

## Consumer Price Index, base period average June 2019

### July 2023

The Central Bureau of Statistics presents the most important findings for the Consumer Price Index (CPI) for the month of July 2023.

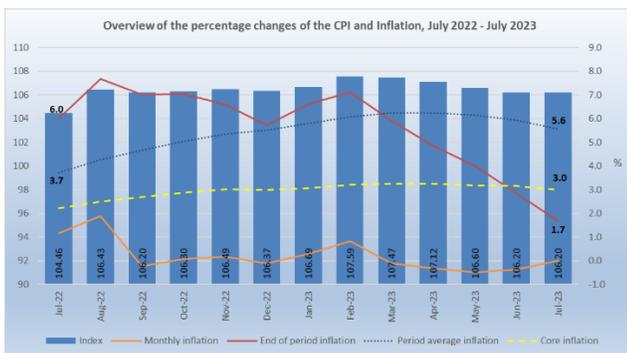


### Consumer Price Index for the month of July 2023

The CPI for July 2023 (106.20) is virtually unchanged compared to the index of June 2023 (106.20).

The percentage change of the CPI over the last twelve (12) months (July 2022 to July 2023) is 1.7, a decrease of 4.3 percentage points (ppts) compared to the percentage change for the same period of last year (6.0%).

The period average (last 24 months) percentage change of the CPI for the periods July 2021 to July 2022 and July 2022 to July 2023 is 5.6%, an increase of 1.9 ppts compared to the period average percentage change over the periods July 2020 to July 2021 and July 2021 to July 2022 (3.7%).



During this month, seven (7) of the twelve (12) sectors registered increases in prices. The increases that had the greatest influence on the CPI were registered for the “Communications” (12.9%) and “Household operation” (1.6%) sectors, which contributed with an effect of 0.97 and 0.14 ppts, respectively. The increases in the remaining sectors had an effect of 0.14 ppts on the CPI of July 2023.

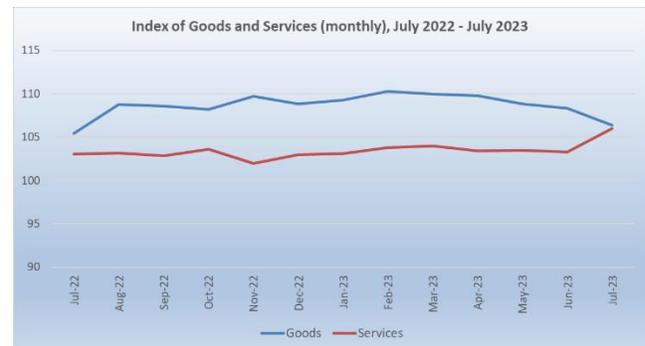
Aforementioned increases were partially offset mainly by a decrease in the index for the “Transport” (-7.9%) sector, which caused an effect of -1.12 ppts. The decreases in the remaining sectors had an effect of -0.12 ppts on the CPI of July 2023.

The increase in the “Communications” sector was due to an increase in the category “Telephone and telefax services” (14.2%), which contributed to an effect of 1.01 ppts. The increase in the “Household operation” sector was mainly due to an increase of 7.3% in the category “Furniture, furnishings, carpets and other floor coverings”, which contributed to an effect of 0.07 ppts.

The decrease in the “Transport” sector was due to a decrease in the category “Purchase of vehicles” (-22.5%), which contributed to an effect of -1.18 ppts.

### Consumption basket

The consumption basket of the CPI consists of 408 goods and services. Compared to June 2023, 49.3% of these products had an increase in price, causing an effect of 1.84 ppts, while 35.5% showed a decrease, contributing to an effect of -1.83 ppts and the remaining 15.2% had no change in price. The prices of goods decreased by 1.8% and caused an influence of -1.06 ppts. The prices of services showed an increase of 2.6% and had an influence of 1.07 ppts on the CPI of July 2023.



CPI (BASE JUN 2019 = 100)										CPI C			SUSTINENCE LEVEL	
Month	Year	Index	Monthly	Year-to-date	End of period	Period average	Goods	Services		CPIC	Energy	Food	1 adult	2 adults + 2 children
July	2023	106.20	↑ 0.0	↑ -0.2	↓ 1.7	↑ 5.6	↑ -1.8	↓ 2.6	↑	3.0	↑ 14.0	↑ 10.6	↑ 2,540	↓ 5,334
June	2023	106.20	↓ -0.4	↓ -0.2	↓ 2.8	↑ 5.9	↑ -0.5	↓ -0.2	↓	3.2	↑ 15.3	↑ 11.2	↑ 2,541	↓ 5,336
July	2022	104.46	1.2	3.8	6.0	3.7	1.6	0.5		2.2	9.5	6.1	2,440	5,124

## Core inflation

The CPIC (core inflation) - CPI excluding the effect of energy and food – was 3.0% in July 2023. The energy index - which consists of the products: electricity, water, gasoline and diesel – was 14.0%. The food index showed an increase of 10.6%.

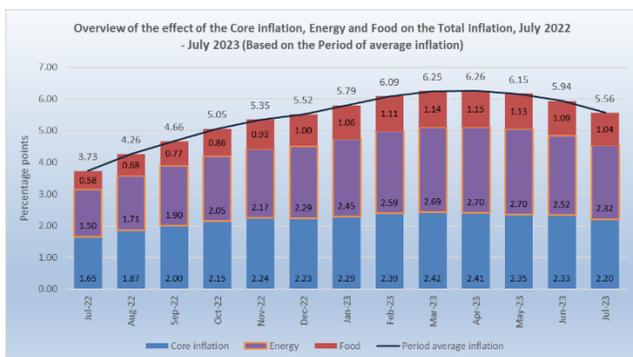
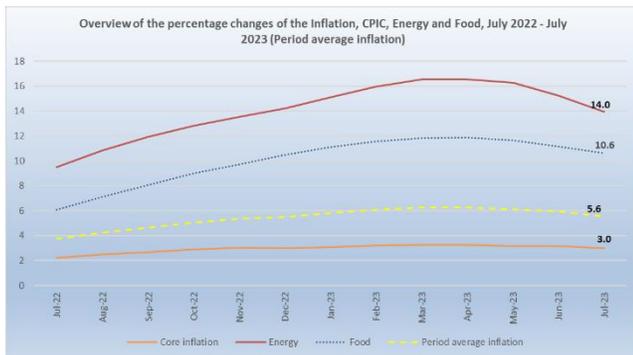
### What is CPIC?

The CPIC (core inflation) is a portion of the inflation where certain items, which have volatile price movements are excluded, such as food products and energy. When calculating the core inflation, the most volatile components are eliminated from the inflation. The core inflation index is used to assess the medium and long-term trends of the general level of prices. For purposes of economic policy-making, especially monetary policy, many economists focus on the proportion of the core inflation, as this allows a more in-depth evaluation of the recent inflation developments in the economy. The annual average of the CPI is used to calculate the CPIC.

The CPIC is calculated by comparing the average index for the most recent 12-month period compared with the preceding 12-month period.

The three main uses of a CPI are:

1. a calculation method to compensate employees due to the loss of purchasing power, adjusting their salaries, with the percentage change rate of the CPI, which is known as indexation.
2. a tool used in National Accounts to adjust components of the gross domestic product (GDP) from nominal terms to real terms. (For example, by eliminating the effect of the price changes from the consumption value)
3. a means commonly used by governments and central banks to set inflation targets.



## Subsistence level

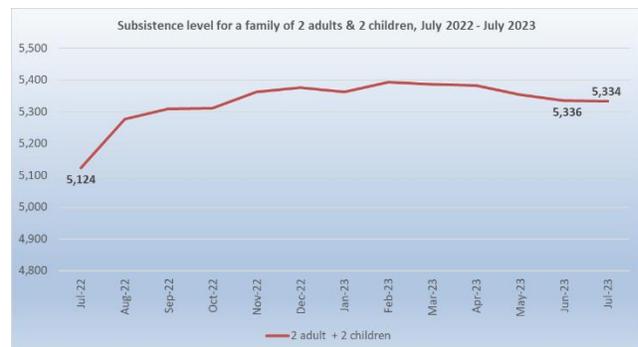
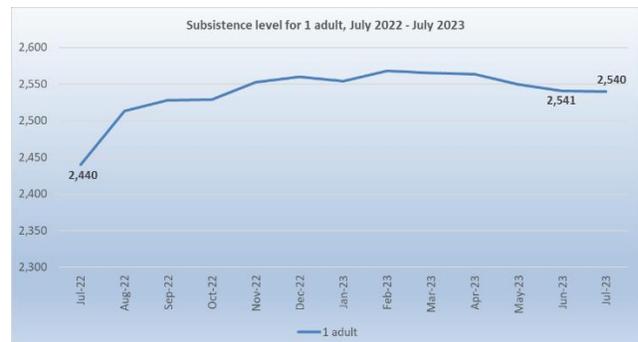
The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-15 years) in July 2023 is Afl. 5,334, a decrease of Afl. 2 compared to June 2023 (Afl. 5,336). The subsistence level for a single adult household is Afl. 2,540, a decrease of Afl. 1 compared to June 2023 (Afl. 2,541).

### What is the Subsistence level and how is it adjusted?

The CBS defines the subsistence level as the minimum level of income that is perceived as necessary for a person or family to be able to function in the society in an adequate and socially acceptable manner. When the definition of subsistence level is used, it refers in reality to a "Social subsistence level" and not the literal definition "the money needed to purchase those goods and services deemed necessary for living a life free of basic deprivation" (United Nations).

A subsistence level index was created by calculating the cost of the essential resources that an average adult consumes during a month. Each month this index is adjusted, based on the prices of food, clothing, shelter, transportation, and other items in the basket.

The current subsistence level is based on the "Subsistence level 2010" report published by the CBS in December 2010, and is updated monthly according to the CPI. The reference unit used in this report is of a household consisting of two adults and two children (0 to 14 years). The total weight of such household is 2.1 (1.0 + 0.5 + 0.3 + 0.3).



## The subsistence level in July 2023

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" 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).

In July 2023 the monthly subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) (Afl. 5,334) showed an increase of Afl. 210 compared to July 2022 (Afl. 5,124) and was mainly caused by increases of Afl. 140 and Afl. 126 in the sectors "Housing" and "Food and non-alcoholic beverages", respectively.

Table 1 Monthly subsistence level in Aruba (in Afl.) by sector for a family of 2 adults and 2 children (aged 0-14 years)

Sector	Jul-22	Jul-23	Absolute Change
Food and non-alcoholic beverages	2,112	2,238	126
Clothing and footwear	252	234	-18
Housing	1,466	1,606	140
Household operation	111	115	4
Health	79	80	1
Transport	379	321	-58
Communications	149	161	12
Recreation and culture	166	158	-8
Education	78	78	0
Miscellaneous goods and services	332	342	10
<b>Total</b>	<b>5,124</b>	<b>5,334</b>	<b>210</b>

Source: Central Bureau of Statistics Aruba

Table 2 Monthly Subsistence level in Aruba (in Afl.) by family size and composition, July 2023 (Base period Oct. 2010)

Period	Equivalence scales				
	1	1.3	1.5	1.8	2.1
	1 adult	1 adult	2 adults	2 adults	2 adults
	+ 1 child		+ 1 child + 2 children		
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
Oct-22	2,529	3,288	3,793	4,552	5,311
Nov-22	2,553	3,319	3,830	4,596	5,362
Dec-22	2,560	3,328	3,840	4,608	5,376
Jan-23	2,554	3,320	3,831	4,597	5,363
Feb-23	2,568	3,339	3,852	4,623	5,393
Mar-23	2,565	3,334	3,847	4,616	5,386
Apr-23	2,564	3,333	3,845	4,615	5,384
May-23	2,550	3,315	3,824	4,589	5,354
Jun-23	2,541	3,303	3,812	4,574	5,336
Jul-23	2,540	3,302	3,810	4,572	5,334

Source: Central Bureau of Statistics Aruba

In July 2023, the monthly subsistence level for a single adult household is Afl 2,540, which represents an income deficit of Afl. 647, an increase of Afl. 22 compared to the deficit observed one year ago (Afl. 625). This deficit is the highest registered over a period of six (6) years for the month July.

Table 3 Monthly income surplus/deficit (in Afl.) for a single adult household for July, 2018 - 2023

Period	1 adult	Minimum	
		wage	Surplus/deficit
2018	2,197	1,711	-486
2019	2,341	1,762	-579
2020	2,267	1,815	-452
2021	2,293	1,815	-478
2022	2,440	1,815	-625
2023	2,540	1,893	-647

Source: Central Bureau of Statistics Aruba

Table 4 Overview of the percentage changes of the CPI and the subsistence level, July 2022 - July 2023 (Jun 2019=100)

	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23
<b>Index CPI</b>													
CPI (Monthly)	104.46	106.43	106.20	106.30	106.49	106.37	106.69	107.59	107.47	107.12	106.60	106.20	106.20
CPI (12-month average)	101.02	101.65	102.23	102.81	103.36	103.84	104.40	104.99	105.49	105.91	106.25	106.49	106.64
<b>Percentage changes</b>													
Monthly	1.2	1.9	-0.2	0.1	0.2	-0.1	0.3	0.8	-0.1	-0.3	-0.5	-0.4	0.0
Year-to-date	3.8	5.8	5.6	5.7	5.8	5.7	0.3	1.1	1.0	0.7	0.2	-0.2	-0.2
End of period	6.0	7.7	7.0	7.0	6.6	5.7	6.6	7.1	5.9	4.9	4.0	2.8	1.7
Period average	3.7	4.3	4.7	5.1	5.3	5.5	5.8	6.1	6.2	6.3	6.1	5.9	5.6
<b>Index Goods</b>													
Goods (Monthly)	105.46	108.79	108.58	108.22	109.72	108.82	109.27	110.31	109.96	109.78	108.82	108.30	106.4
Goods (12-month average)	100.27	101.22	102.08	102.97	103.92	104.69	105.55	106.48	107.24	107.93	108.46	108.84	108.9
<b>Percentage changes</b>													
Monthly	1.6	3.2	-0.2	-0.3	1.4	-0.8	0.4	0.9	-0.3	-0.2	-0.9	-0.5	-1.8
Year-to-date	5.9	9.2	9.0	8.7	10.2	9.3	0.4	1.4	1.0	0.9	0.0	-0.5	-2.3
End of period	8.7	11.7	10.5	10.9	11.7	9.3	10.3	11.3	9.1	8.1	6.2	4.4	0.9
Period average	5.0	5.8	6.4	7.1	7.8	8.1	8.6	9.2	9.5	9.7	9.6	9.3	8.6
<b>Index Services</b>													
Services (Monthly)	103.06	103.14	102.88	103.61	101.97	102.96	103.09	103.80	104.00	103.40	103.51	103.27	106.0
Services (12-month average)	102.06	102.26	102.44	102.60	102.58	102.66	102.79	102.92	103.05	103.09	103.17	103.23	103.5
<b>Percentage changes</b>													
Monthly	0.5	0.1	-0.3	0.7	-1.6	1.0	0.1	0.7	0.2	-0.6	0.1	-0.2	2.6
Year-to-date	1.0	1.1	0.9	1.6	0.0	0.9	0.1	0.8	1.0	0.4	0.5	0.3	2.9
End of period	2.4	2.3	2.3	1.9	-0.2	0.9	1.6	1.5	1.5	0.4	0.9	0.7	2.8
Period average	2.1	2.2	2.3	2.3	2.1	2.0	2.0	2.0	1.8	1.6	1.4	1.3	1.4
<b>Indices CPIC, Energy &amp; Food</b>													
CPIC (12-month average)	100.52	100.82	101.09	101.40	101.65	101.83	102.11	102.45	102.73	102.98	103.20	103.41	103.5
Energy (12-month average)	102.51	104.45	106.16	107.70	109.28	110.74	112.20	113.69	114.93	115.88	116.55	116.77	116.8
Food (12-month average)	102.28	103.31	104.33	105.39	106.47	107.61	108.68	109.69	110.63	111.44	112.14	112.67	113.2
<b>Percentage changes</b>													
CPIC (Period average)	2.2	2.5	2.7	2.9	3.0	3.0	3.1	3.2	3.3	3.3	3.2	3.2	3.0
Energy (Period average)	9.5	10.8	11.9	12.8	13.5	14.2	15.1	16.0	16.5	16.5	16.3	15.3	14.0
Food (Period average)	6.1	7.1	8.0	9.0	9.7	10.5	11.1	11.6	11.9	11.9	11.7	11.2	10.6
<b>Subsistence level (Monthly)</b>													
1 adult	2,440	2,513	2,528	2,529	2,553	2,560	2,554	2,568	2,565	2,564	2,550	2,541	2,540
2 adults + 2 children	5,124	5,278	5,309	5,311	5,362	5,376	5,363	5,393	5,386	5,384	5,354	5,336	5,334
<b>Changes in Afl</b>													
1 adult (Monthly)	26	73	15	1	24	7	-6	14	-3	-1	-14	-9	-1
1 adult (Yearly)	147	219	224	218	222	223	211	220	193	182	147	127	100
2 adults + 2 children (Monthly)	54	154	31	2	51	14	-13	30	-7	-2	-30	-18	-2
2 adults + 2 children (Yearly)	309	461	470	457	466	469	443	462	406	381	308	266	210

Source: Central Bureau of Statistics Aruba

Table 5 Percentage change by sector

Sector	Weight coefficient	Effect Jun - Jul	Percentage changes			
			Monthly Jun - Jul	Year-to-date Dec - Jul	End of period Jul 22 - Jul 23	Period average Jul 21/22 - Jul 22/23
<b>CPI</b>	<b>10,000.0</b>	<b>0.01</b>	<b>0.0</b>	<b>-0.2</b>	<b>1.7</b>	<b>5.6</b>
01. Food and non-alcoholic beverages	1,087.7	0.06	0.5	0.3	6.0	10.6
02. Alcoholic beverages and tobacco	78.2	0.00	-0.1	3.9	5.1	5.2
03. Clothing and footwear	276.8	-0.04	-1.6	-10.1	-7.3	-2.3
04. Housing	2,522.2	0.03	0.1	-1.4	9.6	11.3
05. Household operation	929.2	0.14	1.6	4.4	4.0	4.6
06. Health	223.1	-0.08	-3.9	-2.3	1.9	3.9
07. Transport	1,257.4	-1.12	-7.9	-5.8	-15.4	6.0
08. Communications	849.6	0.97	12.9	15.5	7.7	-3.9
09. Recreation and culture	1,013.3	0.00	0.0	-7.0	-5.1	0.4
10. Education	98.0	0.00	0.0	0.3	0.3	0.2
11. Restaurants and hotels	442.0	0.04	0.9	2.8	7.8	7.2
12. Miscellaneous goods and services	1,222.6	0.02	0.1	2.4	3.2	2.0

Source: Central Bureau of Statistics Aruba

Table 6 Categories with the greatest positive effect on the CPI of July 2023

Category	Monthly change	Effect
Telephone and telefax services	14.2	1.01
Furniture, furnishings, carpets and other floor coverings	7.3	0.07
Audio-visual, photographic and information processing equipment	11.5	0.04
Catering services	0.9	0.04
Operation of personal transport equipment	0.5	0.04
Household appliances	1.6	0.04

Source: Central Bureau of Statistics Aruba

Table 7 Categories with the greatest negative effect on the CPI of July 2023

Category	Monthly change	Effect
Purchase of vehicles	-22.5	-1.18
Medical products, appliances and equipment	-7.0	-0.10
Other recreational items and equipment; gardens and pets	-2.6	-0.07
Footwear	-9.3	-0.05
Telephone and telefax equipment	-10.7	-0.04

Source: Central Bureau of Statistics Aruba

## Change in prices of crude oil, utilities, gasoline and diesel in July 2023

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In July 2023 the average price per barrel of crude oil (US\$ 77.57) had an increase of US\$ 5.45 (7.8%) compared to June 2023 (US\$ 70.12).

The prices of electricity and water did not change compared to June 2023. Subsequently, the average electricity price per household remained at Afl. 274.57, while the average price of water per household remained at Afl. 168.73.

July 2023 the price of gasoline registered a slight increase of Afl. 0.50 cents (0.2%) and had an effect of 0.01 ppt on the CPI. The price of diesel registered an increase of Afl. 3.40 cents (1.6%) and had an effect of 0.01 ppt on the CPI of July 2023.

In July 2023, utilities, gasoline and diesel as a group, showed an increase in price of 0.1% compared to June 2023, and had an influence of 0.01 ppt on the CPI, while the remaining 404 goods and services, as a group, show a slight decrease of 0.01% and had an effect of -0.01 ppts on the CPI.

Table 9 Effect on the CPI of July 2023 of goods and services which are dependent on crude oil prices

Category	Weight	Monthly		Yearly	
		Change	Effect	Change	Effect
Electricity	810.2	0.0	0.00	14.4	1.01
Gasoline	430.5	0.2	0.01	-23.6	-1.56
Water	367.3	0.0	0.00	23.1	0.81
Diesel	30.2	1.6	0.01	-32.0	-0.16
Total group	1,638.1	0.1	0.01	0.6	0.10
Remaining goods and services	8,361.9	-0.01	-0.01	1.9	1.57
CPI	10,000.0	0.0	0.01	1.7	1.67

Source: Central Bureau of Statistics Aruba

Table 8 Prices of crude oil, utilities, gasoline and diesel, 2022 - 2023

Month	2022							2023						
	Crude oil	Total energy charge		Electricity	Water	Gasoline	Diesel	Crude oil	Total energy charge		Electricity	Water	Gasoline	Diesel
		≤ 500 kWh	501-1000 kWh						≤ 500 kWh	501-1000 kWh				
January	83.06	31.09	31.99	240.09	137.05	230.60	195.00	78.01	38.53	39.65	294.56	168.73	243.80	246.60
February	91.32	31.09	31.99	240.09	137.05	245.70	214.10	76.99	38.53	39.65	294.56	168.73	262.50	260.30
March	108.58	31.09	31.99	240.09	137.05	261.00	228.80	73.51	38.53	39.65	294.56	168.73	257.60	234.80
April	102.29	31.09	31.99	240.09	137.05	291.00	274.50	79.51	38.53	39.65	294.56	168.73	262.40	231.50
May	109.31	31.09	31.99	240.09	137.05	289.00	289.00	71.86	35.80	36.84	274.57	168.73	266.70	221.50
June	115.29	31.09	31.99	240.09	137.05	321.20	290.30	70.12	35.80	36.84	274.57	168.73	255.90	209.10
July	103.21	31.09	31.99	240.09	137.05	335.70	312.70	75.57	35.80	36.84	274.57	168.73	256.40	212.50
August	93.74	38.53	39.65	294.56	167.75	293.20	278.50							
September	85.37	38.53	39.65	294.56	168.73	268.00	269.90							
October	87.61	38.53	39.65	294.56	168.73	254.90	259.40							
November	85.08	38.53	39.65	294.56	168.73	269.10	284.80							
December	76.80	38.53	39.65	294.56	168.73	251.40	261.00							
<b>Yearly Average</b>	<b>95.14</b>	<b>34.19</b>	<b>35.18</b>	<b>262.78</b>	<b>150.17</b>	<b>275.90</b>	<b>263.17</b>	<b>75.08</b>	<b>37.36</b>	<b>38.45</b>	<b>286.00</b>	<b>168.73</b>	<b>257.90</b>	<b>230.90</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 July 2023

The “Food & catering services” index showed an increase of 0.6% in July 2023, after a decrease of 0.3% in June 2023. The index for “Food at home” showed an increase of 0.5% in July, as seven (7) of the eleven (11) “Food at home” indices increased in July 2023. The “Potatoes and other tubers” index registered the largest increase (7.8%) in July 2023. Furthermore, other significant increases were posted in the indices for “Sugar, jam, honey and other confectionery” (3.0%), “Vegetables” (1.9%) and “Non-alcoholic beverages” (1.7%). The largest decrease was registered in the index for “Fruit” (-3.2%) in July 2023.

The index for “Food away from home” increased by 0.9% in July 2023.

In July 2023, “Food at home” and “Food away from home” as a group showed an increase in price of 0.6% compared to June 2023, and had an effect of 0.10 pts on the CPI, while the remaining goods and services, as a group, experienced a decrease in price of 0.1%, causing an effect of -0.09 pts on the CPI.

Table 11 Effect on the CPI of July 2023 of Food at home and Food away from home

Category	Weight	Monthly change	Effect
<i>Food at home</i>	1,087.7	0.5	0.05
<i>Food away from home</i>	429.8	0.9	0.04
<i>Total group</i>	1,517.5	0.6	0.10
<i>Remaining goods and services</i>	8,482.5	-0.1	-0.09
<i>CPI</i>	10,000.0	0.0	0.01

Source: Central Bureau of Statistics Aruba

Table 10 Percentage change for Food & catering services

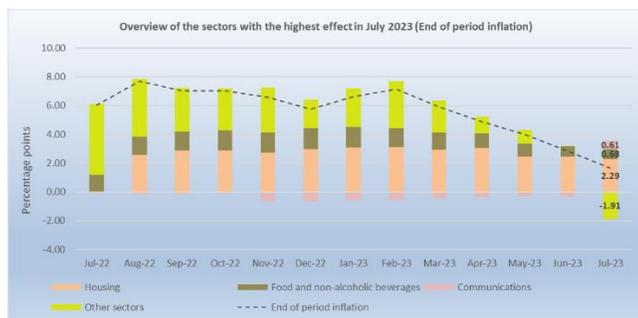
	Weight coefficient	Indices			Percentage changes			Effect	
		Jul-22	Jun-23	Jul-23	Monthly May - Jun	Monthly Jun - Jul	End of period Jul 22 - Jul 23	Monthly Jun - Jul	End of period Jul 22 - Jul 23
<b>Food &amp; catering services</b>	<b>1,517.5</b>	<b>108.62</b>	<b>115.09</b>	<b>115.77</b>	<b>-0.3</b>	<b>0.6</b>	<b>6.6</b>	<b>0.098</b>	<b>1.039</b>
<b>Food at home</b>	<b>1,087.7</b>	<b>108.15</b>	<b>114.10</b>	<b>114.63</b>	<b>-0.4</b>	<b>0.5</b>	<b>6.0</b>	<b>0.055</b>	<b>0.675</b>
<i>Bread and cereals</i>	178.1	107.78	118.41	118.26	0.6	-0.1	9.7	-0.003	0.179
<i>Meat</i>	242.5	115.40	117.02	116.73	-0.7	-0.3	1.1	-0.007	0.031
<i>Fish and other seafood</i>	49.0	110.12	110.95	110.85	-1.1	-0.1	0.7	0.000	0.003
<i>Milk, cheese and eggs</i>	135.3	113.28	120.74	122.71	-1.4	1.6	8.3	0.025	0.122
<i>Oils and fats</i>	32.2	119.48	124.37	125.01	-0.9	0.5	4.6	0.002	0.017
<i>Fruit</i>	97.6	102.41	103.01	99.73	-2.2	-3.2	-2.6	-0.030	-0.025
<i>Potatoes and other tubers</i>	18.2	90.04	81.83	88.21	0.0	7.8	-2.0	0.011	-0.003
<i>Vegetables</i>	89.1	87.86	94.28	96.11	-0.8	1.9	9.4	0.015	0.070
<i>Sugar, jam, honey and other confectionery</i>	42.0	108.57	119.00	122.56	1.2	3.0	12.9	0.014	0.056
<i>Food products n.e.c.</i>	80.1	106.41	118.17	118.73	1.0	0.5	11.6	0.004	0.094
<i>Non-alcoholic beverages</i>	123.6	107.89	116.92	118.90	0.0	1.7	10.2	0.023	0.034
<b>Food away from home</b>	<b>429.8</b>	<b>109.81</b>	<b>117.60</b>	<b>118.65</b>	<b>0.1</b>	<b>0.9</b>	<b>8.1</b>	<b>0.043</b>	<b>0.364</b>
<b>Other goods and services</b>	<b>8,482.5</b>	<b>103.72</b>	<b>104.61</b>	<b>104.49</b>	<b>-0.4</b>	<b>-0.1</b>	<b>0.7</b>	<b>-0.091</b>	<b>0.631</b>
<i>Other goods</i>	4,735.8	104.84	106.97	104.46	-0.5	-2.3	-0.4	-1.116	-0.173
<i>Other services</i>	3,746.7	102.29	101.62	104.53	-0.3	2.9	2.2	1.025	0.804
<b>CPI</b>	<b>10,000.0</b>	<b>104.46</b>	<b>106.20</b>	<b>106.20</b>	<b>-0.4</b>	<b>0.0</b>	<b>1.7</b>	<b>0.007</b>	<b>1.670</b>

Source: Central Bureau of Statistics Aruba

## CPI for the period July 2022 – July 2023

### Consumer Price Index

Over the last 12 months, the CPI increased by 1.7%. Nine (9) of the twelve (12) sectors registered increases in prices. The increases that had the greatest influence on the CPI were registered for the “Housing” (9.6%), “Food and non-alcoholic beverages” (6.0%), “Communications” (7.7%), and “Miscellaneous goods and services” (3.2%) sectors, which contributed with an effect of 2.29, 0.68, 0.61 and 0.37 ppts, respectively. The increases in the remaining sectors had an effect of 0.80 ppts on the CPI of July 2022 - July 2023.



Aforementioned increases were partially offset mainly by decreases in the indices for the “Transport” (-15.4%) and “Recreation and culture” (-5.1%) sectors, causing an effect of -2.41 and -0.49 ppts, respectively.

The increase in the “Housing” sector was mainly due to increases in the categories “Electricity, gas and other fuels” (15.0%) and “Water supply and miscellaneous services relating to the dwelling” (19.1%), which contributed to an effect of respectively, 1.09 and 0.87 ppts. The increase in the “Food and non-alcoholic beverages” sector was mainly due to an increase in the category “Food” (5.5%), which contributed to an effect of 0.55 ppts. The increase in the “Communications” sector was mainly due to an increase in the category “Telephone and telefax services” (7.9%), which contributed to an effect of 0.60 ppts. The increase in the “Miscellaneous goods and services” sector was mainly due to an increase of 5.3% in the category “Personal care”, which contributed to an effect of 0.21 ppts.

The decrease in the “Transport” sector was mainly due to a decrease in the category “Operation of personal transport equipment” (-14.8%), which contributed to an effect of -1.51 ppts. The decrease in the “Recreation and culture” sector was mainly due to a decrease of 12.7% in the category “Holidays”, which contributed to an effect of -0.36 ppts.

### Consumption basket

Over the last year 61.3% of the products in the consumption basket had an increase in price, causing an effect of 6.38 ppts, while 31.4% showed a decrease, contributing to an effect of -4.71 ppts and the remaining 7.4% had no change in price. The prices of goods increased by 0.9% and caused an influence of 0.50 ppts. The prices of services showed an increase of 2.8% and had an influence of 1.17 ppts.

### Subsistence level

Over the last 12 months, the subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-15 years) registered an increase of Afl. 210, from Afl. 5,124 in July 2022 to Afl. 5,334 in July 2023. This increase was mainly due to increases in the “Housing” (Afl. 140) and “Food and non-alcoholic beverages” (Afl. 126) sectors.

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

The average price per barrel of crude oil registered a decrease of US\$ 27.64 (-26.8%) from US\$ 103.21 in July 2022 to US\$ 75.57 in July 2023.

The energy index increased by 0.6% over the past 12 months and had an influence of 0.10 ppts. The indices of “Gasoline” (-23.6%) and “Diesel” (-32.0%) registered decreases over the last year, contributing with an effect of -1.56 and -0.16 ppts, respectively. The indices of “Electricity” (14.4%) and “Water” (23.1%) registered increases over the last year, contributing with an effect of 1.01 and 0.81 ppts, respectively. The remaining 404 goods and services, as a group, show an increase of 1.9% and had an effect of 1.57 ppts on the CPI.

### Change in prices of Food & catering services

Over the last 12 months, the “Food & catering services” increased by 6.6%. The “Food at home” index showed an increase of 6.0%, where nine (9) of the “Food at home” food groups increased over the period.

The “Sugar, jam, honey and other confectionery” index increased by 12.9%, the largest increase among the “Food at home” food groups. Furthermore, other significant increases were posted in the indices for “Food products n.e.c.” (11.6%), “Non-alcoholic beverages” (10.2%), “Bread and cereals” (9.7%), “Vegetables” (9.4%), “Milk, cheese and eggs” (8.3%), “Oils and fats” (4.6%) and “Meat” (1.1%). The largest decrease was registered in the index for “Fruit” (-2.6%) in July 2023

The index for “Food away from home” increased by 8.1% over the last 12 months.

APPENDIX 1

Monthly & Yearly Changes (%) in the Consumer Price Index for July 2023, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	2022 Jul	2022 Dec	2023 Jun	2023 Jul	Monthly Jun - Jul	Ytd Dec - Jul	End of period Jul 22 - Jul 23 12 months	Period average Jul 21/22 - Jul 22/23 24 months
<b>Food and non-alcoholic beverages</b>	<b>1,087.7</b>	<b>108.15</b>	<b>114.32</b>	<b>114.10</b>	<b>114.63</b>	<b>0.5</b>	<b>0.3</b>	<b>6.0</b>	<b>10.6</b>
Food	964.1	108.18	114.32	113.74	114.08	0.3	-0.2	5.5	10.6
Non-alcoholic beverages	123.6	107.89	114.36	116.92	118.90	1.7	4.0	10.2	10.3
<b>Alcoholic beverages and tobacco</b>	<b>78.2</b>	<b>105.07</b>	<b>106.28</b>	<b>110.50</b>	<b>110.42</b>	<b>-0.1</b>	<b>3.9</b>	<b>5.1</b>	<b>5.2</b>
Alcoholic beverages for consumption at home	62.2	104.12	105.75	108.86	108.77	-0.1	2.9	4.5	5.2
Tobacco	16.0	108.76	108.32	116.84	116.84	0.0	7.9	7.4	4.9
<b>Clothing and footwear</b>	<b>276.8</b>	<b>92.46</b>	<b>95.40</b>	<b>87.16</b>	<b>85.72</b>	<b>-1.6</b>	<b>-10.1</b>	<b>-7.3</b>	<b>-2.3</b>
Clothing	212.8	94.17	98.09	87.01	87.59	0.7	-10.7	-7.0	-2.8
Footwear	64.0	86.78	86.46	87.64	79.51	-9.3	-8.0	-8.4	-0.5
<b>Housing</b>	<b>2,522.2</b>	<b>99.28</b>	<b>110.31</b>	<b>108.66</b>	<b>108.76</b>	<b>0.1</b>	<b>-1.4</b>	<b>9.6</b>	<b>11.3</b>
Actual rentals for housing	666.7	104.69	105.34	106.13	106.26	0.1	0.9	1.5	1.5
Imputed rentals for housing	34.4	92.43	94.59	94.59	94.59	0.0	0.0	2.3	-1.3
Maintenance and repair of the dwelling	517.0	103.96	106.52	108.12	108.47	0.3	1.8	4.3	4.6
Water supply and miscellaneous services relating to the dwelling	463.6	102.28	120.59	121.83	121.83	0.0	1.0	19.1	18.8
Electricity, gas and other fuels	840.4	90.72	111.55	104.30	104.30	0.0	-6.5	15.0	20.7
<b>Household operation</b>	<b>929.2</b>	<b>99.48</b>	<b>99.17</b>	<b>101.86</b>	<b>103.50</b>	<b>1.6</b>	<b>4.4</b>	<b>4.0</b>	<b>4.6</b>
Furniture, furnishings, carpets and other floor coverings	128.8	72.69	81.61	79.81	85.62	7.3	4.9	17.8	8.7
Household textiles	58.6	76.89	75.62	73.08	74.76	2.3	-1.1	-2.8	-3.0
Household appliances	246.0	105.75	99.86	100.03	101.64	1.6	1.8	-3.9	5.6
Glassware, tableware and household utensils	17.2	74.56	78.74	60.55	57.60	-4.9	-26.9	-22.8	-5.4
Tools and equipment for house and garden	58.2	134.60	130.46	147.75	151.62	2.6	16.2	12.6	6.2
Goods and services for routine household maintenance and cleaning	420.5	103.34	103.93	109.03	109.29	0.2	5.2	5.8	4.0
<b>Health</b>	<b>223.1</b>	<b>95.80</b>	<b>99.92</b>	<b>101.60</b>	<b>97.63</b>	<b>-3.9</b>	<b>-2.3</b>	<b>1.9</b>	<b>3.9</b>
Medical products, appliances and equipment	152.3	92.55	97.77	100.24	93.23	-7.0	-4.6	0.7	3.0
Out-patient services	52.4	104.37	105.35	106.20	108.01	1.7	2.5	3.5	8.0
Other treatments	7.8	98.40	99.18	99.71	101.54	1.8	2.4	3.2	5.4
Health products and services n.e.c.	10.5	98.11	104.45	99.82	106.55	6.7	2.0	8.6	-3.4
<b>Transport</b>	<b>1,257.4</b>	<b>130.24</b>	<b>117.02</b>	<b>119.71</b>	<b>110.23</b>	<b>-7.9</b>	<b>-5.8</b>	<b>-15.4</b>	<b>6.0</b>
Purchase of vehicles	442.6	116.12	119.92	126.27	97.91	-22.5	-18.3	-15.7	14.3
Operation of personal transport equipment	763.3	139.56	116.38	118.29	118.89	0.5	2.2	-14.8	2.1
Transport services	51.5	113.50	101.58	84.27	87.79	4.2	-13.6	-22.6	-1.2
<b>Communications</b>	<b>849.6</b>	<b>97.87</b>	<b>91.24</b>	<b>93.34</b>	<b>105.42</b>	<b>12.9</b>	<b>15.5</b>	<b>7.7</b>	<b>-3.9</b>
Telephone and telefax equipment	43.8	76.88	71.55	89.54	79.92	-10.7	11.7	4.0	-5.6
Telephone and telefax services	805.8	99.01	92.31	93.54	106.80	14.2	15.7	7.9	-3.8
<b>Recreation and culture</b>	<b>1,013.3</b>	<b>99.64</b>	<b>101.62</b>	<b>94.55</b>	<b>94.55</b>	<b>0.0</b>	<b>-7.0</b>	<b>-5.1</b>	<b>0.4</b>
Audio-visual, photographic and information processing equipment	58.5	105.10	90.91	70.23	78.28	11.5	-13.9	-25.5	-12.5
Other major durables for recreation and culture	20.0	100.78	85.51	94.61	95.34	0.8	11.5	-5.4	-2.4
Other recreational items and equipment; gardens and pets	266.6	103.50	109.89	108.25	105.45	-2.6	-4.0	1.9	6.8
Recreational and cultural services	309.1	101.93	102.19	102.26	101.48	-0.8	-0.7	-0.4	0.2
Newspapers, books and stationery	43.7	93.78	85.10	88.26	91.54	3.7	7.6	-2.4	7.6
Holidays	315.4	93.84	99.36	80.79	81.95	1.4	-17.5	-12.7	-3.4
<b>Education</b>	<b>98.0</b>	<b>104.79</b>	<b>104.79</b>	<b>105.12</b>	<b>105.12</b>	<b>0.0</b>	<b>0.3</b>	<b>0.3</b>	<b>0.2</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	0.0
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	120.00	120.00	0.0	12.5	12.5	7.3
<b>Restaurants and hotels</b>	<b>442.0</b>	<b>108.21</b>	<b>113.51</b>	<b>115.65</b>	<b>116.69</b>	<b>0.9</b>	<b>2.8</b>	<b>7.8</b>	<b>7.2</b>
Catering services	429.8	109.81	113.82	117.60	118.65	0.9	4.2	8.1	7.1
Accommodation services	12.2	52.04	102.82	47.21	47.60	0.8	-53.7	-8.5	11.0
<b>Miscellaneous goods and services</b>	<b>1,222.6</b>	<b>100.58</b>	<b>101.36</b>	<b>103.63</b>	<b>103.77</b>	<b>0.1</b>	<b>2.4</b>	<b>3.2</b>	<b>2.0</b>
Personal care	427.1	97.96	99.67	103.35	103.11	-0.2	3.5	5.3	3.3
Personal effects n.e.c.	106.6	94.52	96.61	101.70	104.28	2.5	7.9	10.3	3.6
Social protection	78.2	126.67	126.67	133.33	133.33	0.0	5.3	5.3	5.9
Insurance	610.7	100.14	100.14	100.36	100.36	0.0	0.2	0.2	0.1
<b>CPI</b>	<b>10,000.0</b>	<b>104.46</b>	<b>106.37</b>	<b>106.20</b>	<b>106.20</b>	<b>0.0</b>	<b>-0.2</b>	<b>1.7</b>	<b>5.6</b>

Source: Central Bureau of Statistics Aruba

The Period average (last 24 months) change is calculated by comparing the average index for the most recent 12-month period compared with the average index of the preceding 12-month period.

APPENDIX 2

Effect on the Consumer Price Index per sector and category for July 2023, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly Jun - Jul	Ytd Dec - Jul	End of period Jul 22 - Jul 23 12 months	Period average Jul 21/22 - Jul 22/23 24 months
<b>Food and non-alcoholic beverages</b>	<b>1,087.7</b>	<b>0.05</b>	<b>0.03</b>	<b>0.68</b>	<b>1.17</b>
Food	964.1	0.03	-0.02	0.55	1.04
Non-alcoholic beverages	123.6	0.02	0.05	0.13	0.13
<b>Alcoholic beverages and tobacco</b>	<b>78.2</b>	<b>0.00</b>	<b>0.03</b>	<b>0.04</b>	<b>0.04</b>
Alcoholic beverages for consumption at home	62.2	0.00	0.02	0.03	0.03
Tobacco	16.0	0.00	0.01	0.01	0.01
<b>Clothing and footwear</b>	<b>276.8</b>	<b>-0.04</b>	<b>-0.25</b>	<b>-0.18</b>	<b>-0.06</b>
Clothing	212.8	0.01	-0.21	-0.13	-0.06
Footwear	64.0	-0.05	-0.04	-0.04	0.00
<b>Housing</b>	<b>2,522.2</b>	<b>0.03</b>	<b>-0.37</b>	<b>2.29</b>	<b>2.78</b>
Actual rentals for housing	666.7	0.01	0.06	0.10	0.10
Imputed rentals for housing	34.4	0.00	0.00	0.01	0.00
Maintenance and repair of the dwelling	517.0	0.02	0.09	0.22	0.24
Water supply and miscellaneous services relating to the dwelling	463.6	0.00	0.05	0.87	0.88
Electricity, gas and other fuels	840.4	0.00	-0.57	1.09	1.56
<b>Household operation</b>	<b>929.2</b>	<b>0.14</b>	<b>0.38</b>	<b>0.36</b>	<b>0.42</b>
Furniture, furnishings, carpets and other floor coverings	128.8	0.07	0.05	0.16	0.09
Household textiles	58.6	0.01	0.00	-0.01	-0.01
Household appliances	246.0	0.04	0.04	-0.10	0.14
Glassware, tableware and household utensils	17.2	0.00	-0.03	-0.03	-0.01
Tools and equipment for house and garden	58.2	0.02	0.12	0.09	0.05
Goods and services for routine household maintenance and cleaning	420.5	0.01	0.21	0.24	0.17
<b>Health</b>	<b>223.1</b>	<b>-0.08</b>	<b>-0.05</b>	<b>0.04</b>	<b>0.08</b>
Medical products, appliances and equipment	152.3	-0.10	-0.06	0.01	0.04
Out-patient services	52.4	0.01	0.01	0.02	0.04
Other treatments	7.8	0.00	0.00	0.00	0.00
Health products and services n.e.c.	10.5	0.01	0.00	0.01	0.00
<b>Transport</b>	<b>1,257.4</b>	<b>-1.12</b>	<b>-0.80</b>	<b>-2.41</b>	<b>0.83</b>
Purchase of vehicles	442.6	-1.18	-0.92	-0.77	0.66
Operation of personal transport equipment	763.3	0.04	0.18	-1.51	0.18
Transport services	51.5	0.02	-0.07	-0.13	-0.01
<b>Communications</b>	<b>849.6</b>	<b>0.97</b>	<b>1.13</b>	<b>0.61</b>	<b>-0.32</b>
Telephone and telefax equipment	43.8	-0.04	0.03	0.01	-0.02
Telephone and telefax services	805.8	1.01	1.10	0.60	-0.30
<b>Recreation and culture</b>	<b>1,013.3</b>	<b>0.00</b>	<b>-0.67</b>	<b>-0.49</b>	<b>0.04</b>
Audio-visual, photographic and information processing equipment	58.5	0.04	-0.07	-0.15	-0.07
Other major durables for recreation and culture	20.0	0.00	0.02	-0.01	0.00
Other recreational items and equipment; gardens and pets	266.6	-0.07	-0.11	0.05	0.18
Recreational and cultural services	309.1	-0.02	-0.02	-0.01	0.01
Newspapers, books and stationery	43.7	0.01	0.03	-0.01	0.03
Holidays	315.4	0.03	-0.52	-0.36	-0.10
<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>0.04</b>	<b>0.13</b>	<b>0.36</b>	<b>0.33</b>
Catering services	429.8	0.04	0.20	0.36	0.33
Accommodation services	12.2	0.00	-0.06	-0.01	0.01
<b>Miscellaneous goods and services</b>	<b>1,222.6</b>	<b>0.02</b>	<b>0.28</b>	<b>0.37</b>	<b>0.24</b>
Personal care	427.1	-0.01	0.14	0.21	0.14
Personal effects n.e.c.	106.6	0.03	0.08	0.10	0.04
Social protection	78.2	0.00	0.05	0.05	0.06
Insurance	610.7	0.00	0.01	0.01	0.01
<b>CPI</b>	<b>10,000.0</b>	<b>0.01</b>	<b>-0.16</b>	<b>1.67</b>	<b>5.56</b>

Source: Central Bureau of Statistics Aruba

APPENDIX 3

Monthly & Yearly Changes (%) and effect in the Food & catering services for July 2023, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly Jun - Jul	End of period Jul 22 - Jul 23 12 months	Monthly Jun - Jul	End of period Jul 22 - Jul 23 12 months
<b>Food &amp; catering services</b>	<b>1,517.5</b>	<b>0.6</b>	<b>6.6</b>	<b>0.098</b>	<b>1.039</b>
<b>Food at home</b>	<b>1,087.7</b>	<b>0.5</b>	<b>6.0</b>	<b>0.055</b>	<b>0.675</b>
<b>Bread and cereals</b>	<b>178.1</b>	<b>-0.1</b>	<b>9.7</b>	<b>-0.003</b>	<b>0.179</b>
Rice	23.5	-1.2	23.6	-0.004	0.059
Bread	72.1	0.2	3.4	0.002	0.027
Pasta products	9.2	-0.8	11.4	-0.001	0.011
Other cereals and cereal products	73.3	0.0	11.7	0.000	0.081
<b>Meat</b>	<b>242.5</b>	<b>-0.3</b>	<b>1.1</b>	<b>-0.007</b>	<b>0.031</b>
Bovine	67.3	-0.2	1.7	-0.001	0.013
Swine	25.5	2.0	-0.9	0.005	-0.003
Poultry	75.7	-0.8	-6.7	-0.006	-0.059
Other meat and meat preparations	74.0	-0.6	10.7	-0.005	0.080
<b>Fish and other seafood</b>	<b>49.0</b>	<b>-0.1</b>	<b>0.7</b>	<b>0.000</b>	<b>0.003</b>
Fish and seafood preparations	49.0	-0.1	0.7	0.000	0.003
<b>Milk, cheese and eggs</b>	<b>135.3</b>	<b>1.6</b>	<b>8.3</b>	<b>0.025</b>	<b>0.122</b>
Cheese	55.4	0.2	7.0	0.001	0.042
Eggs	16.6	6.1	-10.5	0.012	-0.026
Milk	40.0	1.4	18.2	0.007	0.072
Other milk products	23.3	1.8	14.8	0.005	0.034
<b>Oils and fats</b>	<b>32.2</b>	<b>0.5</b>	<b>4.6</b>	<b>0.002</b>	<b>0.017</b>
Corn oil	2.8	2.8	3.8	0.001	0.002
Butter and margarine	9.2	-2.3	-5.5	-0.002	-0.006
Other oils and fats	20.1	1.3	9.2	0.003	0.021
<b>Fruit</b>	<b>97.6</b>	<b>-3.2</b>	<b>-2.6</b>	<b>-0.030</b>	<b>-0.025</b>
Oranges	9.4	5.3	-5.0	0.006	-0.006
Bananas and plantains	19.9	-4.1	-3.7	-0.006	-0.006
Apples	9.3	3.8	-3.4	0.004	-0.003
Avocado	5.0	-0.6	-9.8	0.000	-0.004
Grapes	9.2	-12.8	22.7	-0.015	0.020
Nuts	11.9	0.0	5.8	0.000	0.007
Lemons and mandarins	6.0	-9.0	-8.8	-0.004	-0.004
Cherries and strawberries	8.8	-11.4	-21.1	-0.013	-0.027
Melons and watermelons	7.7	1.2	5.1	0.001	0.003
Papayas and pineapples	6.9	-2.9	-3.5	-0.002	-0.002
Other fruits and fruit products	3.5	-0.3	-4.2	0.000	-0.002
<b>Potatoes and other tubers</b>	<b>18.2</b>	<b>7.8</b>	<b>-2.0</b>	<b>0.011</b>	<b>-0.003</b>
Potatoes	12.2	14.5	-12.5	0.011	-0.012
Other tubers	2.0	0.4	22.2	0.000	0.005
Sweet potatoes and yucca	4.0	0.4	10.8	0.000	0.004
<b>Vegetables</b>	<b>89.1</b>	<b>1.9</b>	<b>9.4</b>	<b>0.015</b>	<b>0.070</b>
Lettuce	6.8	-3.6	-11.0	-0.001	-0.003
Tomatoes	9.7	1.3	-5.4	0.001	-0.005
Onions and garlic	18.7	5.3	20.5	0.009	0.031
Celery and broccoli	15.3	2.5	2.3	0.003	0.003
Other vegetables	15.3	1.6	10.1	0.002	0.013
Other preserved or processed vegetables	8.4	-0.1	10.9	0.000	0.009
Frozen vegetable mixtures	14.8	0.7	17.1	0.001	0.023
<b>Sugar, jam, honey and other confectionery</b>	<b>42.0</b>	<b>3.0</b>	<b>12.9</b>	<b>0.014</b>	<b>0.056</b>
Sugar	12.1	8.8	15.5	0.013	0.021
Jams and jellies	2.5	0.2	2.3	0.000	0.001
Other confectionery products	27.5	0.5	12.5	0.001	0.034
<b>Food products n.e.c.</b>	<b>80.1</b>	<b>0.5</b>	<b>11.6</b>	<b>0.004</b>	<b>0.094</b>
Other food products	80.1	0.5	11.6	0.004	0.094
<b>Non-alcoholic beverages</b>	<b>123.6</b>	<b>1.7</b>	<b>10.2</b>	<b>0.023</b>	<b>0.130</b>
Coffee and tea	20.9	2.7	17.5	0.006	0.036
Other non-alcoholic beverages	14.6	0.7	4.8	0.001	0.007
Soft and sports drinks	31.0	0.2	11.6	0.001	0.037
Fruit juices	57.1	2.4	8.3	0.015	0.050
<b>Food away from home</b>	<b>429.8</b>	<b>0.9</b>	<b>8.1</b>	<b>0.043</b>	<b>0.364</b>
Food and beverage consumption away from home	429.8	0.9	8.1	0.043	0.364
<b>Other goods and services</b>	<b>8,482.5</b>	<b>-0.1</b>	<b>0.7</b>	<b>-0.091</b>	<b>0.631</b>
Other goods	4,735.8	-2.3	-0.4	-1.116	-0.173
Other services	3,746.7	2.9	2.2	1.025	0.804
<b>CPI</b>	<b>10,000</b>	<b>0.0</b>	<b>1.7</b>	<b>0.007</b>	<b>1.670</b>

Source: Central Bureau of Statistics Aruba

APPENDIX 4

Overview of the Consumer Price Index (CPI), 2022 - 2023 (Jun 2019 = 100)

	Base				YEAR: 2023				YEAR: 2022			
	Base Jun-19	Base Jun-19	Base Jun-19	Base Jun-19	CHANGE				CHANGE			
	=100.0	=100.0	=100.0	=100.0	Monthly	Year-to date	Yearly (12 months)	Period average (24 months)	Monthly	Year-to date	Yearly (12 months)	Period average (24 months)
	<u>Jan.'22</u>	<u>Dec.'21</u>	<u>Jan.'23</u>	<u>Dec.'22</u>								
Total Population	100.07	100.60	106.69	106.37	0.3	0.3	6.6	5.8	-0.5	-0.5	3.3	1.2
Low Income	99.81	100.16	106.78	106.44	0.3	0.3	7.0		-0.3	-0.3	3.1	
High Income	100.17	100.80	106.63	106.32	0.3	0.3	6.4		-0.6	-0.6	3.4	
	<u>Feb.'22</u>	<u>Jan.'22</u>	<u>Feb.'23</u>	<u>Jan.'23</u>								
Total Population	100.44	100.07	107.59	106.69	0.8	1.1	7.1	6.1	0.4	-0.2	3.5	1.7
Low Income	100.27	99.81	107.69	106.78	0.9	1.2	7.4		0.5	0.1	3.5	
High Income	100.49	100.17	107.52	106.63	0.8	1.1	7.0		0.3	-0.3	3.6	
	<u>Mar.'22</u>	<u>Feb.'22</u>	<u>Mar.'23</u>	<u>Feb.'23</u>								
Total Population	101.47	100.44	107.47	107.59	-0.1	1.0	5.9	6.2	1.0	0.9	4.0	2.1
Low Income	101.03	100.27	107.46	107.69	-0.2	1.0	6.4		0.8	0.9	3.6	
High Income	101.66	100.49	107.45	107.52	-0.1	1.1	5.7		1.2	0.9	4.1	
	<u>Apr.'22</u>	<u>Mar.'22</u>	<u>Apr.'23</u>	<u>Mar.'23</u>								
Total Population	102.16	101.47	107.12	107.47	-0.3	0.7	4.9	6.3	0.7	1.5	4.7	2.6
Low Income	101.62	101.03	107.31	107.46	-0.1	0.8	5.6		0.6	1.5	4.2	
High Income	102.39	101.66	107.00	107.45	-0.4	0.6	4.5		0.7	1.6	4.9	
	<u>May'22</u>	<u>Apr.'22</u>	<u>May'23</u>	<u>Apr.'23</u>								
Total Population	102.49	102.16	106.60	107.12	-0.5	0.2	4.0	6.1	0.3	1.9	5.2	3.0
Low Income	102.08	101.62	106.77	107.31	-0.5	0.3	4.6		0.5	1.9	4.9	
High Income	102.66	102.39	106.49	107.00	-0.5	0.2	3.7		0.3	1.8	5.4	
	<u>Jun'22</u>	<u>May'22</u>	<u>Jun'23</u>	<u>May'23</u>								
Total Population	103.26	102.49	106.20	106.60	-0.4	-0.2	2.8	5.9	0.7	2.6	5.3	3.4
Low Income	102.91	102.08	106.33	106.77	-0.4	-0.1	3.3		0.8	2.7	5.1	
High Income	103.40	102.66	106.10	106.49	-0.4	-0.2	2.6		0.7	2.6	5.4	
	<u>Jul'22</u>	<u>Jun'22</u>	<u>Jul'23</u>	<u>Jun'23</u>								
Total Population	104.46	103.26	106.20	106.20	0.0	-0.2	1.7	5.6	1.2	3.8	6.0	3.7
Low Income	103.79	102.91	107.23	106.33	0.8	0.7	3.3		0.9	3.6	5.6	
High Income	104.76	103.40	105.68	106.10	-0.4	-0.6	0.9		1.3	3.9	6.2	
	<u>Aug.'22</u>	<u>Jul'22</u>	<u>Aug.'23</u>	<u>Jul'23</u>								
Total Population	106.43	104.46							1.9	5.8	7.7	4.3
Low Income	106.46	103.79							2.6	6.3	8.0	
High Income	106.41	104.76							1.6	5.6	7.6	
	<u>Sep.'22</u>	<u>Aug.'22</u>	<u>Sep.'23</u>	<u>Aug.'23</u>								
Total Population	106.20	106.43							-0.2	5.6	7.0	4.7
Low Income	106.26	106.46							-0.2	6.1	7.2	
High Income	106.16	106.41							-0.2	5.3	6.9	
	<u>Oct.'22</u>	<u>Sep.'22</u>	<u>Oct.'23</u>	<u>Sep.'23</u>								
Total Population	106.30	106.20							0.1	5.7	7.0	5.1
Low Income	106.28	106.26							0.0	6.1	7.2	
High Income	106.29	106.16							0.1	5.4	6.9	
	<u>Nov.'22</u>	<u>Oct.'22</u>	<u>Nov.'23</u>	<u>Oct.'23</u>								
Total Population	106.49	106.30							0.2	5.8	6.6	5.3
Low Income	106.57	106.28							0.3	6.4	7.1	
High Income	106.43	106.29							0.1	5.6	6.3	
	<u>Dec.'22</u>	<u>Nov.'22</u>	<u>Dec.'23</u>	<u>Nov.'23</u>								
Total Population	106.37	106.49							-0.1	5.7	5.7	5.5
Low Income	106.44	106.57							-0.1	6.3	6.3	
High Income	106.32	106.43							-0.1	5.5	5.5	

Source: Central Bureau of Statistics Aruba

APPENDIX 5

Prices of crude oil, utilities and gasoline, 2001 - 2023

Month	Crude Crude 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 charge <sup>3</sup>	Electricity <sup>4</sup>			
		≤ 500 kWh	501 - 1000 kWh	> 1001 kWh					
<b>Average 2001</b>	26.01	24.59	22.09	22.09	0.00	172.79	89.40	128.34	90.10
<b>Average 2002</b>	26.06	24.89	22.39	22.39	0.00	174.91	90.82	127.20	88.68
<b>Average 2003</b>	34.49	27.02	24.52	24.52	0.00	190.38	99.21	139.21	100.18
<b>Average 2004</b>	41.31	27.18	24.68	24.68	0.00	191.57	100.02	152.51	113.05
<b>Average 2005</b>	56.36	31.10	28.60	28.60	0.00	219.97	113.69	167.74	136.04
<b>Average 2006</b>	66.12	35.91	33.41	33.41	0.00	254.88	128.70	176.22	149.77
<b>Average 2007</b>	72.08	36.59	34.09	34.09	0.00	259.84	133.59	200.43	168.38
<b>Average 2008</b>	99.87	45.67	43.17	43.17	0.00	325.67	161.80	228.19	214.48
<b>Average 2009</b>	61.46	37.33	34.83	34.83	0.00	265.17	139.60	175.15	142.53
<b>Average 2010</b>	79.22	43.92	41.42	41.42	0.00	312.98	159.21	193.43	163.22
<b>Average 2011</b>	94.74	47.58	47.57	47.57	0.00	345.14	177.47	229.48	203.46
<b>Average 2012</b>	94.25	47.68	51.21	53.46	0.00	353.85	171.13	235.53	210.07
<b>Average 2013</b>	98.00	41.10	44.90	58.40	0.00	306.75	137.05	229.48	205.83
<b>Average 2014</b>	93.49	42.58	45.32	57.77	0.63	315.71	137.05	224.24	200.21
<b>Average 2015</b>	48.71	47.02	46.56	55.87	2.50	342.59	137.05	179.74	147.80
<b>Average 2016</b>	43.17	40.40	41.80	47.64	12.50	308.76	137.05	165.87	131.12
<b>Average 2017</b>	50.85	34.52	35.72	45.93	12.50	265.65	137.05	180.79	147.69
<b>Average 2018</b>	65.08	34.52	35.72	45.93	12.50	265.65	137.05	204.95	177.59
<b>Average 2019</b>	56.84	34.52	35.72	45.93	12.50	265.65	137.05	202.67	176.53
<b>Average 2020</b>	39.25	31.09	31.99	42.09	12.50	240.09	137.05	177.93	143.26
<b>Average 2021</b>	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	87.61	38.53	39.65	52.16	12.50	294.56	168.73	254.90	259.40
November-22	85.37	38.53	39.65	52.16	12.50	294.56	168.73	269.10	284.80
December-22	76.80	38.53	39.65	52.16	12.50	294.56	168.73	251.40	261.00
<b>Average 2022</b>	<b>95.16</b>	<b>34.19</b>	<b>35.18</b>	<b>46.29</b>	<b>12.50</b>	<b>262.78</b>	<b>150.17</b>	<b>275.90</b>	<b>263.17</b>
January-23	78.01	38.53	39.65	52.16	12.50	294.56	168.73	243.80	246.60
February-23	76.99	38.53	39.65	52.16	12.50	294.56	168.73	262.50	260.30
March-23	73.51	38.53	39.65	52.16	12.50	294.56	168.73	257.60	234.80
April-23	79.51	38.53	39.65	52.16	12.50	294.56	168.73	262.40	231.50
May-23	71.86	35.80	36.84	48.47	12.50	274.57	168.73	266.70	221.50
June-23	70.12	35.80	36.84	48.47	12.50	274.57	168.73	255.90	209.10
July-23	75.57	35.80	36.84	48.47	12.50	274.57	168.73	256.40	212.50
August-23									
September-23									
October-23									
November-23									
December-23									
<b>Average 2023</b>	<b>75.08</b>	<b>37.36</b>	<b>38.45</b>	<b>50.58</b>	<b>12.50</b>	<b>286.00</b>	<b>168.73</b>	<b>257.90</b>	<b>230.90</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

**APPENDIX 6**

