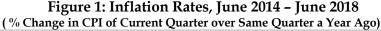


# THE CAYMAN ISLANDS' CONSUMER PRICE INDEX REPORT: APRIL TO JUNE 2018



The consumer price index (CPI) represents the overall level of prices of consumer goods and services generally purchased by households in the Cayman Islands. It increases or decreases in one quarter compared to the same quarter in the previous year. There are 2,227 goods and services from 203 providers surveyed by the ESO every quarter that are represented in the CPI. The first two pages of this Report present the highlights. The rest of the Report comprise of tables including the change in CPI indices from the current quarter compared to the previous quarter, and the technical notes on the compilation of the CPI.

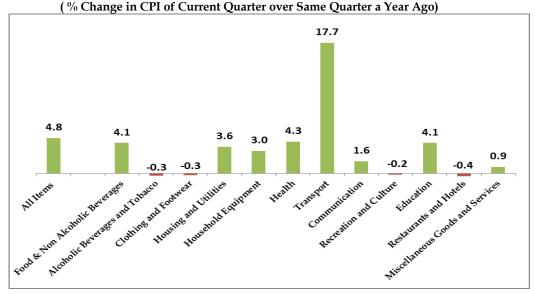
• The CPI increased in the 2nd quarter of 2018 by 4.8% compared to the 2nd quarter of 2017





• Among the 12 types of goods and services comprising the CPI, the highest overall increase was recorded in **transport** (17.7%), followed by health, education, food, and housing and utilities.

Figure 2: Inflation Rates, June 2014 – June 2018 by Major Types of Goods and Services

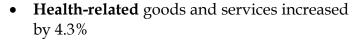


#### **CONSUMER PRICE INDEX REPORT: APRIL TO JUNE 2018**

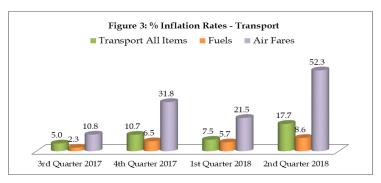
- **Transport-related** items increased by 17.7%, mainly from:
  - ➤ Air fares which rose by 52.3%
  - ➤ Fuel prices which increased by 8.6%

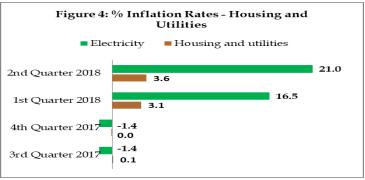


- Largely due to electricity rates which went up 21.0% on average
- Offsetting the above is the average actual rentals paid by tenants which did not record any increase

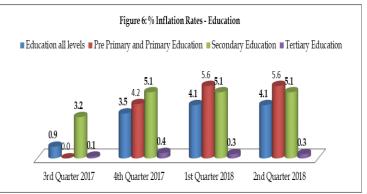


- ➤ Largely due to pharmaceutical products which increased on average by 13.1%
- In **education**, some fees prevailing in the second quarter were higher on average by 4.1% compared to the same quarter in 2017
  - ➤ Fees for pre-primary and primary schooling increased by 5.6%
  - ➤ Secondary education went up by 5.1%
- **Food** prices went up by 4.1%, due mainly to rises in prices for
  - > Fruits by 12%
  - ➤ Milk, cheese and eggs by 8.7%
  - ➤ Bread and cereals by 8.5%









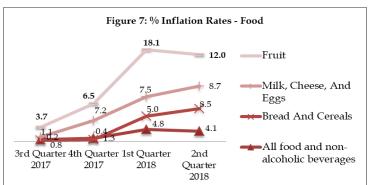




Table 1: Quarterly Consumer Price Index and Inflation Rates

September 2016 = 100

| Year | Quarter   | INDEX | Percentage change in CPI: |            |  |  |  |
|------|-----------|-------|---------------------------|------------|--|--|--|
|      | Ending    |       | 3 months ago              | 1 year ago |  |  |  |
|      |           |       |                           |            |  |  |  |
| 2011 | March     | 96.6  | 0.6                       | 0.0        |  |  |  |
|      | June      | 97.9  | 1.3                       | 0.9        |  |  |  |
|      | September | 98.2  | 0.3                       | 2.4        |  |  |  |
|      | December  | 97.8  | -0.4                      | 1.9        |  |  |  |
| 2012 | March     | 98.3  | 0.5                       | 1.8        |  |  |  |
|      | June      | 98.8  | 0.5                       | 0.9        |  |  |  |
|      | September | 98.2  | -0.6                      | 0.00       |  |  |  |
|      | December  | 99.8  | 1.6                       | 2.0        |  |  |  |
| 2013 | March     | 99.7  | -0.1                      | 1.4        |  |  |  |
|      | June      | 101.5 | 1.8                       | 2.7        |  |  |  |
|      | September | 101.0 | -0.5                      | 2.9        |  |  |  |
|      | December  | 101.5 | 0.5                       | 1.7        |  |  |  |
| 2014 | March     | 102.0 | 0.5                       | 2.3        |  |  |  |
|      | June      | 102.2 | 0.2                       | 0.7        |  |  |  |
|      | September | 102.4 | 0.2                       | 1.4        |  |  |  |
|      | December  | 102.1 | -0.3                      | 0.0        |  |  |  |
| 2015 | March     | 101.6 | -0.5                      | -0.4       |  |  |  |
|      | June      | 98.5  | -3.1                      | -3.6       |  |  |  |
|      | September | 99.5  | 1.0                       | -2.8       |  |  |  |
|      | December  | 99.6  | 0.1                       | -2.4       |  |  |  |
| 2016 | March     | 98.8  | -0.8                      | -2.8       |  |  |  |
|      | June      | 97.7  | -1.1                      | -0.8       |  |  |  |
|      | September | 100.0 | 2.4                       | 0.5        |  |  |  |
|      | December  | 100.0 | 0.0                       | 0.4        |  |  |  |
| 2017 | March     | 100.2 | 0.2                       | 1.4        |  |  |  |
|      | June      | 100.4 | 0.2                       | 2.8        |  |  |  |
|      | September | 101.4 | 1.0                       | 1.4        |  |  |  |
|      | December  | 102.4 | 1.0                       | 2.4        |  |  |  |
| 2018 | March     | 103.5 | 1.0                       | 3.2        |  |  |  |
|      | June      | 105.2 | 2.7                       | 4.8        |  |  |  |

<sup>\*</sup> The CPI series from 2011 to June 2016 were re-based to September 2016.



Table 2: Annual Averages 2011 to 2017

(September 2016 = 100)

| YEAR              | INDEX | Percentage change from a year ago |
|-------------------|-------|-----------------------------------|
|                   |       |                                   |
| 2011              | 97.6  | 1.3                               |
| 2012              | 98.8  | 1.2                               |
| 2013              | 100.9 | 2.2                               |
| 2014              | 102.2 | 1.2                               |
| 2015              | 99.8  | -2.3                              |
| 2016              | 99.1  | -0.7                              |
| 2017 <sup>R</sup> | 101.1 | 2.0                               |

R:Revised



TABLE 3: CONSUMER PRICE INDICES AND INFLATION BY DIVISIONS AND GROUPS - SECOND QUARTER 2018 (September 2016=100)

|   |  |            |                | Index  | Percentage Change |          |           |
|---|--|------------|----------------|--------|-------------------|----------|-----------|
|   | Major Groups   |            |                |        |                   | 3 months |           |
|   |  | Weight     | June 17        | Mar 17 | June 18           | ago      | 1 year ag |
|   | Overall  | 1,000.0    | 100.4          | 103.5  | 105.2             | 1.7      | 4         |
| 1 | Food and non-alcoholic beverages                                   | 66.1       | 100.6          | 104.5  | 104.8             | 0.3      | 4         |
|   | Bread and Cereals  | 8.6        | 99.8           | 105.1  | 108.4             | 3.1      | 8         |
|   | Meat & Meat Products   | 8.9        | 99.5           | 97.5   | 98.4              | 0.9      | -1        |
|   | Fish and Seafood   | 3.0        | 105.4          | 106.6  | 108.0             | 1.3      | :         |
|   | Milk, Cheese and Eggs  | 7.2        | 101.0          | 109.1  | 109.8             | 0.6      |           |
|   | Oils and Fats  | 1.7        | 100.3          | 104.5  | 104.9             | 0.4      |           |
|   | Fruits   | 6.7        | 104.4          | 118.6  | 117.0             | -1.4     | 1         |
|   | Vegetables   | 8.4        | 100.2          | 104.2  | 102.3             | -1.8     |           |
|   | Sugar, Sugar Confectionary and Snacks                              | 3.1        | 100.7          | 100.5  | 99.0              | -1.5     | -         |
|   | Other Food Products (Not Elsewhere Specified)                      | 4.3        | 99.8           | 100.8  | 101.6             | 0.8      |           |
|   | Tea, Coffee and Cocoa  | 1.4        | 100.0          | 95.5   | 97.2              | 1.7      | -         |
|   | Mineral Waters, Soft Drinks, Fruit and Vegetable Juices            | 12.9       | 99.4           | 101.7  | 101.7             | 0.0      |           |
|   | Alcoholic beverages and tobacco                                    | 22.3       | 103.3          | 102.7  | 102.9             | 0.2      |           |
|   | Spirits and Alcoholic Cordials                                     | 3.2        | 102.0          | 102.2  | 102.5             | 0.3      |           |
|   | Wine   | 6.7        | 101.7          | 101.7  | 101.5             | -0.2     |           |
|   | Beer   | 8.5        | 105.4          | 103.6  | 104.1             | 0.5      |           |
|   | Tobacco  | 3.9        | 102.6          | 102.8  | 103.1             | 0.3      |           |
|   | Clothing & Footwear  | 33.3       | 101.9          | 102.2  | 101.6             | -0.6     |           |
|   | Clothing   | 14.4       | 102.9          | 103.0  | 102.2             | -0.8     |           |
|   | Footwear   | 3.9        | 104.6          | 100.5  | 98.0              | -2.5     |           |
|   | Clothing purchased abroad  | 11.9       | 100.2          | 101.9  | 102.1             | 0.2      |           |
|   | Footwear purchased abroad  | 3.0        | 100.3          | 101.4  | 101.5             | 0.1      |           |
|   | Housing, water, electricity, gas and other fuels                   | 334.5      | 100.4          | 103.3  | 104.0             | 0.7      |           |
|   | Actual Rentals paid by Tenants                                     | 85.7       | 101.6          | 101.6  | 101.6             | 0.0      |           |
|   | Imputed Rentals for Owner Occupiers                                | 170.3      | 100.3          | 100.8  | 100.8             | 0.0      |           |
|   | Materials for the Maintenance and Repair of the Dwelling           | 2.5        | 100.9          | 101.4  | 101.0             | -0.3     |           |
|   | Services for the Maintenance and Repair of the Dwelling            | 1.1        | 100.0          | 100.0  | 100.0             | 0.0      |           |
|   | Water Supply   | 18.7       | 98.1           | 100.4  | 96.9              | -3.4     |           |
|   | Electricity  | 54.7       | 99.7           | 115.0  | 120.6             | 4.9      | :         |
|   | Gas (LPG/Propane)  | 1.5        | 100.0          | 100.3  | 100.3             | 0.0      |           |
|   | Furnishings, household equipment and routine household maintenance | 42.7       | 102.7          | 106.4  | 105.8             | -0.6     |           |
|   | Furniture and Furnishings  | 8.7        | 102.2          | 115.9  | 113.3             | -2.3     | :         |
|   | Household Textiles   | 2.2        | 98.1           | 99.3   | 99.2              | -0.1     |           |
|   | Major Household Appliances   | 4.6        | 100.4          | 102.0  | 101.1             | -0.9     |           |
|   | Small Electric Household Appliances                                | 1.0        | 101.4          | 104.0  | 103.3             | -0.6     |           |
|   | Repair of Household Appliances                                     | 2.2        | 100.0          | 104.6  | 104.6             | 0.0      |           |
|   | Glassware, Tableware and Household Utensils                        | 1.8        | 104.0          | 107.3  | 109.2             | 1.8      |           |
|   | Small Tools and Miscellaneous Accessories                          | 1.6        | 100.3          | 103.0  | 102.9             | 0.0      |           |
|   | Non-Durable Household Goods  | 11.9       | 107.5          | 108.2  | 107.9             | -0.2     |           |
|   | Employed Staff (Paid Staff Privately Employed)                     | 8.6        | 100.0          | 100.2  | 100.0             | 0.0      |           |
|   | Health   | 20.9       | 101.5          | 105.3  | 105.8             | 0.5      |           |
|   | Pharmaceutical Products  | 6.1        | 105.6          | 118.3  | 119.5             | 1.0      |           |
|   | Other Medicinal Products   | 0.6        | 103.6          | 110.3  | 119.5             | -0.2     |           |
|   | Other Medicinal Products Therapeutic Appliances and Equipment      | 2.1        | 100.1          | 96.9   | 96.9              | 0.0      |           |
|   | Medical Services   | 5.2        | 98.3           | 100.0  | 100.0             | 0.0      |           |
|   | Dental Services  | 5.2<br>1.7 |                | 100.0  | 100.0             | 0.0      |           |
|   | Paramedical Services   | 1.7        | 100.0<br>100.0 | 100.0  | 100.0             | 0.0      |           |
|   |  |            |                | 10000  | 1(1(1()           |          |           |





|    |  |              | Index   |        |         | Percentage Change |             |  |
|----|--|--------------|---------|--------|---------|-------------------|-------------|--|
|    | Major Groups   |              |         |        |         | 3 months          |             |  |
|    |  | Weight       | June 17 | Mar 17 | June 18 | ago               | 1 year ago  |  |
| 07 | Transport  | 162.0        | 99.3    | 108.9  | 116.9   | 7.4               | 17.7        |  |
|    | Purchase of Motor Vehicles                                   | 35.8         | 101.1   | 96.7   | 101.4   | 4.9               | 0.3         |  |
|    | Spare Parts and Accessories for Personal Transport Equipment | 4.8          | 106.5   | 107.0  | 106.6   | -0.3              | 0.1         |  |
|    | Fuels  | 43.4         | 102.3   | 106.1  | 111.1   | 4.7               | 8.6         |  |
|    | Maintenance and Repair of Personal Transport Equipment       | 12.9         | 109.2   | 112.0  | 124.0   | 10.8              | 13.6        |  |
|    | Other Services In Respect of Personal Transport Equipment    | 11.9         | 94.9    | 97.8   | 95.0    | -2.8              | 0.1         |  |
|    | Passenger Transport by Road                                  | 3.0          | 100.0   | 100.0  | 100.0   | 0.0               | 0.0         |  |
|    | Passenger Transport by Air                                   | 46.8         | 92.4    | 123.8  | 140.8   | 13.7              | 52.3        |  |
|    | Other Purchased Transport Services                           | 3.4          | 104.0   | 105.2  | 105.2   | 0.0               | 1.1         |  |
| 08 | Communication  | 39.1         | 102.2   | 101.2  | 103.9   | 2.6               | 1.6         |  |
|    | Telephone and Telefax Equipment                              | 3.4          | 100.1   | 115.1  | 115.1   | 0.0               | 15.0        |  |
|    | Telephone and Telefax Services                               | 35.7         | 102.4   | 99.9   | 102.8   | 2.9               | 0.4         |  |
| 09 | Recreation and Culture                                       | 59.2         | 100.4   | 98.3   | 100.2   | 1.9               | -0.2        |  |
|    | Reception and Recording Equipment                            | 2.3          | 96.1    | 89.2   | 84.3    | -5.4              | -12.2       |  |
|    | Information Processing Equipment                             | 1.9          | 103.2   | 103.9  | 103.9   | 0.0               | 0.7         |  |
|    | Recording Media (Audio Visual, Media)                        | 0.5          | 100.9   | 99.7   | 101.7   | 2.0               | 0.8         |  |
|    | Major Durables for Outdoor Recreation                        | 2.8          | 102.2   | 97.4   | 100.4   | 3.0               | -1.8        |  |
|    | Games, Toys and Hobbies                                      | 1.3          | 97.6    | 94.6   | 94.7    | 0.1               | -3.0        |  |
|    | Equipment for Sport, Camping and Open-Air Recreation         | 1.5          | 102.2   | 107.8  | 107.8   | 0.0               | 5.5         |  |
|    | Gardens, Plants and Flowers                                  | 1.3          | 99.6    | 99.6   | 99.6    | 0.0               | 0.0         |  |
|    | Pets and Related Products                                    | 3.1          | 100.0   | 100.7  | 100.7   | 0.0               | 0.7         |  |
|    | Veterinary and Other Services For Pets                       | 3.8          | 100.0   | 100.0  | 100.0   | 0.0               | 0.0         |  |
|    | Recreation and Sporting Serivces                             | 8.9          | 98.9    | 99.3   | 99.3    | 0.0               | 0.4         |  |
|    | Cultural Services  | 17.2         | 100.3   | 99.9   | 99.9    | 0.1               | -0.3        |  |
|    | Books  | 1.3          | 100.9   | 99.7   | 99.6    | -0.1              | -1.2        |  |
|    | Newspapers and Periodicals                                   | 1.3          | 100.0   | 100.0  | 100.0   | 0.0               | 0.0         |  |
|    | Package Holidays (Abroad)                                    | 12.2         | 101.8   | 93.9   | 103.1   | 9.8               | 1.3         |  |
| 10 | Education  | 38.2         | 100.0   | 104.1  | 104.1   | 0.0               | 4.1         |  |
|    | Pre Primary and Primary Education                            | 18.1         | 100.0   | 105.6  | 105.6   | 0.0               | 5.6         |  |
|    | Secondary Education  | 10.5         | 100.0   | 105.1  | 105.1   | 0.0               | 5.1         |  |
|    | Tertiary Education   | 7.1          | 100.1   | 100.4  | 100.4   | 0.0               | 0.3         |  |
|    | Education Not Definable by Level                             | 2.5          | 100.0   | 100.0  | 100.0   | 0.0               | 0.0         |  |
| 11 | Restaurants and Hotels                                       | 83.5         | 99.3    | 99.3   | 98.9    | -0.4              | -0.4        |  |
|    | Restaurants, Cafes and the Like                              | 64.3         | 99.5    | 99.5   | 99.5    | 0.0               | -0.1        |  |
|    | Canteens at Educational Establishments Or Work               | 8.8          | 100.0   | 100.7  | 100.7   | 0.0               | 0.7         |  |
|    | Accommodation Services (Local & Abroad)                      | 10.3         | 97.3    | 97.1   | 94.1    | -3.1              |             |  |
| 12 | Miscellaneous Goods and Services                             | 98.2         | 100.0   | 100.7  | 100.8   | 0.1               |             |  |
| 12 | Hairdressing Salons and Personal Grooming Establishments     | 12.8         | 99.9    | 101.1  | 101.6   | 0.4               | 1.7         |  |
|    | Other Appliances, Articles and Products for Personal Care    | 15.6         | 98.9    | 100.1  | 100.3   | 0.4               | 1.3         |  |
|    | Jewellery and Watches  | 2.3          | 114.8   | 113.9  | 113.9   | 0.0               | -0.8        |  |
|    | Other Personal Effects                                       | 1.9          | 98.9    | 114.0  | 114.0   | 0.0               | 15.2        |  |
|    | Social Protection  | 5.6          | 100.0   | 102.7  | 102.7   | 0.0               | 2.7         |  |
|    | Housing Contents Insurance                                   | 3.1          | 100.0   | 102.7  | 102.7   | 1.9               | 4.8         |  |
|    | Health Insurance   | 33.6         | 100.0   | 102.9  | 104.8   | 0.0               |             |  |
|    | Vehicle Insurance  | 33.6<br>11.7 | 98.4    | 97.1   | 97.1    | 0.0               | 0.0<br>-1.3 |  |
|    | Other Financial Services                                     | 7.8          |         | 100.0  | 100.0   | 0.0               |             |  |
|    |  |              | 100.0   |        |         |                   | 0.0         |  |
|    | Other Services Not Elsewhere Classified                      | 3.9          | 100.0   | 100.0  | 100.0   | 0.0               | 0.0         |  |



## **CONSUMER PRICE REPORT JUNE 2018**

## TABLE 4: CONSUMER PRICE INDEX, AVERAGES BY MAJOR GROUPS

|                              |                                       |                                     |                     |       |   |        |           | JI MIAUUN U   |                         |           |                         | 1                                    |           |
|------------------------------|---------------------------------------|-------------------------------------|---------------------|-------|---|--------|-----------|---------------|-------------------------|-----------|-------------------------|--------------------------------------|-----------|
| PERIOD / DIVISION            | Food & Non-<br>alcoholic<br>beverages | Alcoholic<br>Beverages &<br>Tobacco | Clothing & Footwear |       | Household<br>Furnishings<br>& Equipment | Health | Transport | Communication | Recreation &<br>Culture | Education | Restaurants<br>& Hotels | Miscellaneous<br>Goods &<br>Services | ALL ITEMS |
| WEIGHT                       | 66.1                                  | 22.3                                | 33.3                | 334.5 | 42.7                                    | 20.9   | 162.0     | 39.1          | 59.2                    | 38.2      | 83.5                    | 98.2                                 | 1000      |
|                              |                                       |                                     |                     |       |   |        | 1,121,1   |               |                         |           |                         |                                      |           |
| 2014                         |                                       |                                     |                     |       |   |        |           |               |                         |           |                         |                                      |           |
| MARCH                        | 97.1                                  | 98.8                                | 95.6                | 107.0 | 99.9                                    | 100.4  | 105.6     | 95.0          | 95.8                    | 93.8      | 104.3                   | 101.4                                | 102.0     |
| JUNE                         | 97.7                                  | 98.6                                | 96.2                | 108.3 | 100.3                                   | 100.3  | 106.5     | 96.5          | 95.8                    | 93.8      | 95.0                    | 101.1                                | 102.2     |
| SEPTEMBER                    | 98.1                                  | 99.0                                | 96.5                | 109.1 | 100.7                                   | 100.3  | 106.4     | 96.4          | 95.8                    | 93.8      | 93.4                    | 101.0                                | 102.4     |
| DECEMBER                     | 99.1                                  | 99.0                                | 96.8                | 108.3 | 100.7                                   | 100.2  | 105.8     | 95.3          | 96.7                    | 96.3      | 95.2                    | 99.4                                 | 102.1     |
| ANNUAL AVERAGE 2014          | 98.0                                  | 98.8                                | 96.2                | 108.2 | 100.4                                   | 100.3  | 106.1     | 95.8          | 96.0                    | 94.4      | 97.0                    | 100.7                                | 102.2     |
| 2015                         |                                       |                                     |                     |       |   |        |           |               |                         |           |                         |                                      |           |
| MARCH                        | 99.9                                  | 99.1                                | 97.3                | 105.9 | 100.7                                   | 100.8  | 105.5     | 97.3          | 97.6                    | 96.3      | 95.8                    | 99.0                                 | 101.6     |
| JUNE                         | 98.8                                  | 99.4                                | 98.8                | 98.1  | 100.5                                   | 100.5  | 98.3      | 99.4          | 97.6                    | 98.0      | 93.7                    | 99.5                                 | 98.5      |
| SEPTEMBER                    | 99.7                                  | 99.5                                | 100.2               | 99.5  | 100.5                                   | 100.6  | 100.8     | 99.5          | 97.5                    | 98.8      | 93.8                    | 100.2                                | 99.5      |
| DECEMBER                     | 99.9                                  | 99.6                                | 100.2               | 99.1  | 100.5                                   | 100.5  | 98.9      | 99.5          | 97.1                    | 98.8      | 99.0                    | 100.9                                | 99.6      |
| ANNUAL AVERAGE 2045          | 20.0                                  | 20.4                                | 20.4                | 400 = | 400.0                                   | 100.0  | 400.0     |               | 0= 4                    |           | 25.0                    | 20.0                                 |           |
| ANNUAL AVERAGE 2015          | 99.6                                  | 99.4                                | 99.1                | 100.7 | 100.6                                   | 100.6  | 100.9     | 98.9          | 97.4                    | 98.0      | 95.6                    | 99.9                                 | 99.8      |
| 2016                         |                                       |                                     |                     |       |   |        |           |               |                         |           |                         |                                      |           |
| MARCH                        | 100.2                                 | 99.7                                | 99.2                | 96.5  | 100.3                                   | 100.7  | 98.4      | 99.5          | 97.0                    | 98.8      | 95.8                    | 102.8                                | 98.8      |
| JUNE                         | 98.7                                  | 99.7                                | 99.3                | 95.2  | 100.5                                   | 100.7  | 98.4      | 99.5          | 99.5                    | 98.8      | 92.7                    | 99.8                                 | 97.7      |
| SEPTEMBER                    | 100.0                                 | 100.0                               | 100.0               | 100.0 | 100.0                                   | 100.0  | 100.0     | 100.0         | 100.0                   | 100.0     | 100.0                   | 100.0                                | 100.0     |
| DECEMBER                     | 99.8                                  | 100.5                               | 100.7               | 100.2 | 100.3                                   | 100.3  | 100.1     | 100.0         | 98.5                    | 100.0     | 99.5                    | 100.0                                | 100.0     |
| ANNUAL AVERAGE 2016          | 99.7                                  | 100.0                               | 99.8                | 98.0  | 100.3                                   | 100.4  | 99.2      | 99.8          | 98.7                    | 99.4      | 97.0                    | 100.6                                | 99.1      |
| 2017                         |                                       |                                     |                     |       |   |        |           |               |                         |           |                         |                                      |           |
| MARCH                        | 99.7                                  | 101.7                               | 101.5               | 100.2 | 102.6                                   | 99.8   | 101.3     | 100.0         | 97.9                    | 100.0     | 99.1                    | 99.7                                 | 100.2     |
| JUNE                         | 100.6                                 | 103.3                               | 101.9               | 100.4 | 102.7                                   | 101.5  | 99.3      | 102.2         | 100.4                   | 100.0     | 99.3                    | 100.0                                | 100.4     |
| SEPTEMBER                    | 100.8                                 | 103.3                               | 103.6               | 100.1 | 103.5                                   | 104.7  | 105.0     | 100.3         | 100.5                   | 100.9     | 99.5                    | 100.1                                | 101.4     |
| DECEMBER                     | 101.1                                 | 102.8                               | 101.2               | 100.2 | 106.1                                   | 105.4  | 110.8     | 101.3         | 98.5                    | 103.5     | 98.9                    | 100.7                                | 102.4     |
| ANNUAL AVERAGE 2017          | 100.6                                 | 102.8                               | 102.0               | 100.2 | 103.7                                   | 102.8  | 104.1     | 100.9         | 99.3                    | 101.1     | 99.2                    | 100.1                                | 101.1     |
| 2018                         |                                       |                                     |                     |       |   |        |           |               |                         |           |                         |                                      |           |
| MARCH                        | 104.5                                 | 102.7                               | 102.2               | 103.3 | 106.4                                   | 105.3  | 108.9     | 101.2         | 98.3                    | 104.1     | 99.3                    | 100.7                                | 103.5     |
| JUNE                         | 104.8                                 | 102.9                               | 101.6               | 104.0 | 105.8                                   | 105.8  | 116.9     | 103.9         | 100.2                   | 104.1     | 98.9                    | 100.8                                | 105.2     |
| % CHANGE OVER PREV YEAR      | 4.1                                   | -0.3                                | -0.3                | 3.6   | 3.0                                     | 4.3    | 17.7      | 1.6           | -0.2                    | 4.1       | -0.4                    | 0.9                                  | 4.8       |
| % CHANGE OVER PREV QTR       | 0.3                                   | 0.2                                 | -0.6                | 0.7   | -0.6                                    | 0.5    | 7.4       | 2.6           | 1.9                     | 0.0       | -0.4                    | 0.1                                  | 1.7       |
|                              |                                       |                                     |                     |       |   |        |           |               |                         |           |                         |                                      |           |
| ANNUAL AVERAGE % CHANGE 2015 | 1.6                                   | 0.6                                 | 3.0                 | -6.9  | 0.2                                     | 0.3    | -4.8      | 3.3           | 1.5                     | 3.8       | -1.5                    | -0.8                                 | -2.3      |
| ANNUAL AVERAGE % CHANGE 2016 | 0.1                                   | 0.6                                 | 0.7                 | -2.7  | -0.3                                    | -0.1   | -1.7      | 0.8           | 1.3                     | 1.5       | 1.5                     | 0.7                                  | -0.7      |
| ANNUAL AVERAGE % CHANGE 2017 | 0.9                                   | 2.8                                 | 2.2                 | 2.3   | 3.4                                     | 2.4    | 4.9       | 1.2           | 0.6                     | 1.7       | 2.2                     | -0.5                                 | 2.0       |



TABLE 5: Average Prices of Selected Items
Quarter Ending June 2018

| Item                                     | Quantity  | Average Prices |        |        |  |  |
|--|-----------|----------------|--------|--------|--|--|
|  |           | Jun 17         | Mar 18 | Jun 18 |  |  |
| Sliced Brown Bread                       | 20 oz     | 2.69           | 2.86   | 2.89   |  |  |
| Enriched Parboiled Long Grain Rice       | 5 lb      | 7.52           | 9.62   | 9.62   |  |  |
| Cornflakes (original)                    | 24 oz     | 5.39           | 5.46   | 5.46   |  |  |
| Ctow Doof                                | مال بده م | F 40           | 4.04   | F 00   |  |  |
| Stew Beef                                | per lb    | 5.40           | 4.94   | 5.36   |  |  |
| Corned Beef - regular                    | 340 g     | 4.19           | 4.49   | 4.49   |  |  |
| Salmon Steaks - Fresh                    | per lb    | 12.02          | 12.49  | 12.82  |  |  |
| Canned Tuna in water                     | 5 oz      | 1.67           | 1.66   | 1.66   |  |  |
|  |           |                |        |        |  |  |
| Eggs (Grade A Extra Large)               | 1 doz     | 2.12           | 3.42   | 3.44   |  |  |
| Butter - Salted                          | 227 g     | 3.76           | 4.26   | 4.29   |  |  |
| Condensed Milk                           | 395 g     | 1.99           | 1.99   | 2.02   |  |  |
| Vegetable Oil                            | 48 oz     | 6.39           | 5.96   | 5.96   |  |  |
|  |           |                |        |        |  |  |
| Plantain                                 | per lb    | 1.11           | 1.27   | 1.03   |  |  |
| Potatoes - Irish                         | 5lb bag   | 3.75           | 3.78   | 3.87   |  |  |
| Lettuce - Iceberg                        | each      | 2.31           | 2.09   | 2.42   |  |  |
| Sweet Potatoes                           | per lb    | 2.76           | 3.21   | 3.18   |  |  |
| Tomatoes - Slicing                       | per lb    | 3.16           | 3.12   | 3.05   |  |  |
| Bananas - Ripe                           | per lb    | 1.04           | 1.04   | 1.05   |  |  |
| Apple - Red Delicious                    | per lb    | 1.73           | 2.16   | 2.13   |  |  |
| Grapes - Red Seedless                    | per lb    | 4.28           | 4.24   | 3.97   |  |  |
| Grapes - Neu Occuless                    | perio     | 4.20           | 7.27   | 0.57   |  |  |
| Tea - 100% Natural                       | 100 bags  | 5.68           | 5.68   | 5.68   |  |  |
| Coffee - Instant -Classic Roast - Bottle | 7 oz      | 8.12           | 8.12   | 8.66   |  |  |
| Soda                                     | 20 oz     | 1.11           | 1.24   | 1.24   |  |  |
| 00                                       | 4 11      | 0.00           | 0.50   | 0.00   |  |  |
| Cane Sugar                               | 4 lb      | 2.66           | 2.59   | 2.08   |  |  |
| lodized Salt                             | 26 oz     | 1.06           | 1.06   | 1.16   |  |  |
| Petrol - Regular Full Service            | per gal   | 4.27           | 4.44   | 4.65   |  |  |
| Petrol - Premium Full Service            | per gal   | 4.50           | 4.65   | 4.87   |  |  |
| Diesel - Full Service                    | per gal   | 4.17           | 4.24   | 4.42   |  |  |



# Table 6: Core Consumer Price Index and Inflation Rates\*

## **September 2016 = 100**

| Period        | INDEX | Percentage change<br>1 year ago |
|---------------|-------|---------------------------------|
| Dec-16        | 100.1 | 0.1                             |
| <b>Dec-17</b> | 102.7 | 2.5                             |

<sup>\*</sup>CPI Inflation excluding food, gas piped and electricity, fuel oil and other household fuels, and motor fuels.



### NOTES ON THE INDEX COMPILATION

### 1. Data collection

This report uses the 2016 CPI basket based on the results of the 2015 Household Budget Survey (HBS) as updated between August 2016 and August 2017. The goods and services in the basket are classified into twelve (12) divisions using the United Nations' Classification of Individual Consumption According to Purpose (COICOP). In all, there are **2,227** items (7th-digit COICOP level) included in the basket collected from **203** providers/outlets in Grand Cayman, compared to 2008 when there were **1,647** items collected from **147** providers/outlets. The items are classified as follows:

Summary Table: Number of Items and Weights for the CPI Baskets of 2008 and 2016

|     |                                  | 20                 | 08      | 20:                | 16      |
|-----|----------------------------------|--------------------|---------|--------------------|---------|
|     |                                  | Number of<br>Items | Weights | Number of<br>Items | Weights |
|     | Total                            | 1,647              | 1,000   | 2,227              | 1,000   |
| 01. | Food & Non Alcoholic Beverage    | 540                | 79.6    | 551                | 66.1    |
| 02. | Alcohol and Tobacco              | 66                 | 6.5     | 153                | 22.3    |
| 03. | Clothing and Footwear            | 153                | 34.3    | 273                | 33.3    |
| 04. | Housing and Utilities            | 59                 | 394.4   | 153                | 334.5   |
| 05. | Household Equipment              | 212                | 56.4    | 316                | 42.7    |
| 06. | Health                           | 111                | 24.2    | 124                | 20.9    |
| 07. | Transport                        | 107                | 96.1    | 198                | 162.0   |
| 08. | Communication                    | 62                 | 69.7    | 40                 | 39.1    |
| 09. | Recreation and Culture           | 75                 | 40.5    | 94                 | 59.2    |
| 10. | Education                        | 18                 | 27.9    | 46                 | 38.2    |
| 11. | Restaurants and Hotels           | 57                 | 40.2    | 103                | 83.5    |
| 12. | Miscellaneous Goods and Services | 187                | 130.2   | 176                | 98.2    |

All price indices for goods and services purchased abroad were taken from price indices published by the US Bureau of Labour Statistics.

ESO collection periods and price averaging methodologies follow updated international standards, in particular the *Consumer Price Index Manual: Theory and Practice* (August 2004) published by the International Labour Organization (ILO). Prices of selected items are collected every second month of the quarter. Vulnerable items which change monthly, such as vegetables and fruits, fish and meat, and gas are collected on a monthly basis. Prices across outlets are averaged using the geometric mean formula to reduce the impact of extreme or outlier prices (please see below).



### 2. CPI formula

The CPI is computed using Lowe's formula. The Lowe indices is one of the widest and popular class of price indices which is obtained by defining the index as the percentage change, between the periods compared, in the total cost of purchasing a given set of quantities, generally described as a "basket". The Lowe index, PLo, is defined as follows<sup>2</sup>:

$$P_{Lo} = \sum_{i=1}^{n} p_{i}^{t} q_{i} / \sum p_{i}^{0} q_{i}$$

Where  $n = number of products in the basket with prices <math>p_i$  and quantities  $q_i$ 

0 = base period

t = later period being compared

#### Geometric mean

The price p = [p1, p2, ..., pn] for each item from different outlets is the average of prices of the outlets using geometric mean or the formula:

$$p = \left(\prod_{i=1}^{n} p_{i}\right)^{1/n} = \sqrt[n]{p_{1}, p_{2}, ..., p_{n}}$$

**Inflation**: this refers to the percentage change in the Consumer Price Index from one period to another. Typically, this period would be a year or a quarter.

**Annual Inflation Rate:** the percentage change of the CPI in the quarter under review over the CPI of the same quarter a year ago. This is also known as **year-on-year inflation rate**.

**Quarterly Inflation Rate:** the percentage change of the CPI in the quarter under review over the immediate previous quarter. This is also known as **quarter-on-quarter inflation rate**.

<sup>&</sup>lt;sup>1</sup> ILO by2004, p. 2). Consumer price index manual

<sup>&</sup>lt;sup>2</sup> Ibid, p.3