

## Consumer Price Index, base period June 2019 December 2019

*The Central Bureau of Statistics presents the most important findings for the Consumer Price Index (CPI) for the month of December 2019.*

### Consumer Price Index for the month of December 2019

The CPI for December 2019 is 101.66, an increase of 1.1% compared to the index of November 2019 (100.53) and accumulating an increase of 5.2% up to and including December of 2019.

The percentage change of the CPI over the last twelve (12) months (December 2018 to December 2019) is 5.2, an increase of 0.7 ppts compared to the percentage change for the same period of last year (4.5%).

The period average percentage change of the CPI for the period December 2018 - December 2019 is 4.3%, an increase of 0.7 ppts compared to the period average percentage change over the period December 2017 - December 2018 (3.6%).

During this month, eight (8) of the twelve (12) sectors registered increases in prices. The increases that had the greatest influence on the CPI were registered for the "Recreation and culture" (5.8%) and "Transport" (2.7%) sectors, which contributed with an effect of 0.53 and 0.34 ppts, respectively. The increases in the remaining sectors had an effect of 0.34 ppts on the CPI of December 2019.

Aforementioned increases were partially offset mainly by decreases in the indices for the "Miscellaneous goods and services" (-0.5%) and "Health" (-1.1%) sectors, causing an effect of -0.05 and -0.02 ppts, respectively. The decrease in the remaining sector had an insignificant effect on the CPI of December 2019.

The increase in the "Recreation and culture" sector was mainly due to an increase in the category "Holidays" (18.7%), which contributed to an effect of 0.45 ppts. The increase in the "Transport" sector was mainly caused by an increase of 5.9% in the category "Purchase of vehicles", which contributed to an effect of 0.24 ppts.

The decrease in the "Miscellaneous goods and services" sector was mainly due to a decrease in the category "Personal effects n.e.c." (-4.6%), which contributed to an effect of -0.06 ppts. The decrease in the "Health" sector was caused by a decrease of 1.6% in the category "Medical products, appliances and equipment", which contributed to an effect of -0.02 ppts.

### Consumption basket

The consumption basket of the CPI consists of 408 goods and services. Compared to November 2019, 40.0% of these products had an increase in price, causing an effect of 1.79 ppts, while 37.7% showed a decrease, contributing to an effect of -0.67 ppts and the remaining 22.3% had no change in price. The prices of goods increased by 0.6% and caused an influence of 0.36 ppts. The prices of services showed an increase of 1.9% and had an influence of 0.77 ppts on the CPI of December 2019.

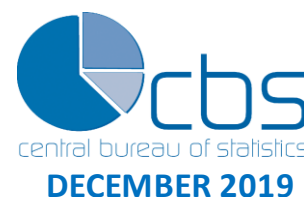
### Core inflation

The CPIC (core inflation) - CPI excluding the effect of energy and food - was 3.5% in December 2019. The energy index - which consists of the products: electricity, water, gasoline and diesel - was -0.3%. The food index showed an increase of 13.2%.

### Subsistence level

The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) in December 2019 is Afl. 5,013, an increase of Afl. 301 compared to December 2018 (Afl. 4,712). The subsistence level for a single adult household is Afl. 2,387, an increase of Afl. 143 compared to December 2018 (Afl. 2,244).

January 27, 2020



| CPI            | (BASE JUN 2019 = 100) |
|----------------|-----------------------|
| Index          | ↑ 101.66              |
| Monthly        | ↑ 1.1                 |
| Year-to-date   | ↑ 5.2                 |
| End of period  | ↑ 5.2                 |
| Period average | ↑ 4.3                 |
| Goods          | ↑ 0.6                 |
| Services       | ↑ 1.9                 |

| CPIC   |        |
|--------|--------|
| CPIC   | ↑ 3.5  |
| Energy | ↓ -0.3 |
| Food   | ↑ 13.2 |

| SUBSISTENCE LEVEL     | in AFL. |
|-----------------------|---------|
| 1 adult               | ↓ 2,387 |
| 2 adults + 2 children | ↓ 5,013 |

CPIC: CPI excluding the effect of energy and food.

Energy: Electricity, water, gasoline and diesel.

SUBSISTENCE LEVEL: The minimum level of income which is perceived necessary to achieve an adequate standard of living.

Table 1 Overview percentage change of the CPI

|                              | Dec-18 | Jan-19 | Feb-19 | Mar-19 | Apr-19 | May-19 | Jun-19 | Jul-19 | Aug-19 | Sep-19 | Oct-19 | Nov-19 | Dec-19 |
|------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <i>Index</i>                 | 96.67  | 96.25  | 96.66  | 98.00  | 98.83  | 99.19  | 100.00 | 100.06 | 99.80  | 100.00 | 100.49 | 100.53 | 101.66 |
| <i>Monthly</i>               | 0.7    | -0.4   | 0.4    | 1.4    | 0.8    | 0.4    | 0.8    | 0.1    | -0.3   | 0.2    | 0.5    | 0.04   | 1.1    |
| <i>Year-to-date</i>          | 4.5    | -0.4   | 0.0    | 1.4    | 2.2    | 2.6    | 3.4    | 3.5    | 3.2    | 3.4    | 3.9    | 4.0    | 5.2    |
| <i>End of period</i>         | 4.5    | 3.6    | 3.0    | 3.5    | 4.5    | 4.5    | 4.8    | 3.7    | 4.0    | 4.4    | 5.0    | 4.8    | 5.2    |
| <i>Period average</i>        | 3.6    | 3.8    | 3.9    | 3.9    | 4.1    | 4.2    | 4.3    | 4.2    | 4.1    | 4.1    | 4.2    | 4.2    | 4.3    |
| <i>Goods</i>                 | -0.2   | 0.2    | 0.3    | 2.3    | 0.5    | 1.3    | 0.7    | -0.3   | 0.1    | 0.1    | 0.0    | -0.4   | 0.6    |
| <i>Services</i>              | 2.1    | -1.3   | 0.5    | 0.1    | 1.3    | -1.0   | 1.0    | 0.6    | -0.7   | 0.4    | 1.2    | 0.7    | 1.9    |
| <i>CPIC</i>                  | 1.9    | 2.1    | 2.3    | 2.4    | 2.6    | 2.9    | 3.1    | 3.0    | 3.0    | 3.0    | 3.2    | 3.4    | 3.5    |
| <i>Energy</i>                | 3.8    | 3.7    | 3.4    | 3.3    | 3.1    | 2.9    | 2.5    | 1.9    | 1.4    | 0.8    | 0.3    | -0.2   | -0.3   |
| <i>Food</i>                  | 12.2   | 13.2   | 12.8   | 12.7   | 12.6   | 12.4   | 12.4   | 12.5   | 12.8   | 13.1   | 13.5   | 13.5   | 13.2   |
| <i>1 adult</i>               | 2,244  | 2,255  | 2,264  | 2,317  | 2,338  | 2,361  | 2,384  | 2,379  | 2,372  | 2,377  | 2,382  | 2,375  | 2,387  |
| <i>2 adults + 2 children</i> | 4,712  | 4,735  | 4,754  | 4,867  | 4,909  | 4,957  | 5,005  | 4,997  | 4,981  | 4,992  | 5,002  | 4,987  | 5,013  |

Source: Central Bureau of Statistics Aruba

Table 2 Percentage change by sector

| <i>Sector</i>                               | Weight coefficient | Effect Nov - Dec | Percentage changes |                        |                               |                                |
|---|--------------------|------------------|--------------------|------------------------|-------------------------------|--------------------------------|
|   |                    |                  | Monthly Nov - Dec  | Year-to-date Dec - Dec | End of period Dec 18 - Dec 19 | Period average Dec 18 - Dec 19 |
| <b><i>CPI</i></b>                           | <b>10,000.0</b>    | <b>1.13</b>      | <b>1.1</b>         | <b>5.2</b>             | <b>5.2</b>                    | <b>4.3</b>                     |
| <i>01. Food and non-alcoholic beverages</i> | 1,087.7            | 0.00             | 0.01               | 10.7                   | 10.7                          | 12.8                           |
| <i>02. Alcoholic beverages and tobacco</i>  | 78.2               | 0.00             | -0.2               | 14.8                   | 14.8                          | 14.6                           |
| <i>03. Clothing and footwear</i>            | 276.8              | 0.00             | 0.2                | 9.4                    | 9.4                           | 5.4                            |
| <i>04. Housing</i>                          | 2,522.2            | 0.15             | 0.6                | 1.2                    | 1.2                           | 1.2                            |
| <i>05. Household operation</i>              | 929.2              | 0.09             | 1.3                | 2.7                    | 2.7                           | 0.2                            |
| <i>06. Health</i>                           | 223.1              | -0.02            | -1.1               | -1.7                   | -1.7                          | 2.6                            |
| <i>07. Transport</i>                        | 1,257.4            | 0.34             | 2.7                | 4.5                    | 4.5                           | 1.1                            |
| <i>08. Communications</i>                   | 849.6              | 0.00             | 0.01               | -0.05                  | -0.05                         | 8.7                            |
| <i>09. Recreation and culture</i>           | 1,013.3            | 0.53             | 5.8                | 16.6                   | 16.6                          | 3.9                            |
| <i>10. Education</i>                        | 98.0               | 0.00             | 0.0                | 0.0                    | 0.0                           | 0.2                            |
| <i>11. Restaurants and hotels</i>           | 442.0              | 0.09             | 1.8                | 5.1                    | 5.1                           | 4.0                            |
| <i>12. Miscellaneous goods and services</i> | 1,222.6            | -0.05            | -0.5               | 3.3                    | 3.3                           | 3.1                            |

Source: Central Bureau of Statistics Aruba

Table 3 Categories with the greatest positive effect on the CPI of December 2019

| <i>Category</i>   | Monthly change | Effect |
|---|----------------|--------|
| <i>Holidays</i>   | 18.7           | 0.45   |
| <i>Purchase of vehicles</i>   | 5.9            | 0.24   |
| <i>Water supply and miscellaneous services relating to the dwelling</i> | 3.2            | 0.14   |
| <i>Household appliances</i>   | 9.5            | 0.13   |
| <i>Audio-visual, photographic and information processing equipment</i>  | 24.9           | 0.08   |

Source: Central Bureau of Statistics Aruba

Table 4 Categories with the greatest negative effect on the CPI of December 2019

| <i>Category</i>                                   | Monthly change | Effect |
|---|----------------|--------|
| <i>Personal effects n.e.c.</i>                    | -4.6           | -0.06  |
| <i>Footwear</i>                                   | -7.0           | -0.03  |
| <i>Household textiles</i>                         | -7.0           | -0.02  |
| <i>Medical products, appliances and equipment</i> | -1.6           | -0.02  |

Source: Central Bureau of Statistics Aruba

## Change in prices of crude oil, utilities, gasoline and diesel in December 2019

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In December 2019 the average price per barrel of crude oil (US\$ 59.73) had an increase of US\$ 2.99 (5.3%) compared to November 2019 (US\$ 56.74).

The total energy charge per kWh for the usage of electricity up to 500 kWh did not change in December 2019, it stayed at Afl. 34.52 cents per kWh. The total energy charge per kWh for the usage of electricity between 501 - 1000 kWh did not change in December 2019, it stayed at Afl. 35.72 cents per kWh. Additionally, the total energy charge per kWh for the usage of electricity above 1000 kWh did not change in December 2019, it stayed at Afl. 45.93 cents per kWh. The prices of electricity and water did not change compared to November 2019. Subsequently, the average electricity price per household remained at Afl. 265.65, while the average price of water per household remained at Afl. 137.05.

In December 2019 the price of gasoline registered an increase of Afl. 0.40 cents (0.2%) and had an effect of 0.01 ppt on the CPI. The price of diesel registered a decrease of Afl. 2.10 cents (-1.2%) and had an insignificant effect on the CPI of December 2019.

In December 2019, utilities, gasoline and diesel as a group showed a slight increase in price of 0.03% compared to November 2019, and had an insignificant influence on the CPI, while the remaining 404 goods and services, as a group, experienced an increase of 1.3% in price, causing an effect of 1.12 ppts on the CPI.

Table 6 Effect on the CPI of December 2019 of goods and services which are dependent on crude oil prices

| Category                     | Weight   | Monthly change | Effect |
|------------------------------|----------|----------------|--------|
| Electricity                  | 810.2    | 0.0            | 0.00   |
| Gasoline                     | 430.5    | 0.2            | 0.01   |
| Water                        | 367.3    | 0.0            | 0.00   |
| Diesel                       | 30.2     | -1.2           | 0.00   |
| Total group                  | 1,638.1  | 0.03           | 0.00   |
| Remaining goods and services | 8,361.9  | 1.3            | 1.12   |
| CPI                          | 10,000.0 | 1.1            | 1.13   |

Source: Central Bureau of Statistics Aruba

Table 5 Prices of crude oil, utilities, gasoline and diesel, 2018 - 2019

| Month                 | 2018         |                              |                                  |               |               |               |               | 2019         |                              |                                  |               |               |               |               |
|-----------------------|--------------|------------------------------|----------------------------------|---------------|---------------|---------------|---------------|--------------|------------------------------|----------------------------------|---------------|---------------|---------------|---------------|
|                       | Crude oil    | Total energy charge ≤500 kWh | Total energy charge 501-1000 kWh | Electricity   | Water         | Gasoline      | Diesel        | Crude oil    | Total energy charge ≤500 kWh | Total energy charge 501-1000 kWh | Electricity   | Water         | Gasoline      | Diesel        |
| January               | 63.38        | 34.52                        | 35.72                            | 265.65        | 137.05        | 186.80        | 161.90        | 50.65        | 34.52                        | 35.72                            | 265.65        | 137.05        | 188.50        | 165.10        |
| March                 | 62.59        | 34.52                        | 35.72                            | 265.65        | 137.05        | 194.30        | 168.30        | 54.45        | 34.52                        | 35.72                            | 265.65        | 137.05        | 189.40        | 170.20        |
| March                 | 62.82        | 34.52                        | 35.72                            | 265.65        | 137.05        | 193.20        | 165.00        | 57.84        | 34.52                        | 35.72                            | 265.65        | 137.05        | 197.70        | 177.30        |
| April                 | 66.14        | 34.52                        | 35.72                            | 265.65        | 137.05        | 195.50        | 164.60        | 63.89        | 34.52                        | 35.72                            | 265.65        | 137.05        | 197.70        | 181.10        |
| May                   | 70.31        | 34.52                        | 35.72                            | 265.65        | 137.05        | 202.50        | 172.00        | 60.89        | 34.52                        | 35.72                            | 265.65        | 137.05        | 209.50        | 185.00        |
| June                  | 67.77        | 34.52                        | 35.72                            | 265.65        | 137.05        | 208.90        | 179.70        | 54.66        | 34.52                        | 35.72                            | 265.65        | 137.05        | 209.50        | 183.70        |
| July                  | 71.16        | 34.52                        | 35.72                            | 265.65        | 137.05        | 214.80        | 184.70        | 57.28        | 34.52                        | 35.72                            | 265.65        | 137.05        | 208.00        | 174.20        |
| August                | 68.25        | 34.52                        | 35.72                            | 265.65        | 137.05        | 217.10        | 184.60        | 55.17        | 34.52                        | 35.72                            | 265.65        | 137.05        | 215.10        | 177.20        |
| September             | 70.15        | 34.52                        | 35.72                            | 265.65        | 137.05        | 215.90        | 185.00        | 57.03        | 34.52                        | 35.72                            | 265.65        | 137.05        | 204.50        | 172.80        |
| October               | 71.44        | 34.52                        | 35.72                            | 265.65        | 137.05        | 216.40        | 190.10        | 53.77        | 34.52                        | 35.72                            | 265.65        | 137.05        | 205.10        | 178.40        |
| November              | 57.91        | 34.52                        | 35.72                            | 265.65        | 137.05        | 214.60        | 194.20        | 56.74        | 34.52                        | 35.72                            | 265.65        | 137.05        | 203.30        | 177.70        |
| December              | 49.09        | 34.52                        | 35.72                            | 265.65        | 137.05        | 199.40        | 181.00        | 59.73        | 34.52                        | 35.72                            | 265.65        | 137.05        | 203.70        | 175.60        |
| <b>Yearly Average</b> | <b>65.08</b> | <b>34.52</b>                 | <b>35.72</b>                     | <b>265.65</b> | <b>137.05</b> | <b>204.95</b> | <b>177.59</b> | <b>56.84</b> | <b>34.52</b>                 | <b>35.72</b>                     | <b>265.65</b> | <b>137.05</b> | <b>202.67</b> | <b>176.53</b> |

Source: Central Bureau of Statistics Aruba

<sup>1</sup> Average West Texas Intermediate (WTI) crude oil price per barrel in US\$ (Source: U.S. Energy Information Administration)

<sup>2</sup> Total energy charge in Afl. cents per kWh

<sup>3</sup> Electricity price in Afl. is based on an average household usage of 725.5 kWh

<sup>4</sup> Water price in Afl. is based on an average household usage

<sup>5</sup> Gasoline and diesel prices in Afl. cents per liter

## Change in prices of Food & catering services in December 2019

The “Food & catering services” index showed an increase of 0.2% in December 2019, after a decrease of 0.4% in November 2019. The index for “Food at home” showed a slight increase of 0.01% in December, as six (6) of the eleven (11) “Food at home” indices increased in December 2019. The “Food products n.e.c.” index registered the largest increase (0.5%) in December 2019. Furthermore, increases were posted in the indices for “Milk, cheese and eggs” (0.4%), and “Meat” (0.3).

The “Potatoes and other tubers” (-4.8%) index registered the largest decrease in December 2019. Other decreases were registered for the indices of “Oils and fats” (-0.8%), “Fish and other seafood” (-0.2%) and “Bread and cereals” (-0.2%).

Over the last twelve (12) months, the “Food & catering services” has increased by 9.2%. The “Food at home” index showed an increase of 10.7%. The “Fruit” index increased by 30.5%, the largest increase among the “Food at home” food groups.

The index for “Food away from home” registered an increase of 0.9% in December 2019 and has increased by 4.5% over the last twelve (12) months.

In December 2019, “Food at home” and “Food away from home” as a group showed an increase in price of 0.2% compared to November 2019, and had an influence of 0.05 ppts on the CPI, while the remaining goods and services, as a group, experienced an increase in price of 1.4%, causing an effect of 1.08 ppts on the CPI.

Table 8 Effect on the CPI of December 2019 of Food at home and Food away from home

| Category                     | Weight   | Monthly change | Effect |
|------------------------------|----------|----------------|--------|
| Food at home                 | 1,087.7  | 0.01           | 0.00   |
| Food away from home          | 429.8    | 0.9            | 0.04   |
| Total group                  | 1,517.5  | 0.2            | 0.05   |
| Remaining goods and services | 8,482.5  | 1.4            | 1.08   |
| CPI                          | 10,000.0 | 1.1            | 1.13   |

Source: Central Bureau of Statistics Aruba

Table 7 Percentage change for Food & catering services

|   | Weight coefficient | Indices       |               |               | Percentage changes |                   |                               | Effect            |                               |
|---|--------------------|---------------|---------------|---------------|--------------------|-------------------|-------------------------------|-------------------|-------------------------------|
|   |                    | Dec-18        | Nov-19        | Dec-19        | Monthly Oct - Nov  | Monthly Nov - Dec | End of period Dec 18 - Dec 19 | Monthly Nov - Dec | End of period Dec 18 - Dec 19 |
| <b>Food &amp; catering services</b>       | <b>1,517.5</b>     | <b>135.11</b> | <b>147.25</b> | <b>147.55</b> | <b>-0.4</b>        | <b>0.2</b>        | <b>9.2</b>                    | <b>0.046</b>      | <b>1.954</b>                  |
| <b>Food at home</b>                       | <b>1,087.7</b>     | <b>143.00</b> | <b>158.30</b> | <b>158.32</b> | <b>-0.7</b>        | <b>0.01</b>       | <b>10.7</b>                   | <b>0.002</b>      | <b>1.724</b>                  |
| Bread and cereals                         | 178.1              | 116.25        | 119.87        | 119.66        | -1.3               | -0.2              | 2.9                           | -0.004            | 0.063                         |
| Meat                                      | 242.5              | 120.76        | 125.88        | 126.28        | -0.1               | 0.3               | 4.6                           | 0.010             | 0.138                         |
| Fish and other seafood                    | 49.0               | 106.18        | 113.84        | 113.63        | 0.0                | -0.2              | 7.0                           | -0.001            | 0.038                         |
| Milk, cheese and eggs                     | 135.3              | 119.25        | 128.09        | 128.55        | 0.7                | 0.4               | 7.8                           | 0.006             | 0.130                         |
| Oils and fats                             | 32.2               | 138.18        | 151.92        | 150.77        | 0.3                | -0.8              | 9.1                           | -0.004            | 0.042                         |
| Fruit                                     | 97.6               | 348.04        | 454.10        | 454.15        | -3.0               | 0.0               | 30.5                          | 0.000             | 1.071                         |
| Potatoes and other tubers                 | 18.2               | 123.81        | 141.59        | 134.86        | -0.8               | -4.8              | 8.9                           | -0.012            | 0.021                         |
| Vegetables                                | 89.1               | 185.52        | 184.06        | 184.00        | 2.4                | 0.0               | -0.8                          | 0.000             | -0.014                        |
| Sugar, jam, honey and other confectionery | 42.0               | 93.36         | 100.60        | 100.73        | 0.2                | 0.1               | 7.9                           | 0.001             | 0.032                         |
| Food products n.e.c.                      | 80.1               | 106.95        | 116.04        | 116.61        | -0.6               | 0.5               | 9.0                           | 0.005             | 0.080                         |
| Non-alcoholic beverages                   | 123.6              | 117.49        | 126.97        | 127.08        | -0.2               | 0.1               | 8.2                           | 0.001             | 0.018                         |
| <b>Food away from home</b>                | <b>429.8</b>       | <b>115.14</b> | <b>119.28</b> | <b>120.31</b> | <b>0.7</b>         | <b>0.9</b>        | <b>4.5</b>                    | <b>0.044</b>      | <b>0.230</b>                  |
| <b>Other goods and services</b>           | <b>8,482.5</b>     | <b>89.80</b>  | <b>92.17</b>  | <b>93.45</b>  | <b>0.2</b>         | <b>1.4</b>        | <b>4.1</b>                    | <b>1.080</b>      | <b>3.208</b>                  |
| Other goods                               | 4,735.8            | 87.86         | 90.18         | 90.93         | -0.2               | 0.8               | 3.5                           | 0.356             | 1.508                         |
| Other services                            | 3,746.7            | 92.25         | 94.69         | 96.63         | 0.6                | 2.1               | 4.8                           | 0.724             | 1.700                         |
| <b>CPI</b>                                | <b>10,000.0</b>    | <b>96.67</b>  | <b>100.53</b> | <b>101.66</b> | <b>0.04</b>        | <b>1.1</b>        | <b>5.2</b>                    | <b>1.126</b>      | <b>5.162</b>                  |

Source: Central Bureau of Statistics Aruba

## The subsistence level in December 2019

The subsistence level is the minimum level of income which is perceived necessary to achieve an adequate standard of living in a given country. The subsistence level is usually determined by estimating the cost of all the essential resources that an average adult consumes in one month or year. This is commonly called a basic needs index, and varies according to the price of food, clothing, housing, transport and other items in the "basket". Equivalent scales are used to adjust the assumed standard of living, of households of different sizes and composition. The scale assigns a weight of 1.0 for the first adult and 0.5 for each additional adult in the household (aged 15+) and a weight of 0.3 for each child (aged 0-14 years). The subsistence level is based on figures of the report "Bestaansminimum 2010" published by the CBS in December 2010 and is monthly updated for inflation using the monthly CPI. The reference unit used in this report is a household consisting of two (2) adults and two (2) children (aged 0-14 years).

Table 9 Monthly subsistence level in Aruba (in Afl.) by sector for a family of 2 adults and 2 children (aged 0-14 years)

| Sector                           | Absolute     |              |            |
|----------------------------------|--------------|--------------|------------|
|                                  | Dec-18       | Dec-19       | Change     |
| Food and non-alcoholic beverages | 1,935        | 2,142        | 207        |
| Clothing and footwear            | 263          | 288          | 25         |
| Housing                          | 1,347        | 1,363        | 16         |
| Household operation              | 128          | 132          | 4          |
| Health                           | 78           | 77           | -1         |
| Transport                        | 265          | 277          | 12         |
| Communications                   | 140          | 139          | -1         |
| Recreation and culture           | 169          | 197          | 28         |
| Education                        | 75           | 75           | 0          |
| Miscellaneous goods and services | 313          | 323          | 10         |
| <b>Total</b>                     | <b>4,712</b> | <b>5,013</b> | <b>301</b> |

Source: Central Bureau of Statistics Aruba

In December 2019 the monthly subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) (Afl. 5,013) showed an increase of Afl. 301 compared to December 2018 (Afl. 4,712) and was mainly caused by an increase of Afl. 207 in the sector "Food and non-alcoholic beverages".

Table 10 Monthly Subsistence level in Aruba (in Afl.) by family size and composition, December 2019 (Base period Oct. 2010)

| Period | Equivalence scales |                   |          |                    |                       |
|--------|--------------------|-------------------|----------|--------------------|-----------------------|
|        | 1                  | 1.3               | 1.5      | 1.8                | 2.1                   |
|        | 1 adult            | 1 adult + 1 child | 2 adults | 2 adults + 1 child | 2 adults + 2 children |
| Dec-18 | 2,244              | 2,917             | 3,366    | 4,039              | 4,712                 |
| Jan-19 | 2,255              | 2,931             | 3,382    | 4,058              | 4,735                 |
| Feb-19 | 2,264              | 2,943             | 3,396    | 4,075              | 4,754                 |
| Mar-19 | 2,317              | 3,013             | 3,476    | 4,171              | 4,867                 |
| Apr-19 | 2,338              | 3,039             | 3,507    | 4,208              | 4,909                 |
| May-19 | 2,361              | 3,069             | 3,541    | 4,249              | 4,957                 |
| Jun-19 | 2,384              | 3,099             | 3,575    | 4,290              | 5,005                 |
| Jul-19 | 2,379              | 3,093             | 3,569    | 4,283              | 4,997                 |
| Aug-19 | 2,372              | 3,084             | 3,558    | 4,270              | 4,981                 |
| Sep-19 | 2,377              | 3,090             | 3,566    | 4,279              | 4,992                 |
| Oct-19 | 2,382              | 3,096             | 3,573    | 4,287              | 5,002                 |
| Nov-19 | 2,375              | 3,087             | 3,562    | 4,274              | 4,987                 |
| Dec-19 | 2,387              | 3,103             | 3,581    | 4,297              | 5,013                 |

Source: Central Bureau of Statistics Aruba

In December 2019, the monthly subsistence level for a single adult household is Afl 2,387, which represents an income deficit of Afl. 625, an increase of Afl. 92 compared to the deficit observed one year ago (Afl. 533). This deficit is the highest registered over a period of five (5) years for the month December.

Table 11 Monthly income surplus/deficit (in Afl.) for a single adult household for December, 2015 - 2019

| Period | 1 adult | Minimum |                 |
|--------|---------|---------|-----------------|
|        |         | wage    | Surplus/deficit |
| 2015   | 2,097   | 1,637   | -460            |
| 2016   | 2,077   | 1,678   | -399            |
| 2017   | 2,101   | 1,711   | -390            |
| 2018   | 2,244   | 1,711   | -533            |
| 2019   | 2,387   | 1,762   | -625            |

Source: Central Bureau of Statistics Aruba

**APPENDIX 1**
**Monthly & Yearly Changes (%) in the Consumer Price Index for December 2019, Total Population (Jun 2019 = 100)**

| DESCRIPTION   | WEIGHT<br>coefficient | 2018<br>Dec   | 2019<br>Nov   | 2019<br>Dec   | Monthly<br>Nov - Dec | Ytd<br>Dec - Dec | End of period<br>Dec 18 - Dec 19 | Period average<br>Dec 18 - Dec 19 |
|---|-----------------------|---------------|---------------|---------------|----------------------|------------------|----------------------------------|-----------------------------------|
| <b>Food and non-alcoholic beverages</b>                           | <b>1,087.7</b>        | <b>143.00</b> | <b>158.30</b> | <b>158.32</b> | <b>0.01</b>          | <b>10.7</b>      | <b>10.7</b>                      | <b>12.8</b>                       |
| Food  | 964.1                 | 146.27        | 162.31        | 162.32        | 0.0                  | 11.0             | 11.0                             | 13.2                              |
| Non-alcoholic beverages   | 123.6                 | 117.49        | 126.97        | 127.08        | 0.1                  | 8.2              | 8.2                              | 8.8                               |
| <b>Alcoholic beverages and tobacco</b>                            | <b>78.2</b>           | <b>115.87</b> | <b>133.26</b> | <b>133.04</b> | <b>-0.2</b>          | <b>14.8</b>      | <b>14.8</b>                      | <b>14.6</b>                       |
| Alcoholic beverages for consumption at home                       | 62.2                  | 96.42         | 115.15        | 114.88        | -0.2                 | 19.1             | 19.1                             | 18.6                              |
| Tobacco   | 16.0                  | 191.41        | 203.62        | 203.61        | 0.0                  | 6.4              | 6.4                              | 6.7                               |
| <b>Clothing and footwear</b>                                      | <b>276.8</b>          | <b>76.46</b>  | <b>83.50</b>  | <b>83.63</b>  | <b>0.2</b>           | <b>9.4</b>       | <b>9.4</b>                       | <b>5.4</b>                        |
| Clothing  | 212.8                 | 79.88         | 87.65         | 89.29         | 1.9                  | 11.8             | 11.8                             | 6.8                               |
| Footwear  | 64.0                  | 65.09         | 69.71         | 64.80         | -7.0                 | -0.4             | -0.4                             | 0.2                               |
| <b>Housing</b>  | <b>2,522.2</b>        | <b>101.94</b> | <b>102.60</b> | <b>103.19</b> | <b>0.6</b>           | <b>1.2</b>       | <b>1.2</b>                       | <b>1.2</b>                        |
| Actual rentals for housing  | 666.7                 | 125.41        | 127.13        | 127.28        | 0.1                  | 1.5              | 1.5                              | 1.6                               |
| Imputed rentals for housing                                       | 34.4                  | 104.51        | 105.29        | 105.29        | 0.0                  | 0.7              | 0.7                              | 1.1                               |
| Maintenance and repair of the dwelling                            | 517.0                 | 86.82         | 87.80         | 87.75         | -0.1                 | 1.1              | 1.1                              | 3.5                               |
| Water supply and miscellaneous services relating to the dwelling  | 463.6                 | 95.30         | 95.30         | 98.34         | 3.2                  | 3.2              | 3.2                              | 0.3                               |
| Electricity, gas and other fuels                                  | 840.4                 | 96.16         | 96.16         | 96.16         | 0.0                  | 0.0              | 0.0                              | 0.1                               |
| <b>Household operation</b>  | <b>929.2</b>          | <b>74.94</b>  | <b>75.97</b>  | <b>76.96</b>  | <b>1.3</b>           | <b>2.7</b>       | <b>2.7</b>                       | <b>0.2</b>                        |
| Furniture, furnishings, carpets and other floor coverings         | 128.8                 | 43.47         | 38.89         | 37.81         | -2.8                 | -13.0            | -13.0                            | -4.6                              |
| Household textiles  | 58.6                  | 65.15         | 61.05         | 56.79         | -7.0                 | -12.8            | -12.8                            | -2.4                              |
| Household appliances  | 246.0                 | 49.35         | 54.08         | 59.20         | 9.5                  | 20.0             | 20.0                             | -3.1                              |
| Glassware, tableware and household utensils                       | 17.2                  | 59.81         | 63.53         | 63.13         | -0.6                 | 5.6              | 5.6                              | 8.0                               |
| Tools and equipment for house and garden                          | 58.2                  | 51.02         | 49.96         | 48.86         | -2.2                 | -4.2             | -4.2                             | -0.5                              |
| Goods and services for routine household maintenance and cleaning | 420.5                 | 104.84        | 106.33        | 106.60        | 0.3                  | 1.7              | 1.7                              | 1.9                               |
| <b>Health</b>   | <b>223.1</b>          | <b>85.40</b>  | <b>84.87</b>  | <b>83.93</b>  | <b>-1.1</b>          | <b>-1.7</b>      | <b>-1.7</b>                      | <b>2.6</b>                        |
| Medical products, appliances and equipment                        | 152.3                 | 89.37         | 89.18         | 87.78         | -1.6                 | -1.8             | -1.8                             | 1.9                               |
| Out-patient services  | 52.4                  | 77.72         | 77.72         | 77.72         | 0.0                  | 0.0              | 0.0                              | 6.9                               |
| Other treatments  | 7.8                   | 74.38         | 76.07         | 76.36         | 0.4                  | 2.7              | 2.7                              | 1.0                               |
| Health products and services n.e.c.                               | 10.5                  | 74.38         | 64.67         | 64.78         | 0.2                  | -12.9            | -12.9                            | -3.9                              |
| <b>Transport</b>  | <b>1,257.4</b>        | <b>97.47</b>  | <b>99.15</b>  | <b>101.85</b> | <b>2.7</b>           | <b>4.5</b>       | <b>4.5</b>                       | <b>1.1</b>                        |
| Purchase of vehicles  | 442.6                 | 90.24         | 90.32         | 95.69         | 5.9                  | 6.0              | 6.0                              | 0.9                               |
| Operation of personal transport equipment                         | 763.3                 | 103.17        | 104.68        | 105.21        | 0.5                  | 2.0              | 2.0                              | 0.5                               |
| Transport services  | 51.5                  | 75.09         | 93.05         | 105.11        | 13.0                 | 40.0             | 40.0                             | 15.6                              |
| <b>Communications</b>   | <b>849.6</b>          | <b>77.94</b>  | <b>77.89</b>  | <b>77.90</b>  | <b>0.0</b>           | <b>0.0</b>       | <b>0.0</b>                       | <b>8.7</b>                        |
| Telephone and telefax equipment                                   | 43.8                  | 17.07         | 16.17         | 16.36         | 1.1                  | -4.2             | -4.2                             | -22.0                             |
| Telephone and telefax services                                    | 805.8                 | 81.25         | 81.25         | 81.25         | 0.0                  | 0.0              | 0.0                              | 9.2                               |
| <b>Recreation and culture</b>                                     | <b>1,013.3</b>        | <b>81.77</b>  | <b>90.13</b>  | <b>95.35</b>  | <b>5.8</b>           | <b>16.6</b>      | <b>16.6</b>                      | <b>3.9</b>                        |
| Audio-visual, photographic and information processing equipment   | 58.5                  | 58.47         | 57.75         | 72.13         | 24.9                 | 23.4             | 23.4                             | -11.8                             |
| Other major durables for recreation and culture                   | 20.0                  | 33.19         | 42.48         | 38.43         | -9.5                 | 15.8             | 15.8                             | -4.2                              |
| Other recreational items and equipment; gardens and pets          | 266.6                 | 114.53        | 120.12        | 120.07        | 0.0                  | 4.8              | 4.8                              | 3.9                               |
| Recreational and cultural services                                | 309.1                 | 89.04         | 88.52         | 88.54         | 0.0                  | -0.6             | -0.6                             | 1.1                               |
| Newspapers, books and stationery                                  | 43.7                  | 75.38         | 76.23         | 75.57         | -0.9                 | 0.3              | 0.3                              | 9.0                               |
| Holidays  | 315.4                 | 55.25         | 77.32         | 91.78         | 18.7                 | 66.1             | 66.1                             | 11.9                              |
| <b>Education</b>  | <b>98.0</b>           | <b>109.30</b> | <b>109.30</b> | <b>109.30</b> | <b>0.0</b>           | <b>0.0</b>       | <b>0.0</b>                       | <b>0.2</b>                        |
| Pre primary and primary education                                 | 24.0                  | 86.66         | 86.66         | 86.66         | 0.0                  | 0.0              | 0.0                              | 0.0                               |
| Secondary education   | 43.4                  | 94.62         | 94.62         | 94.62         | 0.0                  | 0.0              | 0.0                              | 0.6                               |
| Post-secondary non-tertiary education                             | 4.6                   | 102.85        | 102.85        | 102.85        | 0.0                  | 0.0              | 0.0                              | 0.0                               |
| Tertiary education  | 23.6                  | 160.49        | 160.49        | 160.49        | 0.0                  | 0.0              | 0.0                              | 0.0                               |
| Education not definable by level                                  | 2.5                   | 109.74        | 109.74        | 109.74        | 0.0                  | 0.0              | 0.0                              | 0.4                               |
| <b>Restaurants and hotels</b>                                     | <b>442.0</b>          | <b>114.15</b> | <b>117.89</b> | <b>119.96</b> | <b>1.8</b>           | <b>5.1</b>       | <b>5.1</b>                       | <b>4.0</b>                        |
| Catering services   | 429.8                 | 115.14        | 119.28        | 120.31        | 0.9                  | 4.5              | 4.5                              | 4.0                               |
| Accommodation services  | 12.2                  | 79.27         | 69.05         | 107.74        | 56.0                 | 35.9             | 35.9                             | 2.8                               |
| <b>Miscellaneous goods and services</b>                           | <b>1,222.6</b>        | <b>83.74</b>  | <b>86.94</b>  | <b>86.51</b>  | <b>-0.5</b>          | <b>3.3</b>       | <b>3.3</b>                       | <b>3.1</b>                        |
| Personal care   | 427.1                 | 98.30         | 101.00        | 101.09        | 0.1                  | 2.8              | 2.8                              | 3.3                               |
| Personal effects n.e.c.   | 106.6                 | 86.74         | 112.63        | 107.40        | -4.6                 | 23.8             | 23.8                             | 18.9                              |
| Social protection   | 78.2                  | 115.39        | 115.39        | 115.39        | 0.0                  | 0.0              | 0.0                              | 0.0                               |
| Insurance   | 610.7                 | 68.97         | 68.97         | 68.97         | 0.0                  | 0.0              | 0.0                              | 0.0                               |
| <b>CPI</b>  | <b>10,000.0</b>       | <b>96.67</b>  | <b>100.53</b> | <b>101.66</b> | <b>1.1</b>           | <b>5.2</b>       | <b>5.2</b>                       | <b>4.3</b>                        |

Source: Central Bureau of Statistics Aruba

**APPENDIX 2**
**Effect on the Consumer Price Index per sector and category for December 2019 (Jun 2019 = 100)**

| DESCRIPTION   | WEIGHT<br>coefficient | Monthly<br>Nov - Dec | Ytd<br>Dec - Dec | End of period<br>Dec 18 - Dec 19 | Period average<br>Dec 18 - Dec 19 |
|---|-----------------------|----------------------|------------------|----------------------------------|-----------------------------------|
| <b>Food and non-alcoholic beverages</b>                           | <b>1,087.7</b>        | <b>0.00</b>          | <b>1.72</b>      | <b>1.72</b>                      | <b>2.04</b>                       |
| Food  | 964.1                 | 0.00                 | 1.60             | 1.60                             | 1.91                              |
| Non-alcoholic beverages   | 123.6                 | 0.00                 | 0.12             | 0.12                             | 0.13                              |
| <b>Alcoholic beverages and tobacco</b>                            | <b>78.2</b>           | <b>0.00</b>          | <b>0.14</b>      | <b>0.14</b>                      | <b>0.14</b>                       |
| Alcoholic beverages for consumption at home                       | 62.2                  | -0.002               | 0.12             | 0.12                             | 0.11                              |
| Tobacco   | 16.0                  | 0.000                | 0.02             | 0.02                             | 0.02                              |
| <b>Clothing and footwear</b>                                      | <b>276.8</b>          | <b>0.00</b>          | <b>0.21</b>      | <b>0.21</b>                      | <b>0.12</b>                       |
| Clothing  | 212.8                 | 0.03                 | 0.21             | 0.21                             | 0.12                              |
| Footwear  | 64.0                  | -0.03                | 0.00             | 0.00                             | 0.00                              |
| <b>Housing</b>  | <b>2,522.2</b>        | <b>0.15</b>          | <b>0.33</b>      | <b>0.33</b>                      | <b>0.33</b>                       |
| Actual rentals for housing  | 666.7                 | 0.01                 | 0.13             | 0.13                             | 0.14                              |
| Imputed rentals for housing                                       | 34.4                  | 0.00                 | 0.00             | 0.00                             | 0.00                              |
| Maintenance and repair of the dwelling                            | 517.0                 | 0.00                 | 0.05             | 0.05                             | 0.16                              |
| Water supply and miscellaneous services relating to the dwelling  | 463.6                 | 0.14                 | 0.15             | 0.15                             | 0.01                              |
| Electricity, gas and other fuels                                  | 840.4                 | 0.00                 | 0.00             | 0.00                             | 0.01                              |
| <b>Household operation</b>  | <b>929.2</b>          | <b>0.09</b>          | <b>0.19</b>      | <b>0.19</b>                      | <b>0.01</b>                       |
| Furniture, furnishings, carpets and other floor coverings         | 128.8                 | -0.01                | -0.08            | -0.08                            | -0.03                             |
| Household textiles  | 58.6                  | -0.02                | -0.05            | -0.05                            | -0.01                             |
| Household appliances  | 246.0                 | 0.13                 | 0.25             | 0.25                             | -0.04                             |
| Glassware, tableware and household utensils                       | 17.2                  | 0.00                 | 0.01             | 0.01                             | 0.01                              |
| Tools and equipment for house and garden                          | 58.2                  | -0.01                | -0.01            | -0.01                            | 0.00                              |
| Goods and services for routine household maintenance and cleaning | 420.5                 | 0.01                 | 0.08             | 0.08                             | 0.09                              |
| <b>Health</b>   | <b>223.1</b>          | <b>-0.02</b>         | <b>-0.03</b>     | <b>-0.03</b>                     | <b>0.05</b>                       |
| Medical products, appliances and equipment                        | 152.3                 | -0.02                | -0.03            | -0.03                            | 0.03                              |
| Out-patient services  | 52.4                  | 0.00                 | 0.00             | 0.00                             | 0.03                              |
| Other treatments  | 7.8                   | 0.00                 | 0.00             | 0.00                             | 0.00                              |
| Health products and services n.e.c.                               | 10.5                  | 0.00                 | -0.01            | -0.01                            | 0.00                              |
| <b>Transport</b>  | <b>1,257.4</b>        | <b>0.34</b>          | <b>0.57</b>      | <b>0.57</b>                      | <b>0.14</b>                       |
| Purchase of vehicles  | 442.6                 | 0.24                 | 0.25             | 0.25                             | 0.04                              |
| Operation of personal transport equipment                         | 763.3                 | 0.04                 | 0.16             | 0.16                             | 0.04                              |
| Transport services  | 51.5                  | 0.06                 | 0.16             | 0.16                             | 0.06                              |
| <b>Communications</b>   | <b>849.6</b>          | <b>0.00</b>          | <b>0.00</b>      | <b>0.00</b>                      | <b>0.56</b>                       |
| Telephone and telefax equipment                                   | 43.8                  | 0.00                 | 0.00             | 0.00                             | -0.02                             |
| Telephone and telefax services                                    | 805.8                 | 0.00                 | 0.00             | 0.00                             | 0.58                              |
| <b>Recreation and culture</b>                                     | <b>1,013.3</b>        | <b>0.53</b>          | <b>1.42</b>      | <b>1.42</b>                      | <b>0.33</b>                       |
| Audio-visual, photographic and information processing equipment   | 58.5                  | 0.08                 | 0.08             | 0.08                             | -0.05                             |
| Other major durables for recreation and culture                   | 20.0                  | -0.01                | 0.01             | 0.01                             | 0.00                              |
| Other recreational items and equipment; gardens and pets          | 266.6                 | 0.00                 | 0.15             | 0.15                             | 0.12                              |
| Recreational and cultural services                                | 309.1                 | 0.00                 | -0.02            | -0.02                            | 0.03                              |
| Newspapers, books and stationery                                  | 43.7                  | 0.00                 | 0.00             | 0.00                             | 0.03                              |
| Holidays  | 315.4                 | 0.45                 | 1.19             | 1.19                             | 0.20                              |
| <b>Education</b>  | <b>98.0</b>           | <b>0.00</b>          | <b>0.00</b>      | <b>0.00</b>                      | <b>0.00</b>                       |
| Pre primary and primary education                                 | 24.0                  | 0.00                 | 0.00             | 0.00                             | 0.00                              |
| Secondary education   | 43.4                  | 0.00                 | 0.00             | 0.00                             | 0.00                              |
| Post-secondary non-tertiary education                             | 4.6                   | 0.00                 | 0.00             | 0.00                             | 0.00                              |
| Tertiary education  | 23.6                  | 0.00                 | 0.00             | 0.00                             | 0.00                              |
| Education not definable by level                                  | 2.5                   | 0.00                 | 0.00             | 0.00                             | 0.00                              |
| <b>Restaurants and hotels</b>                                     | <b>442.0</b>          | <b>0.09</b>          | <b>0.27</b>      | <b>0.27</b>                      | <b>0.21</b>                       |
| Catering services   | 429.8                 | 0.04                 | 0.23             | 0.23                             | 0.20                              |
| Accommodation services  | 12.2                  | 0.05                 | 0.04             | 0.04                             | 0.00                              |
| <b>Miscellaneous goods and services</b>                           | <b>1,222.6</b>        | <b>-0.05</b>         | <b>0.35</b>      | <b>0.35</b>                      | <b>0.33</b>                       |
| Personal care   | 427.1                 | 0.00                 | 0.12             | 0.12                             | 0.15                              |
| Personal effects n.e.c.   | 106.6                 | -0.06                | 0.23             | 0.23                             | 0.18                              |
| Social protection   | 78.2                  | 0.00                 | 0.00             | 0.00                             | 0.00                              |
| Insurance   | 610.7                 | 0.00                 | 0.00             | 0.00                             | 0.00                              |
| <b>CPI</b>  | <b>10,000.0</b>       | <b>1.13</b>          | <b>5.16</b>      | <b>5.16</b>                      | <b>4.26</b>                       |

Source: Central Bureau of Statistics Aruba

**APPENDIX 3**
**Monthly & Yearly Changes (%) and effect in the Food & catering services for December 2019, Total Population (Jun 2019 = 100)**

| DESCRIPTION                                      | WEIGHT<br>coefficient | % Change             |                                  | Effect               |                                  |
|--|-----------------------|----------------------|----------------------------------|----------------------|----------------------------------|
|  |                       | Monthly<br>Nov - Dec | End of period<br>Dec 18 - Dec 19 | Monthly<br>Nov - Dec | End of period<br>Dec 18 - Dec 19 |
| <b>Food &amp; catering services</b>              | <b>1,517.5</b>        | <b>0.2</b>           | <b>9.2</b>                       | <b>0.046</b>         | <b>1.954</b>                     |
| <b>Food at home</b>                              | <b>1,087.7</b>        | <b>0.01</b>          | <b>10.7</b>                      | <b>0.002</b>         | <b>1.724</b>                     |
| <b>Bread and cereals</b>                         | <b>178.1</b>          | <b>-0.2</b>          | <b>2.9</b>                       | <b>-0.004</b>        | <b>0.063</b>                     |
| Rice   | 23.5                  | 0.6                  | 3.5                              | 0.002                | 0.011                            |
| Bread  | 72.1                  | -0.7                 | 2.8                              | -0.006               | 0.026                            |
| Pasta products                                   | 9.2                   | 0.3                  | 7.3                              | 0.000                | 0.007                            |
| Other cereals and cereal products                | 73.3                  | 0.1                  | 2.4                              | 0.000                | 0.019                            |
| <b>Meat</b>                                      | <b>242.5</b>          | <b>0.3</b>           | <b>4.6</b>                       | <b>0.010</b>         | <b>0.138</b>                     |
| Bovine   | 67.3                  | -1.1                 | 1.9                              | -0.009               | 0.016                            |
| Swine  | 25.5                  | 3.2                  | 8.2                              | 0.010                | 0.025                            |
| Poultry  | 75.7                  | 0.4                  | -0.7                             | 0.004                | -0.007                           |
| Other meat and meat preparations                 | 74.0                  | 0.5                  | 12.1                             | 0.005                | 0.105                            |
| <b>Fish and other seafood</b>                    | <b>49.0</b>           | <b>-0.2</b>          | <b>7.0</b>                       | <b>-0.001</b>        | <b>0.038</b>                     |
| Fish and seafood preparations                    | 49.0                  | -0.2                 | 7.0                              | -0.001               | 0.038                            |
| <b>Milk, cheese and eggs</b>                     | <b>135.3</b>          | <b>0.4</b>           | <b>7.8</b>                       | <b>0.006</b>         | <b>0.130</b>                     |
| Cheese   | 55.4                  | 0.0                  | 7.5                              | 0.000                | 0.058                            |
| Eggs   | 16.6                  | 4.9                  | 26.7                             | 0.008                | 0.038                            |
| Milk   | 40.0                  | -0.3                 | 3.6                              | -0.002               | 0.020                            |
| Other milk products                              | 23.3                  | 0.0                  | 7.3                              | 0.000                | 0.014                            |
| <b>Oils and fats</b>                             | <b>32.2</b>           | <b>-0.8</b>          | <b>9.1</b>                       | <b>-0.004</b>        | <b>0.042</b>                     |
| Corn oil   | 2.8                   | -0.9                 | 4.9                              | 0.000                | 0.002                            |
| Butter and margarine                             | 9.2                   | -1.2                 | 9.6                              | -0.002               | 0.014                            |
| Other oils and fats                              | 20.1                  | -0.5                 | 9.6                              | -0.001               | 0.026                            |
| <b>Fruit</b>                                     | <b>97.6</b>           | <b>0.0</b>           | <b>30.5</b>                      | <b>0.000</b>         | <b>1.071</b>                     |
| Oranges  | 9.4                   | 4.7                  | -4.6                             | 0.006                | -0.006                           |
| Bananas and plantains                            | 19.9                  | 1.5                  | -1.9                             | 0.006                | -0.008                           |
| Apples   | 9.3                   | -1.4                 | -1.4                             | -0.002               | -0.002                           |
| Avocado  | 5.0                   | -4.4                 | 31.3                             | -0.034               | 0.184                            |
| Grapes   | 9.2                   | 0.5                  | 12.9                             | 0.001                | 0.021                            |
| Nuts   | 11.9                  | -0.9                 | 11.3                             | -0.001               | 0.011                            |
| Lemons and mandarins                             | 6.0                   | -3.2                 | -3.1                             | -0.002               | -0.002                           |
| Cherries and strawberries                        | 8.8                   | 3.7                  | 54.2                             | 0.039                | 0.396                            |
| Melons and watermelons                           | 7.7                   | -5.4                 | 52.2                             | -0.043               | 0.265                            |
| Papayas and pineapples                           | 6.9                   | 5.3                  | 29.8                             | 0.030                | 0.143                            |
| Other fruits and fruit products                  | 3.5                   | 0.3                  | 59.7                             | 0.001                | 0.070                            |
| <b>Potatoes and other tubers</b>                 | <b>18.2</b>           | <b>-4.8</b>          | <b>8.9</b>                       | <b>-0.012</b>        | <b>0.021</b>                     |
| Potatoes   | 12.2                  | -5.4                 | 6.5                              | -0.011               | 0.012                            |
| Other tubers                                     | 2.0                   | -0.9                 | 15.1                             | 0.000                | 0.003                            |
| Sweet potatoes and yucca                         | 4.0                   | -3.4                 | 21.2                             | -0.001               | 0.006                            |
| <b>Vegetables</b>                                | <b>89.1</b>           | <b>0.0</b>           | <b>-0.8</b>                      | <b>0.000</b>         | <b>-0.014</b>                    |
| Lettuce  | 6.8                   | -4.3                 | 6.9                              | -0.004               | 0.005                            |
| Tomatoes   | 9.7                   | -9.1                 | 1.7                              | -0.013               | 0.002                            |
| Onions and garlic                                | 18.7                  | 2.4                  | -2.6                             | 0.013                | -0.016                           |
| Celery and broccoli                              | 15.3                  | 0.8                  | -9.8                             | 0.003                | -0.037                           |
| Other vegetables                                 | 15.3                  | 1.2                  | 12.2                             | 0.002                | 0.024                            |
| Other preserved or processed vegetables          | 8.4                   |                      | -1.6                             | -0.002               | -0.002                           |
| Frozen vegetable mixtures                        | 14.8                  | 0.1                  | 4.9                              | 0.000                | 0.009                            |
| <b>Sugar, jam, honey and other confectionery</b> | <b>42.0</b>           | <b>0.1</b>           | <b>7.9</b>                       | <b>0.001</b>         | <b>0.032</b>                     |
| Sugar  | 12.1                  | 0.7                  | 11.0                             | 0.001                | 0.012                            |
| Jams and jellies                                 | 2.5                   | 0.1                  | 9.2                              | 0.000                | 0.003                            |
| Other confectionery products                     | 27.5                  | -0.1                 | 6.5                              | 0.000                | 0.018                            |
| <b>Food products n.e.c.</b>                      | <b>80.1</b>           | <b>0.5</b>           | <b>9.0</b>                       | <b>0.005</b>         | <b>0.080</b>                     |
| Other food products                              | 80.1                  | 0.5                  | 9.0                              | 0.005                | 0.080                            |
| <b>Non-alcoholic beverages</b>                   | <b>123.6</b>          | <b>0.1</b>           | <b>8.2</b>                       | <b>0.001</b>         | <b>0.123</b>                     |
| Coffee and tea                                   | 20.9                  | -0.3                 | 3.4                              | -0.001               | 0.007                            |
| Other non-alcoholic beverages                    | 14.6                  | 0.7                  | 6.9                              | 0.001                | 0.013                            |
| Soft and sports drinks                           | 31.0                  | 0.0                  | 6.8                              | 0.000                | 0.026                            |
| Fruit juices                                     | 57.1                  | 0.1                  | 10.4                             | 0.001                | 0.077                            |
| <b>Food away from home</b>                       | <b>429.8</b>          | <b>0.9</b>           | <b>4.5</b>                       | <b>0.044</b>         | <b>0.230</b>                     |
| Food and beverage consumption away from home     | 429.8                 | 0.9                  | 4.5                              | 0.044                | 0.230                            |
| <b>Other goods and services</b>                  | <b>8,482.5</b>        | <b>1.4</b>           | <b>4.1</b>                       | <b>1.080</b>         | <b>3.208</b>                     |
| Other goods                                      | 4,735.8               | 0.8                  | 3.5                              | 0.356                | 1.508                            |
| Other services                                   | 3,746.7               | 2.1                  | 4.8                              | 0.724                | 1.700                            |
| <b>CPI</b>                                       | <b>10,000</b>         | <b>1.13</b>          | <b>5.2</b>                       | <b>1.126</b>         | <b>5.162</b>                     |

Source: Central Bureau of Statistics Aruba



APPENDIX 4

**CONSUMER PRICE INDEX**

|                         |               |               |               |               | <u>YEAR: 2019</u> |                |                |                | <u>YEAR: 2018</u> |                |                |                |
|-------------------------|---------------|---------------|---------------|---------------|-------------------|----------------|----------------|----------------|-------------------|----------------|----------------|----------------|
|                         | <u>Base</u>   | <u>Base</u>   | <u>Base</u>   | <u>Base</u>   | <u>CHANGE</u>     |                |                |                | <u>CHANGE</u>     |                |                |                |
|                         | <u>Jun-19</u> | <u>Jun-19</u> | <u>Jun-19</u> | <u>Jun-19</u> | <u>Monthly</u>    | <u>Year-to</u> | <u>Yearly</u>  | <u>Period</u>  | <u>Monthly</u>    | <u>Year-to</u> | <u>Yearly</u>  | <u>Period</u>  |
|                         | <u>=100.0</u> | <u>=100.0</u> | <u>=100.0</u> | <u>=100.0</u> | <u>date</u>       | <u>date</u>    | <u>average</u> | <u>average</u> | <u>date</u>       | <u>date</u>    | <u>average</u> | <u>average</u> |
|                         | <u>Jan'18</u> | <u>Dec'17</u> | <u>Jan'19</u> | <u>Dec'18</u> |                   |                |                |                |                   |                |                |                |
| <u>Total Population</u> | 92.88         | 92.55         | 96.25         | 96.67         | -0.4              | -0.4           | 3.6            | 3.8            | 0.4               | 0.4            | 1.1            | -0.9           |
| Low Income              | 92.15         | 91.72         | 96.24         | 96.29         | -0.1              | -0.1           | 4.4            |                | 0.5               | 0.5            | 1.3            |                |
| High Income             | 93.24         | 92.95         | 96.29         | 96.86         | -0.6              | -0.6           | 3.3            |                | 0.3               | 0.3            | 1.0            |                |
|                         | <u>Feb'18</u> | <u>Jan'18</u> | <u>Feb'19</u> | <u>Jan'19</u> |                   |                |                |                |                   |                |                |                |
| <u>Total Population</u> | 93.88         | 92.88         | 96.66         | 96.25         | 0.4               | 0.0            | 3.0            | 3.9            | 1.1               | 1.4            | 2.1            | -0.6           |
| Low Income              | 93.43         | 92.15         | 96.66         | 96.24         | 0.4               | 0.4            | 3.5            |                | 1.4               | 1.9            | 2.7            |                |
| High Income             | 94.12         | 93.24         | 96.68         | 96.29         | 0.4               | -0.2           | 2.7            |                | 0.9               | 1.3            | 1.9            |                |
|                         | <u>Mar'18</u> | <u>Feb'18</u> | <u>Mar'19</u> | <u>Feb'19</u> |                   |                |                |                |                   |                |                |                |
| <u>Total Population</u> | 94.71         | 93.88         | 98.00         | 96.66         | 1.4               | 1.4            | 3.5            | 3.9            | 0.9               | 2.3            | 3.2            | -0.3           |
| Low Income              | 94.08         | 93.43         | 98.07         | 96.66         | 1.5               | 1.8            | 4.2            |                | 0.7               | 2.6            | 3.5            |                |
| High Income             | 95.00         | 94.12         | 97.99         | 96.68         | 1.3               | 1.2            | 3.1            |                | 0.9               | 2.2            | 3.0            |                |
|                         | <u>Apr'18</u> | <u>Mar'18</u> | <u>Apr'19</u> | <u>Mar'19</u> |                   |                |                |                |                   |                |                |                |
| <u>Total Population</u> | 94.54         | 94.71         | 98.83         | 98.00         | 0.8               | 2.2            | 4.5            | 4.1            | -0.2              | 2.1            | 2.8            | 0.0            |
| Low Income              | 94.15         | 94.08         | 98.74         | 98.07         | 0.7               | 2.5            | 4.9            |                | 0.1               | 2.7            | 3.5            |                |
| High Income             | 94.73         | 95.00         | 98.86         | 97.99         | 0.9               | 2.1            | 4.4            |                | -0.3              | 1.9            | 2.5            |                |
|                         | <u>May'18</u> | <u>Apr'18</u> | <u>May'19</u> | <u>Apr'19</u> |                   |                |                |                |                   |                |                |                |
| <u>Total Population</u> | 94.90         | 94.54         | 99.19         | 98.83         | 0.4               | 2.6            | 4.5            | 4.2            | 0.4               | 2.5            | 3.0            | 0.3            |
| Low Income              | 94.56         | 94.15         | 99.37         | 98.74         | 0.6               | 3.2            | 5.1            |                | 0.4               | 3.1            | 3.8            |                |
| High Income             | 95.07         | 94.73         | 99.12         | 98.86         | 0.3               | 2.3            | 4.3            |                | 0.4               | 2.3            | 2.7            |                |
|                         | <u>Jun'18</u> | <u>May'18</u> | <u>Jun'19</u> | <u>May'19</u> |                   |                |                |                |                   |                |                |                |
| <u>Total Population</u> | 95.39         | 94.90         | 100.00        | 99.19         | 0.8               | 3.4            | 4.8            | 4.3            | 0.5               | 3.1            | 3.8            | 0.7            |
| Low Income              | 94.82         | 94.56         | 100.00        | 99.37         | 0.6               | 3.9            | 5.5            |                | 0.3               | 3.4            | 4.2            |                |
| High Income             | 95.65         | 95.07         | 100.00        | 99.12         | 0.9               | 3.2            | 4.5            |                | 0.6               | 2.9            | 3.5            |                |
|                         | <u>Jul'18</u> | <u>Jun'18</u> | <u>Jul'19</u> | <u>Jun'19</u> |                   |                |                |                |                   |                |                |                |
| <u>Total Population</u> | 96.49         | 95.39         | 100.06        | 100.00        | 0.1               | 3.5            | 3.7            | 4.2            | 1.2               | 4.3            | 5.3            | 1.3            |
| Low Income              | 95.82         | 94.82         | 99.91         | 100.00        | -0.1              | 3.8            | 4.3            |                | 1.0               | 4.5            | 5.5            |                |
| High Income             | 96.80         | 95.65         | 100.13        | 100.00        | 0.1               | 3.4            | 3.4            |                | 1.2               | 4.2            | 5.2            |                |
|                         | <u>Aug'18</u> | <u>Jul'18</u> | <u>Aug'19</u> | <u>Jul'19</u> |                   |                |                |                |                   |                |                |                |
| <u>Total Population</u> | 95.96         | 96.49         | 99.80         | 100.06        | -0.3              | 3.2            | 4.0            | 4.1            | -0.6              | 3.7            | 4.7            | 1.8            |
| Low Income              | 95.45         | 95.82         | 99.75         | 99.91         | -0.2              | 3.6            | 4.5            |                | -0.4              | 4.1            | 5.0            |                |
| High Income             | 96.22         | 96.80         | 99.84         | 100.13        | -0.3              | 3.1            | 3.8            |                | -0.6              | 3.5            | 4.5            |                |
|                         | <u>Sep'18</u> | <u>Aug'18</u> | <u>Sep'19</u> | <u>Aug'19</u> |                   |                |                |                |                   |                |                |                |
| <u>Total Population</u> | 95.77         | 95.96         | 100.00        | 99.80         | 0.2               | 3.4            | 4.4            | 4.1            | -0.2              | 3.5            | 4.7            | 2.3            |
| Low Income              | 95.34         | 95.45         | 99.84         | 99.75         | 0.1               | 3.7            | 4.7            |                | -0.1              | 3.9            | 4.9            |                |
| High Income             | 96.02         | 96.22         | 100.08        | 99.83         | 0.3               | 3.3            | 4.2            |                | -0.2              | 3.3            | 4.6            |                |
|                         | <u>Oct'18</u> | <u>Sep'18</u> | <u>Oct'19</u> | <u>Sep'19</u> |                   |                |                |                |                   |                |                |                |
| <u>Total Population</u> | 95.66         | 95.77         | 100.49        | 100.00        | 0.5               | 3.9            | 5.0            | 4.2            | -0.1              | 3.4            | 3.9            | 2.7            |
| Low Income              | 95.32         | 95.34         | 100.54        | 99.84         | 0.7               | 4.4            | 5.5            |                | 0.0               | 3.9            | 4.3            |                |
| High Income             | 95.87         | 96.02         | 100.65        | 100.08        | 0.6               | 3.9            | 5.0            |                | -0.2              | 3.1            | 3.8            |                |
|                         | <u>Nov'18</u> | <u>Oct'18</u> | <u>Nov'19</u> | <u>Oct'19</u> |                   |                |                |                |                   |                |                |                |
| <u>Total Population</u> | 95.97         | 95.66         | 100.53        | 100.49        | 0.04              | 4.0            | 4.8            | 4.2            | 0.3               | 3.7            | 4.4            | 3.2            |
| Low Income              | 95.62         | 95.32         | 100.46        | 100.54        | -0.1              | 4.3            | 5.1            |                | 0.3               | 4.2            | 4.7            |                |
| High Income             | 96.17         | 95.87         | 100.77        | 100.65        | 0.1               | 4.0            | 4.8            |                | 0.3               | 3.5            | 4.3            |                |
|                         | <u>Dec'18</u> | <u>Nov'18</u> | <u>Dec'19</u> | <u>Nov'19</u> |                   |                |                |                |                   |                |                |                |
| <u>Total Population</u> | 96.67         | 95.97         | 101.66        | 100.53        | 1.1               | 5.2            | 5.2            | 4.3            | 0.7               | 4.5            | 4.5            | 3.6            |
| Low Income              | 96.29         | 95.62         | 101.36        | 100.46        | 0.9               | 5.3            | 5.3            |                | 0.7               | 5.0            | 5.0            |                |
| High Income             | 96.86         | 96.17         | 102.11        | 100.77        | 1.3               | 5.4            | 5.4            |                | 0.7               | 4.2            | 4.2            |                |

## APPENDIX 5

### Prices of crude oil, utilities and gasoline, 2001 - 2019

| Month               | Crude<br>Crude<br>oil <sup>1</sup> | Electricity components           |                |              |                              |                          | Water <sup>5</sup> | Gasoline <sup>6</sup> | Diesel <sup>6</sup> |
|---------------------|------------------------------------|----------------------------------|----------------|--------------|------------------------------|--------------------------|--------------------|-----------------------|---------------------|
|                     |                                    | Total energy charge <sup>2</sup> |                |              | Fixed<br>charge <sup>3</sup> | Electricity <sup>4</sup> |                    |                       |                     |
|                     |                                    | ≤ 500 kWh                        | 501 - 1000 kWh | > 1001 kWh   |                              |                          |                    |                       |                     |
| <b>Average 2001</b> | <b>26.01</b>                       | <b>24.59</b>                     | <b>22.09</b>   | <b>22.09</b> | <b>0.00</b>                  | <b>172.79</b>            | <b>89.40</b>       | <b>128.34</b>         | <b>90.10</b>        |
| <b>Average 2002</b> | <b>26.06</b>                       | <b>24.89</b>                     | <b>22.39</b>   | <b>22.39</b> | <b>0.00</b>                  | <b>174.91</b>            | <b>90.82</b>       | <b>127.20</b>         | <b>88.68</b>        |
| <b>Average 2003</b> | <b>34.49</b>                       | <b>27.02</b>                     | <b>24.52</b>   | <b>24.52</b> | <b>0.00</b>                  | <b>190.38</b>            | <b>99.21</b>       | <b>139.21</b>         | <b>100.18</b>       |
| <b>Average 2004</b> | <b>41.31</b>                       | <b>27.18</b>                     | <b>24.68</b>   | <b>24.68</b> | <b>0.00</b>                  | <b>191.57</b>            | <b>100.02</b>      | <b>152.51</b>         | <b>113.05</b>       |
| <b>Average 2005</b> | <b>56.36</b>                       | <b>31.10</b>                     | <b>28.60</b>   | <b>28.60</b> | <b>0.00</b>                  | <b>219.97</b>            | <b>113.69</b>      | <b>167.74</b>         | <b>136.04</b>       |
| <b>Average 2006</b> | <b>66.12</b>                       | <b>35.91</b>                     | <b>33.41</b>   | <b>33.41</b> | <b>0.00</b>                  | <b>254.88</b>            | <b>128.70</b>      | <b>176.22</b>         | <b>149.77</b>       |
| <b>Average 2007</b> | <b>72.08</b>                       | <b>36.59</b>                     | <b>34.09</b>   | <b>34.09</b> | <b>0.00</b>                  | <b>259.84</b>            | <b>133.59</b>      | <b>200.43</b>         | <b>168.38</b>       |
| <b>Average 2008</b> | <b>99.87</b>                       | <b>45.67</b>                     | <b>43.17</b>   | <b>43.17</b> | <b>0.00</b>                  | <b>325.67</b>            | <b>161.80</b>      | <b>228.19</b>         | <b>214.48</b>       |
| <b>Average 2009</b> | <b>61.46</b>                       | <b>37.33</b>                     | <b>34.83</b>   | <b>34.83</b> | <b>0.00</b>                  | <b>265.17</b>            | <b>139.60</b>      | <b>175.15</b>         | <b>142.53</b>       |
| <b>Average 2010</b> | <b>79.22</b>                       | <b>43.92</b>                     | <b>41.42</b>   | <b>41.42</b> | <b>0.00</b>                  | <b>312.98</b>            | <b>159.21</b>      | <b>193.43</b>         | <b>163.22</b>       |
| <b>Average 2011</b> | <b>94.74</b>                       | <b>47.58</b>                     | <b>47.57</b>   | <b>47.57</b> | <b>0.00</b>                  | <b>345.14</b>            | <b>177.47</b>      | <b>229.48</b>         | <b>203.46</b>       |
| <b>Average 2012</b> | <b>94.25</b>                       | <b>47.68</b>                     | <b>51.21</b>   | <b>53.46</b> | <b>0.00</b>                  | <b>353.85</b>            | <b>171.13</b>      | <b>235.53</b>         | <b>210.07</b>       |
| <b>Average 2013</b> | <b>98.00</b>                       | <b>41.10</b>                     | <b>44.90</b>   | <b>58.40</b> | <b>0.00</b>                  | <b>306.75</b>            | <b>137.05</b>      | <b>229.48</b>         | <b>205.83</b>       |
| <b>Average 2014</b> | <b>93.49</b>                       | <b>42.58</b>                     | <b>45.32</b>   | <b>57.77</b> | <b>0.63</b>                  | <b>315.71</b>            | <b>137.05</b>      | <b>224.24</b>         | <b>200.21</b>       |
| <b>Average 2015</b> | <b>48.71</b>                       | <b>47.02</b>                     | <b>46.56</b>   | <b>55.87</b> | <b>2.50</b>                  | <b>342.59</b>            | <b>137.05</b>      | <b>179.74</b>         | <b>147.80</b>       |
| <b>Average 2016</b> | <b>43.17</b>                       | <b>40.40</b>                     | <b>41.80</b>   | <b>47.64</b> | <b>12.50</b>                 | <b>308.76</b>            | <b>137.05</b>      | <b>165.87</b>         | <b>131.12</b>       |
| <b>Average 2017</b> | <b>50.85</b>                       | <b>34.52</b>                     | <b>35.72</b>   | <b>45.93</b> | <b>12.50</b>                 | <b>265.65</b>            | <b>137.05</b>      | <b>180.79</b>         | <b>147.69</b>       |
| <b>Average 2018</b> | <b>65.08</b>                       | <b>34.52</b>                     | <b>35.72</b>   | <b>45.93</b> | <b>12.50</b>                 | <b>265.65</b>            | <b>137.05</b>      | <b>204.95</b>         | <b>177.59</b>       |
| January-19          | 50.65                              | 34.52                            | 35.72          | 45.93        | 12.50                        | 265.65                   | 137.05             | 188.50                | 165.10              |
| February-19         | 54.45                              | 34.52                            | 35.72          | 45.93        | 12.50                        | 265.65                   | 137.05             | 189.40                | 170.20              |
| March-19            | 57.84                              | 34.52                            | 35.72          | 45.93        | 12.50                        | 265.65                   | 137.05             | 197.70                | 177.30              |
| April-19            | 63.89                              | 34.52                            | 35.72          | 45.93        | 12.50                        | 265.65                   | 137.05             | 197.70                | 181.10              |
| May-19              | 60.89                              | 34.52                            | 35.72          | 45.93        | 12.50                        | 265.65                   | 137.05             | 209.50                | 185.00              |
| June-19             | 54.66                              | 34.52                            | 35.72          | 45.93        | 12.50                        | 265.65                   | 137.05             | 209.50                | 183.70              |
| July-19             | 57.28                              | 34.52                            | 35.72          | 45.93        | 12.50                        | 265.65                   | 137.05             | 208.00                | 174.20              |
| August-19           | 55.17                              | 34.52                            | 35.72          | 45.93        | 12.50                        | 265.65                   | 137.05             | 215.10                | 177.20              |
| September-19        | 57.03                              | 34.52                            | 35.72          | 45.93        | 12.50                        | 265.65                   | 137.05             | 204.50                | 172.80              |
| October-19          | 53.77                              | 34.52                            | 35.72          | 45.93        | 12.50                        | 265.65                   | 137.05             | 205.10                | 178.40              |
| November-19         | 56.74                              | 34.52                            | 35.72          | 45.93        | 12.50                        | 265.65                   | 137.05             | 203.30                | 177.70              |
| December-19         | 59.73                              | 34.52                            | 35.72          | 45.93        | 12.50                        | 265.65                   | 137.05             | 203.70                | 175.60              |
| <b>Average 2019</b> | <b>56.84</b>                       | <b>34.52</b>                     | <b>35.72</b>   | <b>45.93</b> | <b>12.50</b>                 | <b>265.65</b>            | <b>137.05</b>      | <b>202.67</b>         | <b>176.53</b>       |

Source: Central Bureau of Statistics Aruba

<sup>1</sup> Average West Texas Intermediate (WTI) crude oil price per barrel in US\$ (Source: U.S. Energy Information Administration)

<sup>2</sup> Total energy charge in Afl. cents per kWh

<sup>3</sup> Fixed charge was introduced in October 2014 at Afl. 2.50

<sup>4</sup> Electricity price in Afl. is based on an average household usage of 725.5 kWh

<sup>5</sup> Water price in Afl. is based on an average household usage

<sup>6</sup> Gasoline and diesel prices in Afl. cents per liter