the U.S. Department of Agriculture, but also other sources, are considered a census of available price information. No sampling variability exists in these percent change estimates, so their standard error values are zero. For more information, refer to the section titled "PPI Sampling" in the methodology paper that accompanies this year's PPI variance publication.