NEWS RELEASE
BUREAU OF LABOR STATISTICS
U. S. DEPARTMENT OF LABOR

For Release: Friday, January 12, 2018 **18-90-KAN**

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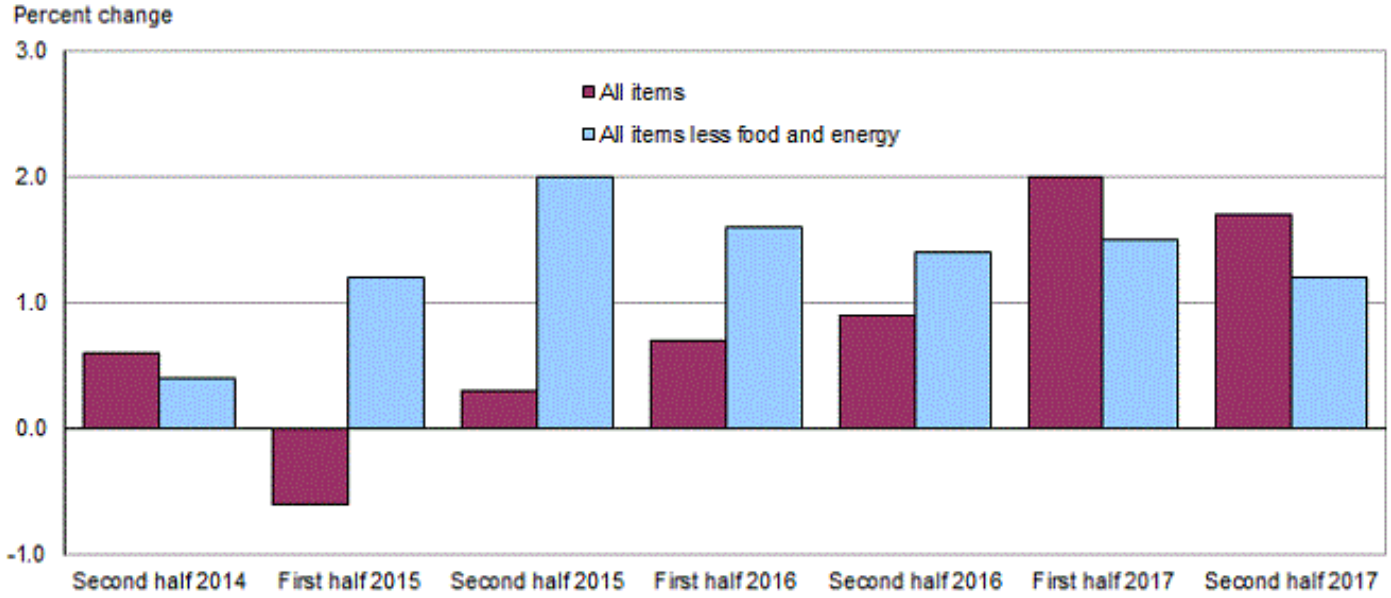
Consumer Price Index, Kansas City – Second Half 2017

Prices increased 1.7 percent from the second half of 2016 to the second half of 2017

The Consumer Price Index for All Urban Consumers (CPI-U) for the Kansas City, Mo.-Kan., metropolitan area increased 1.7 percent from the second half of 2016 to the second half of 2017, the U.S. Bureau of Labor Statistics reported today. Assistant Commissioner for Regional Operations Stanley W. Suchman noted that while the increase was broad based, higher costs for shelter (2.5 percent) and gasoline (11.0 percent) had the largest upward impacts on the index. The energy index rose 5.6 percent and food prices were 2.4 percent higher. The all items less food and energy index advanced 1.2 percent over the year.

Chart 1. Over-the-year percent change in CPI-U, Kansas City, second half 2014–second half 2017



Source: U.S. Bureau of Labor Statistics.

Food

Food prices rose 2.4 percent from the second half of 2016 to the second half of 2017 after registering little change (-0.1 percent) in the same period one year ago. Costs for food at home were 2.2 percent higher and prices for food away from home rose 2.6 percent over the year. These compared with changes of -1.5 and 1.9 percent, respectively, in the same period one year ago.

Energy

The energy index, which includes motor fuel and household fuels, was up 5.6 percent from the second half of 2016 to the second half of 2017, following a modest decline of 0.3 percent in the same period one year ago. The advance was largely attributable to an increase of 11.0 percent in prices for gasoline, though costs for utility (piped) gas service were up 6.9 percent and also contributed to the rise. Prices for electricity were 1.4 percent lower over the year, with all of the decline occurring during the first half of the year. During the same period one year ago, gasoline costs declined 7.2 percent, prices for utility (piped) gas service were up 3.4 percent, and electricity costs rose 6.9 percent.

All items less food and energy

The index for all items less food and energy increased 1.2 percent from the second half of 2016 to the second half of 2017, after registering a gain of 1.4 percent in the same period one year ago. Shelter costs advanced 2.5 percent and had the largest upward impact on the all items less food and energy index. Other expenditure categories that registered higher prices over the year included recreation (1.8 percent) and other goods and services (1.5 percent). In contrast, prices for household furnishings and operations (-2.3 percent) were among those that declined over the period.

The Kansas City CPI-U stood at 228.995 for the second half of 2017. This means that a market basket of goods and services that cost $100.00 in the 1982-84 base period cost $229.00 in the second half of 2017. Because metropolitan area CPI data are not adjusted for seasonal price variation, consumers and businesses should be cautious in drawing conclusions about long-term retail price trends from short-term changes in the metropolitan area indexes.

CPI-W

The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) for the Kansas City, Mo.-Kan., metropolitan area for the second half of 2017 was 219.305. The CPI-W increased 1.8 percent from the second half of 2016 to the second half of 2017.

The Consumer Price Index for Kansas City will be discontinued after this release.

Consumer Price Index Geographic Revision for 2018

In January 2018, BLS will introduce a new geographic area sample for the Consumer Price Index (CPI). As part of this new sample, the index for this area will be discontinued. The first indexes using the new structure will be published in February 2018. Additional information on the geographic revision is available at: www.bls.gov/cpi/additional-resources/geographic-revision-2018.htm.

Technical Note

The Consumer Price Index (CPI) is a measure of the average change in prices over time in a fixed market basket of goods and services. The Bureau of Labor Statistics publishes CPIs for two population groups: (1) a CPI for All Urban Consumers (CPI-U) which covers approximately 89 percent of the total population and (2) a CPI for Urban Wage Earners and Clerical Workers (CPI-W) which covers approximately 28 percent of the

total population. The CPI-U includes, in addition to wage earners and clerical workers, groups such as professional, managerial, and technical workers, the self-employed, short-term workers, the unemployed, and retirees and others not in the labor force.

The CPI is based on prices of food, clothing, shelter, and fuels, transportation fares, charges for doctors' and dentists' services, drugs, and the other goods and services that people buy for day-to-day living. Each month, prices are collected in 87 urban areas across the country from about 6,000 housing units and approximately 24,000 retail establishments--department stores, supermarkets, hospitals, filling stations, and other types of stores and service establishments. All taxes directly associated with the purchase and use of items are included in the index.

The index measures price changes from a designated reference date (1982-84) that equals 100.0. An increase of 16.5 percent, for example, is shown as 116.5. This change can also be expressed in dollars as follows: the price of a base period "market basket" of goods and services in the CPI has risen from $10 in 1982-84 to $11.65. For further details see the CPI home page on the Internet at www.bls.gov/cpi and the BLS Handbook of Methods, Chapter 17, The Consumer Price Index, available on the Internet at www.bls.gov/opub/hom/homch17_a.htm.

In calculating the index, price changes for the various items in each location are averaged together with weights that represent their importance in the spending of the appropriate population group. Local data are then combined to obtain a U.S. city average. Because the sample size of a local area is smaller, the local area index is subject to substantially more sampling and other measurement error than the national index. In addition, local indexes are not adjusted for seasonal influences. As a result, local area indexes show greater volatility than the national index, although their long-term trends are quite similar. NOTE: **Area indexes do not measure differences in the level of prices between areas; they only measure the average change in prices for each area since the base period.**

The Kansas City, Mo.-Kan., area covered in this release includes Johnson, Leavenworth, Miami, and Wyandotte Counties in Kansas; and Cass, Clay, Clinton, Jackson, Lafayette, Platte, and Ray Counties in Missouri.

Information in this release will be made available to sensory impaired individuals upon request. Voice phone: (202) 691-5200; Federal Relay Service: (800) 877-8339.

Table 1. Consumer Price Index for All Urban Consumers (CPI-U): Indexes for semiannual averages and percent changes for selected periods Kansas City, MO-KS (1982-84=100 unless otherwise noted)

Item and Group	Semiannual average indexes			Percent change to 2nd half 2017 from-	
	2nd half 2016	1st half 2017	2nd half 2017	2nd half 2016	1st half 2017
Expenditure category					
All Items	225.156	227.427	228.995	1.7	0.7
All items (1967=100)	668.568	675.312	679.970		
Food and beverages	256.807	259.643	262.447	2.2	1.1
Food	261.866	265.132	268.070	2.4	1.1
Food at home	246.847	250.847	252.274	2.2	0.6
Food away from home	286.005	288.017	293.492	2.6	1.9
Alcoholic beverages	197.672	196.696	198.194	0.3	0.8
Housing	217.805	220.122	222.000	1.9	0.9
Shelter	243.898	247.498	249.884	2.5	1.0
Rent of primary residence(1)	250.146	254.257	259.368	3.7	2.0
Owners' equiv. rent of residences(1)(2)	239.495	242.033	246.314	2.8	1.8
Owners' equiv. rent of primary residence(1)(2)	239.495	242.033	246.314	2.8	1.8
Fuels and utilities	239.664	238.324	245.716	2.5	3.1
Household energy	200.657	196.787	203.384	1.4	3.4
Energy services(1)	198.530	194.552	201.085	1.3	3.4
Electricity(1)	173.925	164.099	171.445	-1.4	4.5
Utility (piped) gas service(1)	181.844	192.035	194.479	6.9	1.3
Household furnishings and operations	121.934	122.255	119.081	-2.3	-2.6
Apparel	108.345	108.216	107.560	-0.7	-0.6
Transportation	189.955	194.005	195.396	2.9	0.7
Private transportation	186.884	191.039	193.121	3.3	1.1
Motor fuel	196.168	206.731	217.783	11.0	5.3
Gasoline (all types)	195.582	206.120	217.080	11.0	5.3
Gasoline, unleaded regular(3)	189.326	199.516	210.288	11.1	5.4
Gasoline, unleaded midgrade(3)(4)	244.913	257.740	269.798	10.2	4.7
Gasoline, unleaded premium(3)	208.870	220.536	231.252	10.7	4.9
Medical Care	367.129	369.054	367.428	0.1	-0.4
Recreation(5)	129.729	129.927	132.053	1.8	1.6
Education and communication(5)	125.802	125.208	125.332	-0.4	0.1
Other goods and services	396.601	401.055	402.735	1.5	0.4
Commodity and Service Group					
All Items	225.156	227.427	228.995	1.7	0.7
Commodities	181.170	181.617	181.612	0.2	0.0
Commodities less food & beverages	146.004	145.586	144.588	-1.0	-0.7
Nondurables less food & beverages	190.926	190.425	191.305	0.2	0.5
Durables	104.186	103.859	101.784	-2.3	-2.0
Services	267.781	271.758	274.795	2.6	1.1
Special aggregate indexes:					
All items less medical care	217.118	219.411	221.165	1.9	0.8
All items less shelter	219.697	221.472	222.738	1.4	0.6
Commodities less food	147.970	147.532	146.624	-0.9	-0.6
Nondurables	222.629	223.683	225.465	1.3	0.8
Nondurables less food	192.001	191.458	192.392	0.2	0.5
Services less rent of shelter(2)	305.173	309.731	313.662	2.8	1.3
Services less medical care services	254.096	257.354	260.455	2.5	1.2
Energy	201.685	204.274	212.983	5.6	4.3
All items less energy	228.948	231.207	232.134	1.4	0.4
All items less food and energy	223.547	225.652	226.282	1.2	0.3

Note: See footnotes at end of table.

Footnotes
(1) This index series was calculated using a Laspeyres estimator. All other item stratum index series were calculated using a geometric means estimator.
(2) Index is on a December 1982=100 base.
(3) Special index based on a substantially smaller sample.
(4) Indexes on a December 1993=100 base.
(5) Indexes on a December 1997=100 base.

Table 2. Consumer Price Index for Wage Earners and Clerical Workers (CPI-W): Indexes for semiannual averages and percent changes for selected periods Kansas City, MO-KS (1982-84=100 unless otherwise noted)

Item and Group	Semiannual average indexes			Percent change to 2nd half 2017 from-	
	2nd half 2016	1st half 2017	2nd half 2017	2nd half 2016	1st half 2017
Expenditure category					
All Items	215.325	217.374	219.305	1.8	0.9
All items (1967=100)	630.903	636.906	642.563		
Food and beverages	259.074	261.748	264.317	2.0	1.0
Food	263.141	266.333	268.988	2.2	1.0
Food at home	246.255	249.688	251.179	2.0	0.6
Food away from home	292.829	295.344	300.609	2.7	1.8
Alcoholic beverages	201.964	200.814	202.503	0.3	0.8
Housing	208.493	210.566	213.167	2.2	1.2
Shelter	230.802	233.969	237.442	2.9	1.5
Rent of primary residence(1)	250.146	254.257	259.368	3.7	2.0
Owners' equiv. rent of residences(1)(2)	218.045	220.356	224.254	2.8	1.8
Owners' equiv. rent of primary residence(1)(2)	218.045	220.356	224.254	2.8	1.8
Fuels and utilities	239.584	237.820	245.260	2.4	3.1
Household energy	200.849	196.781	203.444	1.3	3.4
Energy services(1)	199.245	195.037	201.649	1.2	3.4
Electricity(1)	173.927	164.101	171.447	-1.4	4.5
Utility (piped) gas service(1)	181.843	192.035	194.478	6.9	1.3
Household furnishings and operations	109.642	110.493	106.826	-2.6	-3.3
Apparel	100.626	99.366	100.023	-0.6	0.7
Transportation	173.435	176.683	178.497	2.9	1.0
Private transportation	171.970	175.253	177.198	3.0	1.1
Motor fuel	196.100	206.659	217.718	11.0	5.4
Gasoline (all types)	195.578	206.115	217.075	11.0	5.3
Gasoline, unleaded regular(3)	189.324	199.514	210.285	11.1	5.4
Gasoline, unleaded midgrade(3)(4)	244.913	257.740	269.798	10.2	4.7
Gasoline, unleaded premium(3)	208.862	220.528	231.244	10.7	4.9
Medical Care	375.722	378.400	376.430	0.2	-0.5
Recreation(5)	127.213	127.171	128.149	0.7	0.8
Education and communication(5)	113.224	112.835	112.737	-0.4	-0.1
Other goods and services	431.505	437.862	441.675	2.4	0.9
Commodity and Service Group					
All Items	215.325	217.374	219.305	1.8	0.9
Commodities	176.114	176.657	176.674	0.3	0.0
Commodities less food & beverages	139.455	139.358	138.656	-0.6	-0.5
Nondurables less food & beverages	187.785	188.033	190.503	1.4	1.3
Durables	104.610	104.342	102.052	-2.4	-2.2
Services	258.510	262.161	266.122	2.9	1.5
Special aggregate indexes:					
All items less medical care	208.354	210.370	212.442	2.0	1.0
All items less shelter	210.429	212.058	213.406	1.4	0.6
Commodities less food	141.550	141.416	140.799	-0.5	-0.4
Nondurables	221.898	223.231	225.776	1.7	1.1
Nondurables less food	189.025	189.143	191.540	1.3	1.3
Services less rent of shelter(2)	267.682	271.575	275.757	3.0	1.5
Services less medical care services	244.933	247.940	251.958	2.9	1.6
Energy	198.213	201.196	209.964	5.9	4.4
All items less energy	219.457	221.427	222.641	1.5	0.5

Note: See footnotes at end of table.

Table 2. Consumer Price Index for Wage Earners and Clerical Workers (CPI-W): Indexes for semiannual averages and percent changes for selected periods Kansas City, MO-KS (1982-84=100 unless otherwise noted) - Continued

Item and Group	Semiannual average indexes			Percent change to 2nd half 2017 from-	
	2nd half 2016	1st half 2017	2nd half 2017	2nd half 2016	1st half 2017
All items less food and energy	210.677	212.459	213.466	1.3	0.5

Footnotes
(1) This index series was calculated using a Laspeyres estimator. All other item stratum index series were calculated using a geometric means estimator.
(2) Index is on a December 1984=100 base.
(3) Special index based on a substantially smaller sample.
(4) Indexes on a December 1993=100 base.
(5) Indexes on a December 1997=100 base.