



INFLATION RISES

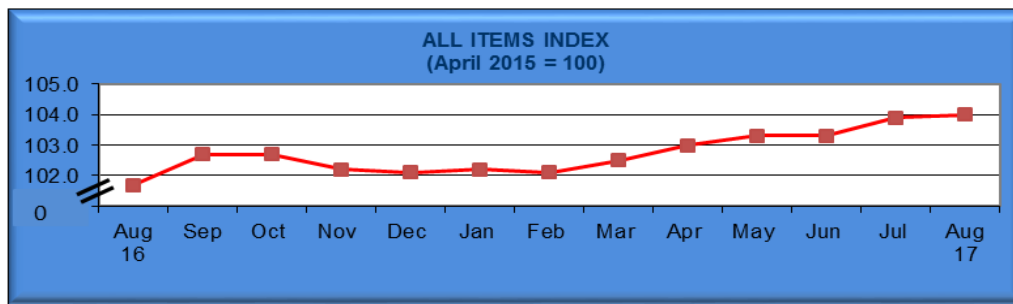
Consumers paid 2.3 per cent more in August 2017 than they did a year ago for the basket of goods and services included in the Consumer Price Index (CPI). The level of inflation increased 0.6 percentage point from the 1.7 per cent measured in July 2017.

Between July 2017 and August 2017, the average cost of goods and services in the CPI increased by 0.1 percent. The all-items index rose to 104.0 in July. This means that the basket of goods and services that cost \$100.00 in April 2015 now costs \$104.00.

YEAR-TO-YEAR ANALYSIS

The Transport & Foreign Travel sector was the largest contributor to the year-over-year increase in August. Increased prices of premium fuels caused this sector to rise 7.7 per cent.

In addition, the Fuel & Power sector and the Food sector rose 9.8 per cent and 2.7 per cent, respectively.



**Inflation
Rate
2.3%**

The compilation of the CPI involves the processing of several thousand price quotations. The Department of Statistics wishes to acknowledge the cooperation of the business community in supplying the required price data.

SUMMARY STATISTICS					
Period	Monthly		Period	Quarterly	
	Index	Annual per cent Change		Index	Annual per cent Change
2016			2015		
Aug	101.7	+1.3	Q1	98.9	+1.5
Sep	102.7	+2.0	Q2	100.2	+1.7
Oct	102.7	+2.1	Q3	100.6	+1.5
Nov	102.2	+1.7	Q4	100.5	+1.2
Dec	102.1	+1.6			
2017			2016		
Jan	102.2	+1.9	Q1	100.2	+1.3
Feb	102.1	+1.9	Q2	101.2	+1.0
Mar	102.5	+2.4	Q3	102.2	+1.6
Apr	102.8	+1.7	Q4	102.3	+1.8
May	103.3	+2.4			
Jun	103.3	+1.8	2017		
Jul	103.9	+1.7	Q1	102.3	+2.1
Aug	104.0	+2.3	Q2	103.1	+1.9

MONTH-TO-MONTH ANALYSIS

Health & Personal Care

After three months of no price movement, the Health & Personal Care sector advanced 0.5 per cent in August. The average cost of ladies hairstyling jumped 8.4 per cent.

Education, Recreation, Entertainment & Reading

The Education, Recreation, Entertainment & Reading sector rose 0.2 per cent in response to an increase in the average cost of televisions.

Food

The Food sector grew 0.1 percent in August. Leading the increase was the average cost of salad dressing (+3.5 per cent), condensed milk (+3.3 per cent) and pork loin (+2.6 per cent).

Household Goods, Services & Supplies

After a 0.2 per cent increase in July the Household Goods, Services & Supplies sector reported no change in August.

Rent

The Rent sector edged up 0.1 per cent August. Properties subjected to rent control rose 0.1 per cent.

Clothing & Footwear

The Clothing & Footwear sector reported no price movement in August.

Tobacco & Liquor

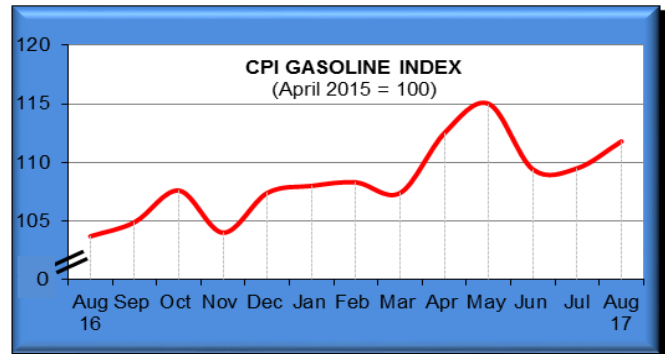
The Tobacco & Liquor sector remained static in August. The average cost of wines (+0.5 per cent) was offset by the average cost of spirits (-0.4 per cent).

Fuel & Power

Following a 3.0 per cent increase in July, the Fuel & Power sector reported no price movement in August.

Transport & Foreign Travel

The Transport & Foreign Travel sector remained unchanged in August. The average cost of airfares (-1.3 per cent) was offset by the average cost of premium fuels (+2.1 per cent).



COMPUTING PRICE INCREASES

The Department of Statistics receives calls daily requesting the rate of inflation over specific periods of time. The following calculations are provided to guide users as to how to compute rates of price increases. The monthly index numbers can be obtained from our website www.gov.bm.

A) Month-to-Month Price Change

The price change between November and October, 2015 is calculated as follows:

$$= \frac{\text{Nov 15 index} - \text{Oct 15 index}}{\text{Oct 15 index}} \times 100$$

$$= \frac{100.5 - 100.6}{100.6} \times 100$$

$$= -0.1\%$$

B) Year-to-Year Price Change

The price change between December 2015 and December, 2014 is calculated as follows:

$$= \frac{\text{Dec 15 index} - \text{Dec 14 index}}{\text{Dec 14 index}} \times 100$$

$$= \frac{100.5 - 98.7}{98.7} \times 100$$

$$= 1.8\%$$

C) Particular Period Price Change

The price change between April 2014 and January, 2016 is calculated as follows:

$$= \frac{\text{Jan 16 index} - \text{Apr 14 index}}{\text{Apr 14 index}} \times 100$$

$$= \frac{100.3 - 98.3}{98.3} \times 100$$

$$= 2.0\%$$

BERMUDA CONSUMER PRICE INDEX

APRIL 2015 = 100

	All Items	Food	Rent	Clothing & Footwear	Tobacco & Liquor	Fuel & Power	Household Goods, Services & Supplies	Transport & Foreign Travel	Education, Recreation, Entertainment & Reading	Health & Personal Care
2013 WEIGHT	1000	115	267	25	31	39	116	130	147	130
ANNUAL AVERAGE (per cent)										
2012	+2.4	+3.5	+0.2	+4.3	+2.5	+9.3	+1.0	+1.6	+2.7	+6.6
2013	+1.8	+3.0	-0.3	+0.1	+4.4	-1.9	+0.5	+1.4	+2.5	+8.3
2014	+2.0	+3.1	+0.8	+2.0	+2.4	-2.4	+0.8	+1.7	+1.9	+6.7
2015	+1.5	+2.7	+0.6	+1.3	+1.2	-8.9	+2.1	-1.3	+0.9	+7.8
2016	+1.5	+1.9	+1.0	+0.4	+5.1	-3.3	+1.6	-2.2	+3.3	+4.5
MONTHLY (per cent)										
2015										
Jul	-0.1	+0.1	Nil	+0.7	Nil	+4.0	+2.1	-3.6	-0.1	Nil
Aug	-0.2	+0.3	+0.1	Nil	+0.1	Nil	Nil	-1.6	-0.2	+0.1
Sep	+0.3	-0.1	Nil	Nil	+0.2	Nil	+0.3	+0.9	+0.9	-0.1
Oct	-0.1	+0.2	+0.1	Nil	Nil	-1.3	Nil	-1.2	+0.2	+0.5
Nov	-0.1	-0.5	Nil	Nil	Nil	-1.3	Nil	+0.1	Nil	Nil
Dec	Nil	-0.2	+0.1	Nil	+0.3	-2.0	Nil	+0.4	+0.1	Nil
2016										
Jan	-0.2	+1.2	-0.1	+0.1	+0.4	-3.7	+0.1	-1.6	Nil	Nil
Feb	-0.1	+0.6	+0.1	Nil	+1.1	Nil	Nil	-1.4	-0.3	+0.1
Mar	-0.1	-0.1	Nil	Nil	Nil	-0.8	+0.1	-0.7	+0.2	Nil
Apr	+0.9	+0.3	Nil	-0.5	+2.0	-2.6	Nil	+0.8	+2.7	+3.2
May	-0.1	-0.3	+0.1	Nil	+1.5	-5.0	Nil	-0.3	+0.5	Nil
Jun	+0.5	+0.2	Nil	Nil	+0.8	+10.4	Nil	+1.0	Nil	-0.1
Jul	+0.8	+0.3	+1.0	+0.1	Nil	+4.3	+0.1	+2.5	-0.2	Nil
Aug	-0.5	+0.1	+0.1	Nil	Nil	Nil	Nil	-4.3	Nil	Nil
Sep	+1.0	+0.1	Nil	Nil	+0.1	+6.0	+0.1	+4.5	+1.1	Nil
Oct	Nil	+0.1	Nil	+0.3	Nil	-0.9	+0.1	Nil	+0.1	+0.1
Nov	-0.5	-0.1	Nil	+0.1	Nil	-2.3	Nil	-2.8	-0.2	Nil
Dec	-0.1	-1.3	+0.1	Nil	-0.4	-3.1	Nil	+1.3	+0.1	Nil
2017										
Jan	+0.1	+2.0	Nil	+1.2	+0.8	-2.3	Nil	-1.2	Nil	Nil
Feb	-0.1	Nil	-0.8	Nil	-0.1	Nil	Nil	+0.8	-0.1	Nil
Mar	+0.4	+0.4	+0.1	Nil	+0.1	+3.9	Nil	+1.9	Nil	Nil
Apr	+0.3	-1.1	Nil	Nil	+2.8	+0.5	+0.1	+1.9	+0.2	+0.2
May	+0.4	+1.7	Nil	Nil	+4.7	+1.8	-0.1	Nil	+0.1	Nil
Jun	Nil	+0.6	+0.1	Nil	Nil	+3.3	+0.2	-1.2	-0.1	Nil
Jul	+0.6	+0.2	Nil	+0.2	+0.7	+3.0	+0.2	+2.4	+0.1	Nil
Aug	+0.1	+0.1	+0.1	Nil	Nil	Nil	Nil	Nil	+0.2	+0.5
Aug '17	104.0	105.4	101.2	102.2	116.0	108.1	103.3	102.9	105.6*	104.5
<u>Aug '17</u>	+2.3	+2.7	-0.4	+1.8	+9.0	+9.8	+0.6	+7.7	+1.5	+0.8
Aug '16										

*The Education, Recreation, Entertainment and Reading index number published in the August 2017 CPI was reported initially as 105.5. On October 27, 2022, it was corrected to 105.6. This typographical error did not affect the interpretation of the monthly or annual percentage change.

WHAT IS THE CONSUMER PRICE INDEX?

The Consumer Price Index (CPI) is a statistical tool used for measuring changes in the general level of prices of consumer goods and services purchased by private households.

The index measures price movements of a given quality and quantity of goods and services. The mix of these consumer goods and services comprising the index, are figuratively thought of as a “shopping basket.” In constructing this “shopping basket”, the selected goods and services are organized first by commodity type. They are then divided into sub-components and assigned to a major expenditure group. The Bermuda CPI is structured into nine expenditure groups or sectors:

- Food
- Rent
- Clothing & Footwear
- Tobacco & Liquor
- Fuel & Power
- Transport & Foreign Travel
- Household Goods, Services & Supplies
- Education, Recreation, Entertainment & Reading
- Health & Personal Care

CONCEPTS AND DEFINITIONS

Base Period

The time period which is used as a reference point for measuring the price change of goods and services. The base period for the Bermuda CPI is April 2015.

Price Index Number

A single figure that shows how a set of prices has changed over a specified period of time. An index number on its own means nothing. It must be compared with an index number from another period to have meaning. For example, a comparison of the index number 97.2 for January 2014 with 100.4 for January 2016, reveals that prices have increased by 3.3 percent.

Laspeyres Equation

The CPI is computed using this statistical equation. This formula calculates the total amount of money a household needs today to purchase the same basket of goods and services that it bought in the base period, April 2015.

WEIGHTED AVERAGE

A mathematical formula that takes into account the relative importance of an item’s price change compared to the overall change in the sector or CPI.

Inflation

Inflation is the process of rising prices, resulting in diminishing purchasing power of a given sum of money.

Cost of Living Index

Many individuals refer to the CPI as a cost-of-living index. The CPI is an index of pure price change only. A cost-of-living index reflects the changes in buying or consumption patterns that consumers would ordinarily make to adjust to any change in the price of a good or service.

A COMPARISON OF RATES OF INFLATION (%) Selected Countries & Bermuda

	2013	2014	2015	2016	Aug 17
Bermuda	1.8	2.0	1.5	1.5	+2.3
United States¹	1.5	0.8	0.7	2.1	+1.9
Canada²	0.9	2.0	1.1	1.4	+1.4
United Kingdom³	3.0	2.4	1.0r	1.8	+3.9

Sources:

1. US Bureau of Labour Statistics
2. Statistics Canada
3. UK Office of National Statistics

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