

## Consumer Price Index, base period June 2019

### September 2022

*The Central Bureau of Statistics presents the most important findings for the Consumer Price Index (CPI) for the month of September 2022.*

#### Consumer Price Index for the month of September 2022

The CPI for September 2022 is 106.20, a decrease of 0.2% compared to the index of August 2022 (106.43) and accumulating an increase of 5.6% up to and including September of this year.

The percentage change of the CPI over the last twelve (12) months (September 2021 to September 2022) is 7.0, an increase of 4.8 percentage points (ppts) compared to the percentage change for the same period of last year (2.2%).

The period average (last 24 months) percentage change of the CPI for the periods September 2020 to September 2021 and September 2021 to September 2022 is 4.7%, an increase of 5.4 ppts compared to the period average percentage change over the periods September 2019 to September 2020 and September 2020 to September 2021 (-0.7%).

During this month, three (3) of the twelve (12) sectors registered decreases in prices. The decreases that had the greatest influence on the CPI were registered for the "Transport" (-2.8%) and "Household operation" (-3.1%) sectors, which contributed with an effect of -0.40 and -0.28 ppts, respectively. The decrease in the remaining sector had an effect of -0.11 ppts on the CPI of September 2022.

Aforementioned decreases were partially offset mainly by increases in the indices for the "Housing" (1.0%) and "Clothing and footwear" (7.1%) sectors, causing an effect of 0.25 and 0.17 ppts, respectively. The increases in the remaining sectors had an effect of 0.16 ppts on the CPI of September 2022.

The decrease in the "Transport" sector was due to a decrease in the category "Operation of personal transport equipment" (-5.2%), which contributed to an effect of -0.47 ppts. The decrease in the "Household operation" sector was mainly due to a decrease of 15.9% in the category "Furniture, furnishings, carpets and other floor coverings", which contributed to an effect of -0.17 ppts.

The increase in the "Housing" sector was mainly due to an increase in the category "Maintenance and repair of the dwelling" (4.2%), which contributed to an effect of 0.21 ppts. The increase in the "Clothing and footwear" sector was mainly due to an increase of 8.5% in the category "Clothing", which contributed to an effect of 0.16 ppts.

#### Consumption basket

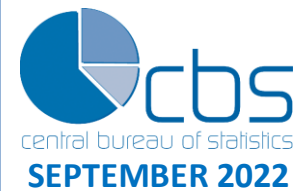
The consumption basket of the CPI consists of 408 goods and services. Compared to August 2022, 53.7% of these products had an increase in price, causing an effect of 1.18 ppts, while 29.7% showed a decrease, contributing to an effect of -1.39 ppts and the remaining 16.7% had no change in price. The prices of goods decreased by 0.2% and caused an influence of -0.11 ppts. The prices of services decreased by 0.3% had an influence of -0.10 ppts on the CPI of September 2022.

#### Core inflation

The CPIC (core inflation) - CPI excluding the effect of energy and food – was 2.7% in September 2022. The energy index - which consists of the products: electricity, water, gasoline and diesel – was 11.9%. The food index showed an increase of 8.0%.

#### Subsistence level

The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) in September 2022 is Afl. 5,309, an increase of Afl. 470 compared to September 2021 (Afl. 4,839). The subsistence level for a single adult household is Afl. 2,528, an increase of Afl. 224 compared to September 2021 (Afl. 2,304).



| CPI (BASE JUN 2019 = 100) |   |        |
|---------------------------|---|--------|
| Index                     | ↑ | 106.20 |
| Monthly                   | ↓ | -0.2   |
| Year-to-date              | ↑ | 5.6    |
| End of period             | ↑ | 7.0    |
| Period average            | ↑ | 4.7    |
| Goods                     | ↓ | -0.2   |
| Services                  | ↓ | -0.3   |

| CPIC (based on period average inflation) |   |      |
|--|---|------|
| CPIC                                     | ↑ | 2.7  |
| Energy                                   | ↑ | 11.9 |
| Food                                     | ↑ | 8.0  |

| SUBSISTENCE LEVEL <sup>in AFL.</sup> |   |       |
|--------------------------------------|---|-------|
| 1 adult                              | ↑ | 2,528 |
| 2 adults + 2 children                | ↑ | 5,309 |

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

|                              | Sep-21 | Oct-21 | Nov-21 | Dec-21 | Jan-22 | Feb-22 | Mar-22 | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 |
|------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| <b>Index</b>                 | 99.24  | 99.31  | 99.90  | 100.60 | 100.07 | 100.44 | 101.47 | 102.16 | 102.49 | 103.26 | 104.46 | 106.43 | 106.20 |
| <i>Monthly</i>               | 0.4    | 0.1    | 0.6    | 0.7    | -0.5   | 0.4    | 1.0    | 0.7    | 0.3    | 0.7    | 1.2    | 1.9    | -0.2   |
| <i>Year-to-date</i>          | 2.2    | 2.3    | 2.9    | 3.6    | -0.5   | -0.2   | 0.9    | 1.5    | 1.9    | 2.6    | 3.8    | 5.8    | 5.6    |
| <i>End of period</i>         | 2.2    | 2.4    | 3.1    | 3.6    | 3.3    | 3.5    | 4.0    | 4.7    | 5.2    | 5.3    | 6.0    | 7.7    | 7.0    |
| <i>Period average</i>        | -0.7   | -0.3   | 0.2    | 0.7    | 1.2    | 1.7    | 2.1    | 2.6    | 3.0    | 3.4    | 3.7    | 4.3    | 4.7    |
| <b>Goods</b>                 | 0.9    | -0.7   | 0.7    | 1.4    | -0.6   | 0.1    | 1.6    | 0.8    | 0.8    | 1.3    | 1.6    | 3.2    | -0.2   |
| <b>Services</b>              | -0.2   | 1.1    | 0.5    | -0.2   | -0.5   | 0.7    | 0.2    | 0.5    | -0.4   | 0.0    | 0.5    | 0.1    | -0.3   |
| <b>CPIC</b>                  | -1.2   | -0.9   | -0.7   | -0.3   | 0.1    | 0.5    | 0.8    | 1.2    | 1.7    | 2.0    | 2.2    | 2.5    | 2.7    |
| <b>Energy</b>                | 2.0    | 3.4    | 5.1    | 6.7    | 7.5    | 8.2    | 8.7    | 8.8    | 8.7    | 9.0    | 9.5    | 10.8   | 11.9   |
| <b>Food</b>                  | -1.7   | -1.4   | -0.9   | -0.3   | 0.4    | 1.2    | 2.0    | 3.0    | 4.0    | 5.1    | 6.1    | 7.1    | 8.0    |
| <i>1 adult</i>               | 2,304  | 2,311  | 2,331  | 2,337  | 2,343  | 2,348  | 2,372  | 2,382  | 2,403  | 2,414  | 2,440  | 2,513  | 2,528  |
| <i>2 adults + 2 children</i> | 4,839  | 4,854  | 4,896  | 4,907  | 4,920  | 4,931  | 4,980  | 5,003  | 5,046  | 5,070  | 5,124  | 5,278  | 5,309  |

Source: Central Bureau of Statistics Aruba

Table 2 Percentage change by sector

| Sector                                      | Weight coefficient | Effect Aug - Sep | Percentage changes |                        |                               |                                |
|---|--------------------|------------------|--------------------|------------------------|-------------------------------|--------------------------------|
|   |                    |                  | Monthly Aug - Sep  | Year-to-date Dec - Sep | End of period Sep 21 - Sep 22 | Period average Sep 21 - Sep 22 |
| <b>CPI</b>                                  | <b>10,000.0</b>    | <b>-0.22</b>     | <b>-0.2</b>        | <b>5.6</b>             | <b>7.0</b>                    | <b>4.7</b>                     |
| <i>01. Food and non-alcoholic beverages</i> | 1,087.7            | 0.06             | 0.6                | 9.6                    | 12.1                          | 7.7                            |
| <i>02. Alcoholic beverages and tobacco</i>  | 78.2               | 0.00             | 0.0                | 3.4                    | 5.1                           | 3.2                            |
| <i>03. Clothing and footwear</i>            | 276.8              | 0.17             | 7.1                | 2.7                    | 6.5                           | 5.5                            |
| <i>04. Housing</i>                          | 2,522.2            | 0.25             | 1.0                | 11.7                   | 11.5                          | 2.3                            |
| <i>05. Household operation</i>              | 929.2              | -0.28            | -3.1               | -1.9                   | 1.4                           | 3.6                            |
| <i>06. Health</i>                           | 223.1              | 0.02             | 1.1                | 4.9                    | 2.3                           | -0.4                           |
| <i>07. Transport</i>                        | 1,257.4            | -0.40            | -2.8               | 13.2                   | 15.9                          | 17.1                           |
| <i>08. Communications</i>                   | 849.6              | 0.04             | 0.5                | -1.3                   | -2.1                          | -1.2                           |
| <i>09. Recreation and culture</i>           | 1,013.3            | -0.11            | -1.1               | -3.0                   | 1.2                           | 2.3                            |
| <i>10. Education</i>                        | 98.0               | 0.00             | 0.0                | 0.0                    | 0.0                           | 3.8                            |
| <i>11. Restaurants and hotels</i>           | 442.0              | 0.03             | 0.6                | 5.1                    | 6.1                           | 4.3                            |
| <i>12. Miscellaneous goods and services</i> | 1,222.6            | 0.00             | 0.0                | 0.5                    | 1.4                           | 2.0                            |

Source: Central Bureau of Statistics Aruba

Table 3 Categories with the greatest positive effect on the CPI of September 2022

| Category  | Monthly change | Effect |
|---|----------------|--------|
| <i>Maintenance and repair of the dwelling</i>                   | 4.2            | 0.21   |
| <i>Clothing</i>   | 8.5            | 0.16   |
| <i>Other recreational items and equipment; gardens and pets</i> | 3.0            | 0.08   |
| <i>Purchase of vehicles</i>                                     | 1.4            | 0.07   |
| <i>Food</i>   | 0.5            | 0.05   |

Source: Central Bureau of Statistics Aruba

Table 4 Categories with the greatest negative effect on the CPI of September 2022

| Category   | Monthly change | Effect |
|--|----------------|--------|
| <i>Operation of personal transport equipment</i>                 | -5.2           | -0.47  |
| <i>Furniture, furnishings, carpets and other floor coverings</i> | -15.9          | -0.17  |
| <i>Holidays</i>  | -6.1           | -0.17  |
| <i>Household appliances</i>                                      | -3.4           | -0.09  |
| <i>Newspapers, books and stationery</i>                          | -10.1          | -0.04  |

Source: Central Bureau of Statistics Aruba

## Change in prices of crude oil, utilities, gasoline and diesel in September 2022

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In September 2022 the average price per barrel of crude oil (US\$ 85.37) had a decrease of US\$ 8.37 (-8.9%) compared to August 2022 (US\$ 93.74), its third decline in a row.

In September the average electricity price per household did not change compared to August 2022 and remained at Afl. 294.56, while the average price of water per household increased by 0.6% from Afl. 167.75 to Afl. 168.73 and had an effect of 0.02 ppts on the CPI of September.

In September 2022 the price of gasoline registered a decrease of Afl. 25.20 cents (-8.6%) and had an effect of -0.49 ppts on the CPI. The price of diesel registered a decrease of Afl. 8.60 cents (-3.1%) and had an effect of -0.01 ppt on the CPI of September 2022.

In September 2022, utilities, gasoline and diesel as a group showed a decrease in price of 2.5% compared to August 2022, and had an influence of -0.48 ppts on the CPI, while the

remaining 404 goods and services, as a group, show an increase of 0.3% and had an effect of 0.26 ppts on the CPI.

Table 6 Effect on the CPI of September 2022 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    | -8.6           | -0.49  |
| Water                        | 367.3    | 0.6            | 0.02   |
| Diesel                       | 30.2     | -3.1           | -0.01  |
| Total group                  | 1,638.1  | -2.5           | -0.48  |
| Remaining goods and services | 8,361.9  | 0.3            | 0.26   |
| CPI                          | 10,000.0 | -0.2           | -0.22  |

Source: Central Bureau of Statistics Aruba

Table 5 Prices of crude oil, utilities, gasoline and diesel, 2021 - 2022

| Month                 | 2021         |               |               |               |               |               |               |              | 2022         |               |               |               |               |               |               |               |
|-----------------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                       | Total        |               | Total         |               | Electricity   | Water         | Gasoline      | Diesel       | Total        |               | Total         |               | Electricity   | Water         | Gasoline      | Diesel        |
|                       | Crude oil    | energy charge | energy charge | energy charge |               |               |               |              | Crude oil    | energy charge | energy charge | energy charge |               |               |               |               |
| January               | 51.23        | 31.09         | 31.99         | 240.09        | 137.05        | 185.90        | 152.40        | 83.06        | 31.09        | 31.99         | 240.09        | 137.05        | 230.60        | 195.00        | 214.10        | 228.80        |
| March                 | 59.10        | 31.09         | 31.99         | 240.09        | 137.05        | 196.30        | 158.60        | 91.32        | 31.09        | 31.99         | 240.09        | 137.05        | 245.70        | 214.10        | 228.80        | 228.80        |
| April                 | 61.52        | 31.09         | 31.99         | 240.09        | 137.05        | 221.60        | 175.80        | 102.29       | 31.09        | 31.99         | 240.09        | 137.05        | 291.00        | 274.50        | 274.50        | 274.50        |
| May                   | 65.17        | 31.09         | 31.99         | 240.09        | 137.05        | 222.10        | 174.60        | 109.31       | 31.09        | 31.99         | 240.09        | 137.05        | 289.00        | 289.00        | 289.00        | 289.00        |
| June                  | 70.97        | 31.09         | 31.99         | 240.09        | 137.05        | 225.80        | 183.00        | 115.29       | 31.09        | 31.99         | 240.09        | 137.05        | 321.20        | 290.30        | 290.30        | 290.30        |
| July                  | 72.61        | 31.09         | 31.99         | 240.09        | 137.05        | 230.70        | 188.70        | 103.21       | 31.09        | 31.99         | 240.09        | 137.05        | 335.70        | 312.70        | 312.70        | 312.70        |
| August                | 67.62        | 31.09         | 31.99         | 240.09        | 137.05        | 235.70        | 189.30        | 93.74        | 38.53        | 39.65         | 294.56        | 167.75        | 293.20        | 278.50        | 278.50        | 278.50        |
| September             | 70.50        | 31.09         | 31.99         | 240.09        | 137.05        | 233.60        | 185.60        | 85.37        | 38.53        | 39.65         | 294.56        | 168.73        | 268.00        | 269.90        | 269.90        | 269.90        |
| October               | 80.49        | 31.09         | 31.99         | 240.09        | 137.05        | 234.20        | 193.20        |              |              |               |               |               |               |               |               |               |
| November              | 80.13        | 31.09         | 31.99         | 240.09        | 137.05        | 246.40        | 209.00        |              |              |               |               |               |               |               |               |               |
| December              | 71.41        | 31.09         | 31.99         | 240.09        | 137.05        | 239.00        | 202.30        |              |              |               |               |               |               |               |               |               |
| <b>Yearly Average</b> | <b>67.78</b> | <b>31.09</b>  | <b>31.99</b>  | <b>240.09</b> | <b>137.05</b> | <b>223.34</b> | <b>181.95</b> | <b>99.13</b> | <b>32.74</b> | <b>33.69</b>  | <b>252.19</b> | <b>143.98</b> | <b>281.71</b> | <b>261.42</b> | <b>261.42</b> | <b>261.42</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 in m<sup>3</sup>

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

## Change in prices of Food & catering services in September 2022

The "Food & catering services" index showed an increase of 0.5% in September 2022, after an increase of 1.4% in August 2022. The index for "Food at home" showed an increase of 0.6% in September, as nine (9) of the eleven (11) "Food at home" indices increased in September 2022. The "Potatoes and other tubers" index registered the largest increase (4.0%) in September 2022. Furthermore, other significant increases were posted in the indices for "Fruit" (2.9%), "Oils and fats" (2.3%), "Non-alcoholic beverages" (1.3%) and "Bread and cereals" (1.1%).

The only decreases were registered in the indices of "Vegetables" (-2.6%) and "Fish and other seafood" (-1.2%).

Over the last twelve (12) months, the "Food & catering services" has increased by 10.3%. The "Food at home" index showed an increase of 12.1%, where all of the "Food at home" indices increased over the last year. The "Oils and fats" index increased by 17.4%, the largest increase among the "Food at home" food groups. Furthermore, other significant increases were posted in the indices for "Meat" (16.0%), "Fruit" (14.4%), "Milk, cheese and eggs" (13.6%), "Fish and other seafood" (13.1%) and "Potatoes and other tubers" (12.3%).

The index for "Food away from home" increased by 0.4% in September 2022 and has increased by 5.9% over the last twelve (12) months.

In September 2022, "Food at home" and "Food away from home" as a group showed an increase in price of 0.5% compared to August 2022, and had an influence of 0.08 ppts on the CPI, while the remaining goods and services, as a group, experienced a decrease in price of 0.4%, causing an effect of -0.30 ppts on the CPI.

Table 8 Effect on the CPI of September 2022 of Food at home and Food away from home

| Category                            | Weight   | Monthly change | Effect |
|-------------------------------------|----------|----------------|--------|
| <i>Food at home</i>                 | 1,087.7  | 0.6            | 0.06   |
| <i>Food away from home</i>          | 429.8    | 0.4            | 0.02   |
| <i>Total group</i>                  | 1,517.5  | 0.5            | 0.08   |
| <i>Remaining goods and services</i> | 8,482.5  | -0.4           | -0.30  |
| <i>CPI</i>                          | 10,000.0 | -0.2           | -0.22  |

Source: Central Bureau of Statistics Aruba

Table 7 Percentage change for Food & catering services

|  | Weight coefficient | Indices       |               |               | Percentage changes |                   |                               | Effect            |                               |
|--|--------------------|---------------|---------------|---------------|--------------------|-------------------|-------------------------------|-------------------|-------------------------------|
|  |                    | Sep-21        | Aug-22        | Sep-22        | Monthly Jul - Aug  | Monthly Aug - Sep | End of period Sep 21 - Sep 22 | Monthly Aug - Sep | End of period Sep 21 - Sep 22 |
| <b>Food &amp; catering services</b>              | <b>1,517.5</b>     | <b>100.39</b> | <b>110.15</b> | <b>110.70</b> | <b>1.4</b>         | <b>0.5</b>        | <b>10.3</b>                   | <b>0.079</b>      | <b>1.577</b>                  |
| <b>Food at home</b>                              | <b>1,087.7</b>     | <b>98.60</b>  | <b>109.93</b> | <b>110.54</b> | <b>1.6</b>         | <b>0.6</b>        | <b>12.1</b>                   | <b>0.063</b>      | <b>1.310</b>                  |
| <i>Bread and cereals</i>                         | 178.1              | 100.55        | 109.05        | 110.27        | 1.2                | 1.1               | 9.7                           | 0.020             | 0.175                         |
| <i>Meat</i>                                      | 242.5              | 101.43        | 117.54        | 117.64        | 1.9                | 0.1               | 16.0                          | 0.002             | 0.396                         |
| <i>Fish and other seafood</i>                    | 49.0               | 98.28         | 112.57        | 111.18        | 2.2                | -1.2              | 13.1                          | -0.006            | 0.064                         |
| <i>Milk, cheese and eggs</i>                     | 135.3              | 101.18        | 114.84        | 114.94        | 1.4                | 0.1               | 13.6                          | 0.001             | 0.188                         |
| <i>Oils and fats</i>                             | 32.2               | 104.64        | 120.08        | 122.83        | 0.5                | 2.3               | 17.4                          | 0.008             | 0.059                         |
| <i>Fruit</i>                                     | 97.6               | 93.77         | 104.26        | 107.30        | 1.8                | 2.9               | 14.4                          | 0.028             | 0.133                         |
| <i>Potatoes and other tubers</i>                 | 18.2               | 79.54         | 85.89         | 89.34         | -4.6               | 4.0               | 12.3                          | 0.006             | 0.018                         |
| <i>Vegetables</i>                                | 89.1               | 83.61         | 93.00         | 90.54         | 5.8                | -2.6              | 8.3                           | -0.021            | 0.062                         |
| <i>Sugar, jam, honey and other confectionery</i> | 42.0               | 101.81        | 110.04        | 110.73        | 1.4                | 0.6               | 8.8                           | 0.003             | 0.038                         |
| <i>Food products n.e.c.</i>                      | 80.1               | 100.48        | 106.99        | 107.56        | 0.5                | 0.5               | 7.0                           | 0.004             | 0.057                         |
| <i>Non-alcoholic beverages</i>                   | 123.6              | 101.06        | 109.24        | 110.72        | 1.3                | 1.3               | 9.6                           | 0.017             | 0.023                         |
| <b>Food away from home</b>                       | <b>429.8</b>       | <b>104.93</b> | <b>110.71</b> | <b>111.10</b> | <b>0.8</b>         | <b>0.4</b>        | <b>5.9</b>                    | <b>0.016</b>      | <b>0.267</b>                  |
| <b>Other goods and services</b>                  | <b>8,482.5</b>     | <b>99.03</b>  | <b>105.77</b> | <b>105.40</b> | <b>2.0</b>         | <b>-0.4</b>       | <b>6.4</b>                    | <b>-0.296</b>     | <b>5.442</b>                  |
| <i>Other goods</i>                               | 4,735.8            | 98.17         | 108.53        | 108.13        | 3.5                | -0.4              | 10.1                          | -0.178            | 4.754                         |
| <i>Other services</i>                            | 3,746.7            | 100.12        | 102.27        | 101.94        | 0.0                | -0.3              | 1.8                           | -0.118            | 0.688                         |
| <b>CPI</b>                                       | <b>10,000.0</b>    | <b>99.24</b>  | <b>106.43</b> | <b>106.20</b> | <b>1.9</b>         | <b>-0.2</b>       | <b>7.0</b>                    | <b>-0.217</b>     | <b>7.019</b>                  |

Source: Central Bureau of Statistics Aruba

## The subsistence level in September 2022

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     |              | Change     |
|----------------------------------|--------------|--------------|------------|
|                                  | Sep-21       | Sep-22       |            |
| Food and non-alcoholic beverages | 1,925        | 2,159        | 234        |
| Clothing and footwear            | 248          | 264          | 16         |
| Housing                          | 1,456        | 1,623        | 167        |
| Household operation              | 111          | 112          | 1          |
| Health                           | 80           | 82           | 2          |
| Transport                        | 299          | 347          | 48         |
| Communications                   | 153          | 150          | -3         |
| Recreation and culture           | 161          | 163          | 2          |
| Education                        | 78           | 78           | 0          |
| Miscellaneous goods and services | 328          | 332          | 4          |
| <b>Total</b>                     | <b>4,839</b> | <b>5,309</b> | <b>470</b> |

Source: Central Bureau of Statistics Aruba

In September 2022 the monthly subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) (Afl. 5,309) showed an increase of Afl. 470 compared to September 2021 (Afl. 4,839) and was mainly caused by increases of Afl. 234 and Afl. 167 in the sectors "Food and non-alcoholic beverages" and "Housing", respectively.

Table 10 Monthly Subsistence level in Aruba (in Afl.) by family size and composition, September 2022 (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 |
| Sep-21 | 2,304              | 2,995             | 3,456    | 4,148              | 4,839                 |
| Oct-21 | 2,311              | 3,005             | 3,467    | 4,161              | 4,854                 |
| Nov-21 | 2,331              | 3,031             | 3,497    | 4,196              | 4,896                 |
| Dec-21 | 2,337              | 3,038             | 3,505    | 4,206              | 4,907                 |
| Jan-22 | 2,343              | 3,046             | 3,514    | 4,217              | 4,920                 |
| Feb-22 | 2,348              | 3,052             | 3,522    | 4,226              | 4,931                 |
| Mar-22 | 2,372              | 3,083             | 3,557    | 4,269              | 4,980                 |
| Apr-22 | 2,382              | 3,097             | 3,574    | 4,288              | 5,003                 |
| May-22 | 2,403              | 3,124             | 3,604    | 4,325              | 5,046                 |
| Jun-22 | 2,414              | 3,139             | 3,622    | 4,346              | 5,070                 |
| Jul-22 | 2,440              | 3,172             | 3,660    | 4,392              | 5,124                 |
| Aug-22 | 2,513              | 3,267             | 3,770    | 4,524              | 5,278                 |
| Sep-22 | 2,528              | 3,287             | 3,792    | 4,551              | 5,309                 |

Source: Central Bureau of Statistics Aruba

In September 2022, the monthly subsistence level for a single adult household is Afl 2,528, which represents an income deficit of Afl. 713, an increase of Afl. 224 compared to the deficit observed one year ago (Afl. 489). This deficit is the highest registered over a period of six (6) years for the month September.

Table 11 Monthly income surplus/deficit (in Afl.) for a single adult household for September, 2017 - 2022

| Period | Minimum |       | Surplus/deficit |
|--------|---------|-------|-----------------|
|        | 1 adult | wage  |                 |
| 2017   | 2,097   | 1,711 | -386            |
| 2018   | 2,203   | 1,711 | -492            |
| 2019   | 2,332   | 1,762 | -570            |
| 2020   | 2,277   | 1,815 | -462            |
| 2021   | 2,304   | 1,815 | -489            |
| 2022   | 2,528   | 1,815 | -713            |

Source: Central Bureau of Statistics Aruba

## APPENDIX 1

## Monthly &amp; Yearly Changes (%) in the Consumer Price Index for September 2022, Total Population (Jun 2019 = 100)

| DESCRIPTION   | WEIGHT<br>coefficient | 2021          | 2021          | 2022          | 2022          | Monthly<br>Aug - Sep | Ytd<br>Dec - Sep | End of period<br>Sep 21 - Sep 22<br>12 months | Period average<br>Sep 21 - Sep 22<br>24 months |
|---|-----------------------|---------------|---------------|---------------|---------------|----------------------|------------------|---|--|
|   |                       | Sep           | Dec           | Aug           | Sep           |                      |                  |   |  |
| <b>Food and non-alcoholic beverages</b>                           | <b>1,087.7</b>        | <b>98.60</b>  | <b>100.89</b> | <b>109.93</b> | <b>110.54</b> | <b>0.6</b>           | <b>9.6</b>       | <b>12.1</b>                                   | <b>7.7</b>                                     |
| Food  | 964.1                 | 98.28         | 100.68        | 110.01        | 110.52        | 0.5                  | 9.8              | 12.5  | 8.0  |
| Non-alcoholic beverages   | 123.6                 | 101.06        | 102.51        | 109.24        | 110.72        | 1.3                  | 8.0              | 9.6   | 5.0  |
| <b>Alcoholic beverages and tobacco</b>                            | <b>78.2</b>           | <b>100.34</b> | <b>101.99</b> | <b>105.38</b> | <b>105.42</b> | <b>0.0</b>           | <b>3.4</b>       | <b>5.1</b>                                    | <b>3.2</b>                                     |
| Alcoholic beverages for consumption at home                       | 62.2                  | 98.60         | 100.77        | 104.51        | 104.57        | 0.1                  | 3.8              | 6.1   | 3.5  |
| Tobacco   | 16.0                  | 107.08        | 106.74        | 108.76        | 108.74        | 0.0                  | 1.9              | 1.6   | 1.9  |
| <b>Clothing and footwear</b>                                      | <b>276.8</b>          | <b>90.92</b>  | <b>94.29</b>  | <b>90.45</b>  | <b>96.85</b>  | <b>7.1</b>           | <b>2.7</b>       | <b>6.5</b>                                    | <b>5.5</b>                                     |
| Clothing  | 212.8                 | 93.17         | 95.07         | 92.54         | 100.41        | 8.5                  | 5.6              | 7.8   | 6.9  |
| Footwear  | 64.0                  | 83.44         | 91.70         | 83.50         | 85.02         | 1.8                  | -7.3             | 1.9   | 0.7  |
| <b>Housing</b>  | <b>2,522.2</b>        | <b>98.61</b>  | <b>98.42</b>  | <b>108.88</b> | <b>109.92</b> | <b>1.0</b>           | <b>11.7</b>      | <b>11.5</b>                                   | <b>2.3</b>                                     |
| Actual rentals for housing  | 666.7                 | 103.40        | 103.79        | 104.82        | 104.95        | 0.1                  | 1.1              | 1.5   | 1.5  |
| Imputed rentals for housing                                       | 34.4                  | 98.25         | 99.65         | 94.65         | 96.49         | 1.9                  | -3.2             | -1.8  | -2.6   |
| Maintenance and repair of the dwelling                            | 517.0                 | 102.81        | 101.30        | 102.44        | 106.71        | 4.2                  | 5.3              | 3.8   | 0.4  |
| Water supply and miscellaneous services relating to the dwelling  | 463.6                 | 101.35        | 101.35        | 120.02        | 120.59        | 0.5                  | 19.0             | 19.0  | 3.6  |
| Electricity, gas and other fuels                                  | 840.4                 | 90.72         | 90.72         | 110.49        | 110.49        | 0.0                  | 21.8             | 21.8  | 3.6  |
| <b>Household operation</b>  | <b>929.2</b>          | <b>99.33</b>  | <b>102.68</b> | <b>104.00</b> | <b>100.76</b> | <b>-3.1</b>          | <b>-1.9</b>      | <b>1.4</b>                                    | <b>3.6</b>                                     |
| Furniture, furnishings, carpets and other floor coverings         | 128.8                 | 79.52         | 80.70         | 89.44         | 75.21         | -15.9                | -6.8             | -5.4  | 0.8  |
| Household textiles  | 58.6                  | 80.02         | 80.43         | 77.83         | 78.98         | 1.5                  | -1.8             | -1.3  | -2.6   |
| Household appliances  | 246.0                 | 106.23        | 110.28        | 112.70        | 108.85        | -3.4                 | -1.3             | 2.5   | 7.5  |
| Glassware, tableware and household utensils                       | 17.2                  | 73.68         | 81.49         | 82.31         | 74.51         | -9.5                 | -8.6             | 1.1   | -8.3   |
| Tools and equipment for house and garden                          | 58.2                  | 124.80        | 152.35        | 135.55        | 132.68        | -2.1                 | -12.9            | 6.3   | 17.3   |
| Goods and services for routine household maintenance and cleaning | 420.5                 | 101.59        | 102.07        | 103.54        | 103.55        | 0.0                  | 1.5              | 1.9   | 1.1  |
| <b>Health</b>   | <b>223.1</b>          | <b>97.54</b>  | <b>95.13</b>  | <b>98.66</b>  | <b>99.76</b>  | <b>1.1</b>           | <b>4.9</b>       | <b>2.3</b>                                    | <b>-0.4</b>                                    |
| Medical products, appliances and equipment                        | 152.3                 | 97.68         | 93.77         | 96.85         | 97.48         | 0.7                  | 4.0              | -0.2  | -1.6   |
| Out-patient services  | 52.4                  | 95.59         | 95.71         | 103.79        | 106.48        | 2.6                  | 11.3             | 11.4  | 3.6  |
| Other treatments  | 7.8                   | 92.35         | 92.14         | 97.86         | 100.39        | 2.6                  | 9.0              | 8.7   | 2.1  |
| Health products and services n.e.c.                               | 10.5                  | 109.03        | 113.97        | 99.85         | 98.76         | -1.1                 | -13.3            | -9.4  | -4.2   |
| <b>Transport</b>  | <b>1,257.4</b>        | <b>102.74</b> | <b>105.20</b> | <b>122.44</b> | <b>119.06</b> | <b>-2.8</b>          | <b>13.2</b>      | <b>15.9</b>                                   | <b>17.1</b>                                    |
| Purchase of vehicles  | 442.6                 | 97.27         | 98.87         | 115.23        | 116.86        | 1.4                  | 18.2             | 20.1  | 10.1   |
| Operation of personal transport equipment                         | 763.3                 | 107.43        | 109.54        | 127.20        | 120.61        | -5.2                 | 10.1             | 12.3  | 21.2   |
| Transport services  | 51.5                  | 80.39         | 95.34         | 113.90        | 115.03        | 1.0                  | 20.7             | 43.1  | 16.3   |
| <b>Communications</b>   | <b>849.6</b>          | <b>100.14</b> | <b>99.24</b>  | <b>97.48</b>  | <b>98.00</b>  | <b>0.5</b>           | <b>-1.3</b>      | <b>-2.1</b>                                   | <b>-1.2</b>                                    |
| Telephone and telefax equipment                                   | 43.8                  | 100.44        | 83.07         | 69.46         | 79.47         | 14.4                 | -4.3             | -20.9   | -11.0  |
| Telephone and telefax services                                    | 805.8                 | 100.12        | 100.12        | 99.01         | 99.01         | 0.0                  | -1.1             | -1.1  | -0.7   |
| <b>Recreation and culture</b>                                     | <b>1,013.3</b>        | <b>96.33</b>  | <b>100.46</b> | <b>98.57</b>  | <b>97.46</b>  | <b>-1.1</b>          | <b>-3.0</b>      | <b>1.2</b>                                    | <b>2.3</b>                                     |
| Audio-visual, photographic and information processing equipment   | 58.5                  | 105.21        | 122.78        | 93.69         | 96.38         | 2.9                  | -21.5            | -8.4  | 6.0  |
| Other major durables for recreation and culture                   | 20.0                  | 109.88        | 92.12         | 113.35        | 115.70        | 2.1                  | 25.6             | 5.3   | 2.4  |
| Other recreational items and equipment; gardens and pets          | 266.6                 | 101.95        | 100.58        | 103.99        | 107.13        | 3.0                  | 6.5              | 5.1   | 2.8  |
| Recreational and cultural services                                | 309.1                 | 102.53        | 101.77        | 101.96        | 101.97        | 0.0                  | 0.2              | -0.6  | 1.8  |
| Newspapers, books and stationery                                  | 43.7                  | 81.49         | 81.73         | 90.81         | 81.64         | -10.1                | -0.1             | 0.2   | -0.3   |
| Holidays  | 315.4                 | 85.04         | 98.07         | 91.70         | 86.10         | -6.1                 | -12.2            | 1.2   | 2.1  |
| <b>Education</b>  | <b>98.0</b>           | <b>104.79</b> | <b>104.79</b> | <b>104.79</b> | <b>104.79</b> | <b>0.0</b>           | <b>0.0</b>       | <b>0.0</b>                                    | <b>3.8</b>                                     |
| Pre primary and primary education                                 | 24.0                  | 100.00        | 100.00        | 100.00        | 100.00        | 0.0                  | 0.0              | 0.0   | 0.0  |
| Secondary education   | 43.4                  | 110.44        | 110.44        | 110.44        | 110.44        | 0.0                  | 0.0              | 0.0   | 8.6  |
| Post-secondary non-tertiary education                             | 4.6                   | 100.00        | 100.00        | 100.00        | 100.00        | 0.0                  | 0.0              | 0.0   | 0.0  |
| Tertiary education  | 23.6                  | 100.00        | 100.00        | 100.00        | 100.00        | 0.0                  | 0.0              | 0.0   | 0.0  |
| Education not definable by level                                  | 2.5                   | 106.67        | 106.67        | 106.67        | 106.67        | 0.0                  | 0.0              | 0.0   | 0.0  |
| <b>Restaurants and hotels</b>                                     | <b>442.0</b>          | <b>103.45</b> | <b>104.39</b> | <b>109.10</b> | <b>109.74</b> | <b>0.6</b>           | <b>5.1</b>       | <b>6.1</b>                                    | <b>4.3</b>                                     |
| Catering services   | 429.8                 | 104.93        | 105.43        | 110.71        | 111.10        | 0.4                  | 5.4              | 5.9   | 4.7  |
| Accommodation services  | 12.2                  | 51.18         | 67.78         | 52.41         | 61.79         | 17.9                 | -8.8             | 20.7  | -14.1  |
| <b>Miscellaneous goods and services</b>                           | <b>1,222.6</b>        | <b>99.36</b>  | <b>100.23</b> | <b>100.67</b> | <b>100.70</b> | <b>0.0</b>           | <b>0.5</b>       | <b>1.4</b>                                    | <b>2.0</b>                                     |
| Personal care   | 427.1                 | 96.38         | 96.70         | 98.06         | 98.25         | 0.2                  | 1.6              | 1.9   | 0.7  |
| Personal effects n.e.c.   | 106.6                 | 96.59         | 95.53         | 95.14         | 94.72         | -0.4                 | -0.9             | -1.9  | 1.6  |
| Social protection   | 78.2                  | 113.33        | 126.67        | 126.67        | 126.67        | 0.0                  | 0.0              | 11.8  | 24.0   |
| Insurance   | 610.7                 | 100.14        | 100.14        | 100.14        | 100.14        | 0.0                  | 0.0              | 0.0   | 0.0  |
| <b>CPI</b>  | <b>10,000.0</b>       | <b>99.24</b>  | <b>100.60</b> | <b>106.43</b> | <b>106.20</b> | <b>-0.2</b>          | <b>5.6</b>       | <b>7.0</b>                                    | <b>4.7</b>                                     |

Source: Central Bureau of Statistics Aruba

## APPENDIX 2

## Effect on the Consumer Price Index per sector and category for September 2022, Total Population (Jun 2019 = 100)

| DESCRIPTION   | WEIGHT<br>coefficient | Monthly      | Ytd          | End of period                | Period average               |
|---|-----------------------|--------------|--------------|------------------------------|------------------------------|
|   |                       | Aug - Sep    | Dec - Sep    | Sep 21 - Sep 22<br>12 months | Sep 21 - Sep 22<br>24 months |
| <b>Food and non-alcoholic beverages</b>                           | <b>1,087.7</b>        | <b>0.06</b>  | <b>1.04</b>  | <b>1.31</b>                  | <b>0.83</b>                  |
| Food  | 964.1                 | 0.05         | 0.94         | 1.19                         | 0.77                         |
| Non-alcoholic beverages   | 123.6                 | 0.02         | 0.10         | 0.12                         | 0.06                         |
| <b>Alcoholic beverages and tobacco</b>                            | <b>78.2</b>           | <b>0.00</b>  | <b>0.03</b>  | <b>0.04</b>                  | <b>0.03</b>                  |
| Alcoholic beverages for consumption at home                       | 62.2                  | 0.00         | 0.02         | 0.04                         | 0.02                         |
| Tobacco   | 16.0                  | 0.00         | 0.00         | 0.00                         | 0.00                         |
| <b>Clothing and footwear</b>                                      | <b>276.8</b>          | <b>0.17</b>  | <b>0.07</b>  | <b>0.17</b>                  | <b>0.14</b>                  |
| Clothing  | 212.8                 | 0.16         | 0.11         | 0.16                         | 0.13                         |
| Footwear  | 64.0                  | 0.01         | -0.04        | 0.01                         | 0.00                         |
| <b>Housing</b>  | <b>2,522.2</b>        | <b>0.25</b>  | <b>2.88</b>  | <b>2.87</b>                  | <b>0.57</b>                  |
| Actual rentals for housing  | 666.7                 | 0.01         | 0.08         | 0.10                         | 0.11                         |
| Imputed rentals for housing                                       | 34.4                  | 0.01         | -0.01        | -0.01                        | -0.01                        |
| Maintenance and repair of the dwelling                            | 517.0                 | 0.21         | 0.28         | 0.20                         | 0.02                         |
| Water supply and miscellaneous services relating to the dwelling  | 463.6                 | 0.02         | 0.89         | 0.90                         | 0.17                         |
| Electricity, gas and other fuels                                  | 840.4                 | 0.00         | 1.65         | 1.67                         | 0.28                         |
| <b>Household operation</b>  | <b>929.2</b>          | <b>-0.28</b> | <b>-0.18</b> | <b>0.13</b>                  | <b>0.33</b>                  |
| Furniture, furnishings, carpets and other floor coverings         | 128.8                 | -0.17        | -0.07        | -0.06                        | 0.01                         |
| Household textiles  | 58.6                  | 0.01         | -0.01        | -0.01                        | -0.01                        |
| Household appliances  | 246.0                 | -0.09        | -0.03        | 0.07                         | 0.18                         |
| Glassware, tableware and household utensils                       | 17.2                  | -0.01        | -0.01        | 0.00                         | -0.01                        |
| Tools and equipment for house and garden                          | 58.2                  | -0.02        | -0.11        | 0.05                         | 0.12                         |
| Goods and services for routine household maintenance and cleaning | 420.5                 | 0.00         | 0.06         | 0.08                         | 0.05                         |
| <b>Health</b>   | <b>223.1</b>          | <b>0.02</b>  | <b>0.10</b>  | <b>0.05</b>                  | <b>-0.01</b>                 |
| Medical products, appliances and equipment                        | 152.3                 | 0.01         | 0.06         | 0.00                         | -0.02                        |
| Out-patient services  | 52.4                  | 0.01         | 0.06         | 0.06                         | 0.02                         |
| Other treatments  | 7.8                   | 0.00         | 0.01         | 0.01                         | 0.00                         |
| Health products and services n.e.c.                               | 10.5                  | 0.00         | -0.02        | -0.01                        | -0.01                        |
| <b>Transport</b>  | <b>1,257.4</b>        | <b>-0.40</b> | <b>1.73</b>  | <b>2.07</b>                  | <b>2.16</b>                  |
| Purchase of vehicles  | 442.6                 | 0.07         | 0.79         | 0.87                         | 0.45                         |
| Operation of personal transport equipment                         | 763.3                 | -0.47        | 0.84         | 1.01                         | 1.64                         |
| Transport services  | 51.5                  | 0.01         | 0.10         | 0.18                         | 0.07                         |
| <b>Communications</b>   | <b>849.6</b>          | <b>0.04</b>  | <b>-0.10</b> | <b>-0.18</b>                 | <b>-0.10</b>                 |
| Telephone and telefax equipment                                   | 43.8                  | 0.04         | -0.02        | -0.09                        | -0.04                        |
| Telephone and telefax services                                    | 805.8                 | 0.00         | -0.09        | -0.09                        | -0.06                        |
| <b>Recreation and culture</b>                                     | <b>1,013.3</b>        | <b>-0.11</b> | <b>-0.30</b> | <b>0.12</b>                  | <b>0.23</b>                  |
| Audio-visual, photographic and information processing equipment   | 58.5                  | 0.01         | -0.15        | -0.05                        | 0.03                         |
| Other major durables for recreation and culture                   | 20.0                  | 0.00         | 0.05         | 0.01                         | 0.00                         |
| Other recreational items and equipment; gardens and pets          | 266.6                 | 0.08         | 0.17         | 0.14                         | 0.07                         |
| Recreational and cultural services                                | 309.1                 | 0.00         | 0.01         | -0.02                        | 0.06                         |
| Newspapers, books and stationery                                  | 43.7                  | -0.04        | 0.00         | 0.00                         | 0.00                         |
| Holidays  | 315.4                 | -0.17        | -0.38        | 0.03                         | 0.06                         |
| <b>Education</b>  | <b>98.0</b>           | <b>0.00</b>  | <b>0.00</b>  | <b>0.00</b>                  | <b>0.04</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                         | 0.04                         |
| 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>0.03</b>  | <b>0.23</b>  | <b>0.28</b>                  | <b>0.20</b>                  |
| Catering services   | 429.8                 | 0.02         | 0.24         | 0.27                         | 0.21                         |
| Accommodation services  | 12.2                  | 0.01         | -0.01        | 0.01                         | -0.01                        |
| <b>Miscellaneous goods and services</b>                           | <b>1,222.6</b>        | <b>0.00</b>  | <b>0.06</b>  | <b>0.17</b>                  | <b>0.24</b>                  |
| Personal care   | 427.1                 | 0.01         | 0.07         | 0.08                         | 0.03                         |
| Personal effects n.e.c.   | 106.6                 | 0.00         | -0.01        | -0.02                        | 0.02                         |
| Social protection   | 78.2                  | 0.00         | 0.00         | 0.11                         | 0.20                         |
| Insurance   | 610.7                 | 0.00         | 0.00         | 0.00                         | 0.00                         |
| <b>CPI</b>  | <b>10,000.0</b>       | <b>-0.22</b> | <b>5.57</b>  | <b>7.02</b>                  | <b>4.66</b>                  |

## APPENDIX 3

## Monthly &amp; Yearly Changes (%) and effect in the Food &amp; catering services for September 2022, Total Population (Jun 2019 = 100)

| DESCRIPTION                                      | WEIGHT<br>coefficient | % Change                            |   | Effect               |   |
|--|-----------------------|-------------------------------------|---|----------------------|---|
|  |                       | Monthly<br>Aug - Sep                | End of period<br>Sep 21 - Sep 22<br>12 months | Monthly<br>Aug - Sep | End of period<br>Sep 21 - Sep 22<br>12 months |
|  |                       | <b>Food &amp; catering services</b> | <b>1,517.5</b>                                | <b>0.5</b>           | <b>10.3</b>                                   |
| <b>Food at home</b>                              | <b>1,087.7</b>        | <b>0.6</b>                          | <b>12.1</b>                                   | <b>0.063</b>         | <b>1.310</b>                                  |
| <b>Bread and cereals</b>                         | <b>178.1</b>          | <b>1.1</b>                          | <b>9.7</b>                                    | <b>0.020</b>         | <b>0.175</b>                                  |
| Rice   | 23.5                  | 4.5                                 | 14.9  | 0.011                | 0.037   |
| Bread  | 72.1                  | -0.7                                | 5.9   | -0.006               | 0.046   |
| Pasta products                                   | 9.2                   | 1.5                                 | 20.2  | 0.002                | 0.018   |
| Other cereals and cereal products                | 73.3                  | 1.9                                 | 10.8  | 0.013                | 0.074   |
| <b>Meat</b>                                      | <b>242.5</b>          | <b>0.1</b>                          | <b>16.0</b>                                   | <b>0.002</b>         | <b>0.396</b>                                  |
| Bovine   | 67.3                  | 0.3                                 | 16.4  | 0.002                | 0.115   |
| Swine  | 25.5                  | 0.7                                 | 10.6  | 0.002                | 0.029   |
| Poultry  | 75.7                  | -1.2                                | 28.4  | -0.011               | 0.209   |
| Other meat and meat preparations                 | 74.0                  | 1.2                                 | 5.6   | 0.009                | 0.043   |
| <b>Fish and other seafood</b>                    | <b>49.0</b>           | <b>-1.2</b>                         | <b>13.1</b>                                   | <b>-0.006</b>        | <b>0.064</b>                                  |
| Fish and seafood preparations                    | 49.0                  | -1.2                                | 13.1  | -0.006               | 0.064   |
| <b>Milk, cheese and eggs</b>                     | <b>135.3</b>          | <b>0.1</b>                          | <b>13.6</b>                                   | <b>0.001</b>         | <b>0.188</b>                                  |
| Cheese   | 55.4                  | -0.7                                | 7.8   | -0.004               | 0.046   |
| Eggs   | 16.6                  | -2.2                                | 53.4  | -0.006               | 0.090   |
| Milk   | 40.0                  | 0.9                                 | 5.4   | 0.004                | 0.022   |
| Other milk products                              | 23.3                  | 3.2                                 | 13.4  | 0.007                | 0.030   |
| <b>Oils and fats</b>                             | <b>32.2</b>           | <b>2.3</b>                          | <b>17.4</b>                                   | <b>0.008</b>         | <b>0.059</b>                                  |
| Corn oil   | 2.8                   | 1.7                                 | 33.9  | 0.001                | 0.011   |
| Butter and margarine                             | 9.2                   | 2.8                                 | 11.8  | 0.003                | 0.011   |
| Other oils and fats                              | 20.1                  | 2.2                                 | 17.4  | 0.005                | 0.037   |
| <b>Fruit</b>                                     | <b>97.6</b>           | <b>2.9</b>                          | <b>14.4</b>                                   | <b>0.028</b>         | <b>0.133</b>                                  |
| Oranges  | 9.4                   | 2.6                                 | 17.6  | 0.003                | 0.022   |
| Bananas and plantains                            | 19.9                  | 8.9                                 | 33.4  | 0.014                | 0.047   |
| Apples   | 9.3                   | 3.7                                 | 12.9  | 0.004                | 0.013   |
| Avocado  | 5.0                   | -0.3                                | 20.8  | 0.000                | 0.008   |
| Grapes   | 9.2                   | -6.0                                | 1.6   | -0.005               | 0.001   |
| Nuts   | 11.9                  | 1.6                                 | 6.1   | 0.002                | 0.007   |
| Lemons and mandarins                             | 6.0                   | 5.7                                 | 22.7  | 0.002                | 0.009   |
| Cherries and strawberries                        | 8.8                   | 4.5                                 | 1.3   | 0.005                | 0.002   |
| Melons and watermelons                           | 7.7                   | 4.5                                 | 20.2  | 0.003                | 0.014   |
| Papayas and pineapples                           | 6.9                   | -1.2                                | 4.0   | -0.001               | 0.002   |
| Other fruits and fruit products                  | 3.5                   | 0.4                                 | 32.0  | 0.000                | 0.009   |
| <b>Potatoes and other tubers</b>                 | <b>18.2</b>           | <b>4.0</b>                          | <b>12.3</b>                                   | <b>0.006</b>         | <b>0.018</b>                                  |
| Potatoes   | 12.2                  | 5.0                                 | 7.9   | 0.004                | 0.007   |
| Other tubers                                     | 2.0                   | 3.1                                 | 18.7  | 0.001                | 0.004   |
| Sweet potatoes and yucca                         | 4.0                   | 2.3                                 | 20.0  | 0.001                | 0.007   |
| <b>Vegetables</b>                                | <b>89.1</b>           | <b>-2.6</b>                         | <b>8.3</b>                                    | <b>-0.021</b>        | <b>0.062</b>                                  |
| Lettuce  | 6.8                   | 10.2                                | 14.7  | 0.003                | 0.005   |
| Tomatoes   | 9.7                   | 1.1                                 | 11.0  | 0.001                | 0.010   |
| Onions and garlic                                | 18.7                  | -6.5                                | 1.7   | -0.010               | 0.003   |
| Celery and broccoli                              | 15.3                  | -11.6                               | 19.1  | -0.016               | 0.021   |
| Other vegetables                                 | 15.3                  | 0.5                                 | 7.3   | 0.001                | 0.010   |
| Other preserved or processed vegetables          | 8.4                   | 0.6                                 | 5.0   | 0.001                | 0.004   |
| Frozen vegetable mixtures                        | 14.8                  | 0.2                                 | 6.8   | 0.000                | 0.009   |
| <b>Sugar, jam, honey and other confectionery</b> | <b>42.0</b>           | <b>0.6</b>                          | <b>8.8</b>                                    | <b>0.003</b>         | <b>0.038</b>                                  |
| Sugar  | 12.1                  | -1.7                                | 9.5   | -0.002               | 0.012   |
| Jams and jellies                                 | 2.5                   | 0.3                                 | 9.1   | 0.000                | 0.002   |
| Other confectionery products                     | 27.5                  | 1.8                                 | 8.4   | 0.005                | 0.023   |
| <b>Food products n.e.c.</b>                      | <b>80.1</b>           | <b>0.5</b>                          | <b>7.0</b>                                    | <b>0.004</b>         | <b>0.057</b>                                  |
| Other food products                              | 80.1                  | 0.5                                 | 7.0   | 0.004                | 0.057   |
| <b>Non-alcoholic beverages</b>                   | <b>123.6</b>          | <b>1.3</b>                          | <b>9.6</b>                                    | <b>0.017</b>         | <b>0.120</b>                                  |
| Coffee and tea                                   | 20.9                  | 1.6                                 | 5.8   | 0.003                | 0.012   |
| Other non-alcoholic beverages                    | 14.6                  | 0.2                                 | 3.2   | 0.000                | 0.005   |
| Soft and sports drinks                           | 31.0                  | 1.1                                 | 7.0   | 0.004                | 0.023   |
| Fruit juices                                     | 57.1                  | 1.6                                 | 14.1  | 0.010                | 0.080   |
| <b>Food away from home</b>                       | <b>429.8</b>          | <b>0.4</b>                          | <b>5.9</b>                                    | <b>0.016</b>         | <b>0.267</b>                                  |
| Food and beverage consumption away from home     | 429.8                 | 0.4                                 | 5.9   | 0.016                | 0.267   |
| <b>Other goods and services</b>                  | <b>8,482.5</b>        | <b>-0.4</b>                         | <b>6.4</b>                                    | <b>-0.296</b>        | <b>5.442</b>                                  |
| Other goods                                      | 4,735.8               | -0.4                                | 10.1  | -0.178               | 4.754   |
| Other services                                   | 3,746.7               | -0.3                                | 1.8   | -0.118               | 0.688   |
| <b>CPI</b>                                       | <b>10,000</b>         | <b>-0.2</b>                         | <b>7.0</b>                                    | <b>-0.217</b>        | <b>7.019</b>                                  |

Source: Central Bureau of Statistics Aruba



APPENDIX 4

Overview of the Consumer Price Index (CPI), 2021 - 2022 (Jun 2019 = 100)

|                         | Base               |                    |                    |                    | YEAR: 2022 |              |                    |                            | YEAR: 2021 |              |                    |                            |
|-------------------------|--------------------|--------------------|--------------------|--------------------|------------|--------------|--------------------|----------------------------|------------|--------------|--------------------|----------------------------|
|                         | Base Jun-19 =100.0 | Base Jun-19 =100.0 | Base Jun-19 =100.0 | Base Jun-19 =100.0 | CHANGE     |              |                    |                            | CHANGE     |              |                    |                            |
|                         |                    |                    |                    |                    | Monthly    | Year-to date | Yearly (12 months) | Period average (24 months) | Monthly    | Year-to date | Yearly (12 months) | Period average (24 months) |
|                         | <b>Jan.'21</b>     | <b>Dec.'20</b>     | <b>Jan.'22</b>     | <b>Dec.'21</b>     |            |              |                    |                            |            |              |                    |                            |
| <u>Total Population</u> | 96.89              | 97.06              | 100.07             | 100.60             | -0.5       | -0.5         | 3.3                | 1.2                        | -0.2       | -0.2         | -2.7               | -1.8                       |
| Low Income              | 96.80              | 96.95              | 99.81              | 100.16             | -0.3       | -0.3         | 3.1                |                            | -0.2       | -0.2         | -2.4               |                            |
| High Income             | 96.91              | 97.10              | 100.17             | 100.80             | -0.6       | -0.6         | 3.4                |                            | -0.2       | -0.2         | -2.8               |                            |
|                         | <b>Feb.'21</b>     | <b>Jan.'21</b>     | <b>Feb.'22</b>     | <b>Jan.'22</b>     |            |              |                    |                            |            |              |                    |                            |
| <u>Total Population</u> | 97.00              | 96.89              | 100.44             | 100.07             | 0.4        | -0.2         | 3.5                | 1.7                        | 0.1        | -0.1         | -1.9               | -2.2                       |
| Low Income              | 96.92              | 96.80              | 100.27             | 99.81              | 0.5        | 0.1          | 3.5                |                            | 0.1        | 0.0          | -1.7               |                            |
| High Income             | 97.01              | 96.91              | 100.49             | 100.17             | 0.3        | -0.3         | 3.6                |                            | 0.1        | -0.1         | -2.1               |                            |
|                         | <b>Mar.'21</b>     | <b>Feb.'21</b>     | <b>Mar.'22</b>     | <b>Feb.'22</b>     |            |              |                    |                            |            |              |                    |                            |
| <u>Total Population</u> | 97.59              | 97.00              | 101.47             | 100.44             | 1.0        | 0.9          | 4.0                | 2.1                        | 0.6        | 0.5          | -1.1               | -2.3                       |
| Low Income              | 97.49              | 96.92              | 101.03             | 100.27             | 0.8        | 0.9          | 3.6                |                            | 0.6        | 0.6          | -0.9               |                            |
| High Income             | 97.63              | 97.01              | 101.66             | 100.49             | 1.2        | 0.9          | 4.1                |                            | 0.6        | 0.5          | -1.2               |                            |
|                         | <b>Apr.'21</b>     | <b>Mar.'21</b>     | <b>Apr.'22</b>     | <b>Mar.'22</b>     |            |              |                    |                            |            |              |                    |                            |
| <u>Total Population</u> | 97.57              | 97.59              | 102.16             | 101.47             | 0.7        | 1.5          | 4.7                | 2.6                        | -0.02      | 0.5          | -0.4               | -2.3                       |
| Low Income              | 97.52              | 97.49              | 101.62             | 101.03             | 0.6        | 1.5          | 4.2                |                            | 0.03       | 0.6          | -0.1               |                            |
| High Income             | 97.58              | 97.63              | 102.39             | 101.66             | 0.7        | 1.6          | 4.9                |                            | -0.05      | 0.5          | -0.5               |                            |
|                         | <b>May'21</b>      | <b>Apr.'21</b>     | <b>May'22</b>      | <b>Apr.'22</b>     |            |              |                    |                            |            |              |                    |                            |
| <u>Total Population</u> | 97.39              | 97.57              | 102.49             | 102.16             | 0.3        | 1.9          | 5.2                | 3.0                        | -0.2       | 0.3          | -0.2               | -2.2                       |
| Low Income              | 97.31              | 97.52              | 102.08             | 101.62             | 0.5        | 1.9          | 4.9                |                            | -0.2       | 0.4          | -0.1               |                            |
| High Income             | 97.42              | 97.58              | 102.66             | 102.39             | 0.3        | 1.8          | 5.4                |                            | -0.2       | 0.3          | -0.3               |                            |
|                         | <b>Jun'21</b>      | <b>May'21</b>      | <b>Jun'22</b>      | <b>May'22</b>      |            |              |                    |                            |            |              |                    |                            |
| <u>Total Population</u> | 98.09              | 97.39              | 103.26             | 102.49             | 0.7        | 2.6          | 5.3                | 3.4                        | 0.7        | 1.1          | 1.0                | -1.8                       |
| Low Income              | 97.94              | 97.31              | 102.91             | 102.08             | 0.8        | 2.7          | 5.1                |                            | 0.6        | 1.0          | 1.1                |                            |
| High Income             | 98.14              | 97.42              | 103.40             | 102.66             | 0.7        | 2.6          | 5.4                |                            | 0.7        | 1.1          | 0.9                |                            |
|                         | <b>Jul'21</b>      | <b>Jun'21</b>      | <b>Jul'22</b>      | <b>Jun'22</b>      |            |              |                    |                            |            |              |                    |                            |
| <u>Total Population</u> | 98.53              | 98.09              | 104.46             | 103.26             | 1.2        | 3.8          | 6.0                | 3.7                        | 0.5        | 1.5          | 1.8                | -1.4                       |
| Low Income              | 98.24              | 97.94              | 103.79             | 102.91             | 0.9        | 3.6          | 5.6                |                            | 0.3        | 1.3          | 1.3                |                            |
| High Income             | 98.65              | 98.14              | 104.76             | 103.40             | 1.3        | 3.9          | 6.2                |                            | 0.5        | 1.6          | 2.0                |                            |
|                         | <b>Aug.'21</b>     | <b>Jul'21</b>      | <b>Aug.'22</b>     | <b>Jul'22</b>      |            |              |                    |                            |            |              |                    |                            |
| <u>Total Population</u> | 98.84              | 98.53              | 106.43             | 104.46             | 1.9        | 5.8          | 7.7                | 4.3                        | 0.3        | 1.8          | 1.4                | -1.1                       |
| Low Income              | 98.61              | 98.24              | 106.46             | 103.79             | 2.6        | 6.3          | 8.0                |                            | 0.4        | 1.7          | 1.1                |                            |
| High Income             | 98.93              | 98.65              | 106.41             | 104.76             | 1.6        | 5.6          | 7.6                |                            | 0.3        | 1.9          | 1.6                |                            |
|                         | <b>Sep.'21</b>     | <b>Aug.'21</b>     | <b>Sep.'22</b>     | <b>Aug.'22</b>     |            |              |                    |                            |            |              |                    |                            |
| <u>Total Population</u> | 99.24              | 98.84              | 106.20             | 106.43             | -0.2       | 5.6          | 7.0                | 4.7                        | 0.4        | 2.2          | 2.2                | -0.7                       |
| Low Income              | 99.08              | 98.61              | 106.26             | 106.46             | -0.2       | 6.1          | 7.2                |                            | 0.5        | 2.2          | 2.0                |                            |
| High Income             | 99.30              | 98.93              | 106.16             | 106.41             | -0.2       | 5.3          | 6.9                |                            | 0.4        | 2.3          | 2.2                |                            |
|                         | <b>Oct.'21</b>     | <b>Sep.'21</b>     | <b>Oct.'22</b>     | <b>Sep.'22</b>     |            |              |                    |                            |            |              |                    |                            |
| <u>Total Population</u> | 99.31              | 99.24              |                    |                    |            |              |                    |                            | 0.1        | 2.3          | 2.4                | -0.3                       |
| Low Income              | 99.11              | 99.08              |                    |                    |            |              |                    |                            | 0.0        | 2.2          | 2.1                |                            |
| High Income             | 99.38              | 99.30              |                    |                    |            |              |                    |                            | 0.1        | 2.3          | 2.5                |                            |
|                         | <b>Nov.'21</b>     | <b>Oct.'21</b>     | <b>Nov.'22</b>     | <b>Oct.'22</b>     |            |              |                    |                            |            |              |                    |                            |
| <u>Total Population</u> | 99.90              | 99.31              |                    |                    |            |              |                    |                            | 0.6        | 2.9          | 3.1                | 0.2                        |
| Low Income              | 99.50              | 99.11              |                    |                    |            |              |                    |                            | 0.4        | 2.6          | 2.6                |                            |
| High Income             | 100.08             | 99.38              |                    |                    |            |              |                    |                            | 0.7        | 3.1          | 3.3                |                            |
|                         | <b>Dec.'21</b>     | <b>Nov.'21</b>     | <b>Dec.'22</b>     | <b>Nov.'22</b>     |            |              |                    |                            |            |              |                    |                            |
| <u>Total Population</u> | 100.60             | 99.90              |                    |                    |            |              |                    |                            | 0.7        | 3.6          | 3.6                | 0.7                        |
| Low Income              | 100.16             | 99.50              |                    |                    |            |              |                    |                            | 0.7        | 3.3          | 3.3                |                            |
| High Income             | 100.80             | 100.08             |                    |                    |            |              |                    |                            | 0.7        | 3.8          | 3.8                |                            |

## APPENDIX 5

### Prices of crude oil, utilities and gasoline, 2001 - 2022

|                     |                        | Electricity components           |                |              |                           |                          |                    |                       |                     |
|---------------------|------------------------|----------------------------------|----------------|--------------|---------------------------|--------------------------|--------------------|-----------------------|---------------------|
| Month               | Crude oil <sup>1</sup> | Total energy charge <sup>2</sup> |                |              | Fixed charge <sup>3</sup> | Electricity <sup>4</sup> | Water <sup>5</sup> | Gasoline <sup>6</sup> | Diesel <sup>6</sup> |
|                     |                        | ≤ 500 kWh                        | 501 - 1000 kWh | > 1001 kWh   |                           |                          |                    |                       |                     |
| Average 2001        | 26.01                  | 24.59                            | 22.09          | 22.09        | 0.00                      | 172.79                   | 89.40              | 128.34                | 90.10               |
| Average 2002        | 26.06                  | 24.89                            | 22.39          | 22.39        | 0.00                      | 174.91                   | 90.82              | 127.20                | 88.68               |
| Average 2003        | 34.49                  | 27.02                            | 24.52          | 24.52        | 0.00                      | 190.38                   | 99.21              | 139.21                | 100.18              |
| Average 2004        | 41.31                  | 27.18                            | 24.68          | 24.68        | 0.00                      | 191.57                   | 100.02             | 152.51                | 113.05              |
| Average 2005        | 56.36                  | 31.10                            | 28.60          | 28.60        | 0.00                      | 219.97                   | 113.69             | 167.74                | 136.04              |
| Average 2006        | 66.12                  | 35.91                            | 33.41          | 33.41        | 0.00                      | 254.88                   | 128.70             | 176.22                | 149.77              |
| Average 2007        | 72.08                  | 36.59                            | 34.09          | 34.09        | 0.00                      | 259.84                   | 133.59             | 200.43                | 168.38              |
| Average 2008        | 99.87                  | 45.67                            | 43.17          | 43.17        | 0.00                      | 325.67                   | 161.80             | 228.19                | 214.48              |
| Average 2009        | 61.46                  | 37.33                            | 34.83          | 34.83        | 0.00                      | 265.17                   | 139.60             | 175.15                | 142.53              |
| Average 2010        | 79.22                  | 43.92                            | 41.42          | 41.42        | 0.00                      | 312.98                   | 159.21             | 193.43                | 163.22              |
| Average 2011        | 94.74                  | 47.58                            | 47.57          | 47.57        | 0.00                      | 345.14                   | 177.47             | 229.48                | 203.46              |
| Average 2012        | 94.25                  | 47.68                            | 51.21          | 53.46        | 0.00                      | 353.85                   | 171.13             | 235.53                | 210.07              |
| Average 2013        | 98.00                  | 41.10                            | 44.90          | 58.40        | 0.00                      | 306.75                   | 137.05             | 229.48                | 205.83              |
| Average 2014        | 93.49                  | 42.58                            | 45.32          | 57.77        | 0.63                      | 315.71                   | 137.05             | 224.24                | 200.21              |
| Average 2015        | 48.71                  | 47.02                            | 46.56          | 55.87        | 2.50                      | 342.59                   | 137.05             | 179.74                | 147.80              |
| Average 2016        | 43.17                  | 40.40                            | 41.80          | 47.64        | 12.50                     | 308.76                   | 137.05             | 165.87                | 131.12              |
| Average 2017        | 50.85                  | 34.52                            | 35.72          | 45.93        | 12.50                     | 265.65                   | 137.05             | 180.79                | 147.69              |
| Average 2018        | 65.08                  | 34.52                            | 35.72          | 45.93        | 12.50                     | 265.65                   | 137.05             | 204.95                | 177.59              |
| Average 2019        | 56.84                  | 34.52                            | 35.72          | 45.93        | 12.50                     | 265.65                   | 137.05             | 202.67                | 176.53              |
| Average 2020        | 39.25                  | 31.09                            | 31.99          | 42.09        | 12.50                     | 240.09                   | 137.05             | 177.93                | 143.26              |
| Average 2021        | 67.78                  | 31.09                            | 31.99          | 42.09        | 12.50                     | 240.09                   | 137.05             | 223.34                | 181.95              |
| January-22          | 83.06                  | 31.09                            | 31.99          | 42.09        | 12.50                     | 240.09                   | 137.05             | 230.60                | 195.00              |
| February-22         | 91.32                  | 31.09                            | 31.99          | 42.09        | 12.50                     | 240.09                   | 137.05             | 245.70                | 214.10              |
| March-22            | 108.58                 | 31.09                            | 31.99          | 42.09        | 12.50                     | 240.09                   | 137.05             | 261.00                | 228.80              |
| April-22            | 102.29                 | 31.09                            | 31.99          | 42.09        | 12.50                     | 240.09                   | 137.05             | 291.00                | 274.50              |
| May-22              | 109.31                 | 31.09                            | 31.99          | 42.09        | 12.50                     | 240.09                   | 137.05             | 289.00                | 289.00              |
| June-22             | 115.29                 | 31.09                            | 31.99          | 42.09        | 12.50                     | 240.09                   | 137.05             | 321.20                | 290.30              |
| July-22             | 103.21                 | 31.09                            | 31.99          | 42.09        | 12.50                     | 240.09                   | 137.05             | 335.70                | 312.70              |
| August-22           | 93.74                  | 38.53                            | 39.65          | 52.16        | 12.50                     | 294.56                   | 167.75             | 293.20                | 278.50              |
| September-22        | 85.37                  | 38.53                            | 39.65          | 52.16        | 12.50                     | 294.56                   | 168.73             | 268.00                | 269.90              |
| October-22          |                        |                                  |                |              |                           |                          |                    |                       |                     |
| November-22         |                        |                                  |                |              |                           |                          |                    |                       |                     |
| December-22         |                        |                                  |                |              |                           |                          |                    |                       |                     |
| <b>Average 2022</b> | <b>99.13</b>           | <b>32.74</b>                     | <b>33.69</b>   | <b>44.33</b> | <b>12.50</b>              | <b>252.19</b>            | <b>143.98</b>      | <b>281.71</b>         | <b>261.42</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