

## Consumer Price Index, base period June 2019

### August 2023

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

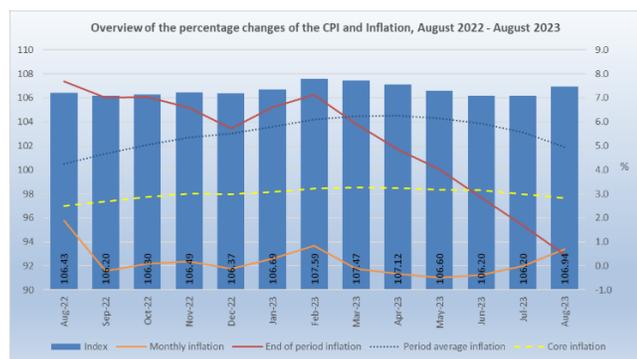


### Consumer Price Index for the month of August 2023

The CPI for August 2023 (106.94), an increase of 0.7% compared to the index of July 2023 (106.20).

The percentage change of the CPI over the last twelve (12) months (August 2022 to August 2023) is 0.5, a decrease of 7.2 percentage points (ppts) compared to the percentage change for the same period of last year (7.7%).

The period average (last 24 months) percentage change of the CPI for the periods August 2021 to August 2022 and August 2022 to August 2023 is 4.9%, an increase of 0.6 ppts compared to the period average percentage change over the periods August 2020 to August 2021 and August 2021 to August 2022 (4.3%).



During this month, ten (10) of the twelve (12) sectors registered increases in prices. The increases that had the greatest influence on the CPI were registered for the "Transport" (1.9%) and "Education" (19.3%) sectors, which contributed with an effect of 0.25 and 0.19 ppts, respectively. The increases in the remaining sectors had an effect of 0.26 ppts on the CPI of August 2023.

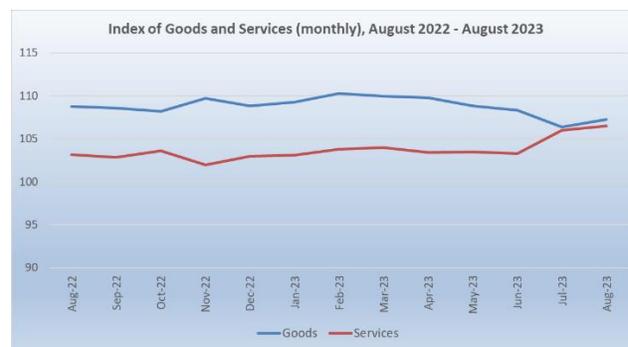
Aforementioned increases were partially offset mainly by a slight decrease in the index for the "Communications" (-0.1%) sector, which caused an effect of -0.01 ppt. The decrease in the remaining sector had an insignificant effect on the CPI of August 2023.

The increase in the "Transport" sector was mainly due to an increase in the category "Operation of personal transport equipment" (2.8%), which contributed to an effect of 0.24 ppts. The increase in the "Education" sector was due to increases of 42.9% and 20.1% in the categories "Pre primary and primary education" and "Secondary education", which contributed to an effect of respectively, 0.10 and 0.09 ppts.

The decrease in the "Communications" sector was due to a decrease in the category "Telephone and telefax equipment" (-3.1%), which contributed to an effect of -0.01 ppt.

### Consumption basket

The consumption basket of the CPI consists of 408 goods and services. Compared to July 2023, 47.1% of these products had an increase in price, causing an effect of 1.19 ppts, while 36.0% showed a decrease, contributing to an effect of -0.50 ppts and the remaining 16.9% had no change in price. The prices of goods increased by 0.8% and caused an influence of 0.48 ppts. The prices of services showed an increase of 0.5% and had an influence of 0.21 ppts on the CPI of August 2023.



CPI (BASE JUN 2019 = 100)										CPIC			SUBSISTENCE LEVEL		
Month	Year	Index	Monthly	Year-to-date	End of period	Period average	Goods	Services		CPIC	Energy	Food	1 adult	2 adults + 2 children	
August	2023	106.94	↑ 0.7	↑ 0.5	↑ 0.5	↑ 4.9	↑ 0.8	↑ 0.5	↑	2.8	↑ 11.3	↑ 9.9	2,554	↑ 5,364	
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	
August	2022	106.43	1.9	5.8	7.7	4.3	3.2	0.1		2.5	10.8	7.1	2,513	5,278	

## Core inflation

The CPIC (core inflation) - CPI excluding the effect of energy and food – was 2.8% in August 2023. The energy index - which consists of the products: electricity, water, gasoline and diesel – was 11.3%. The food index showed an increase of 9.9%.

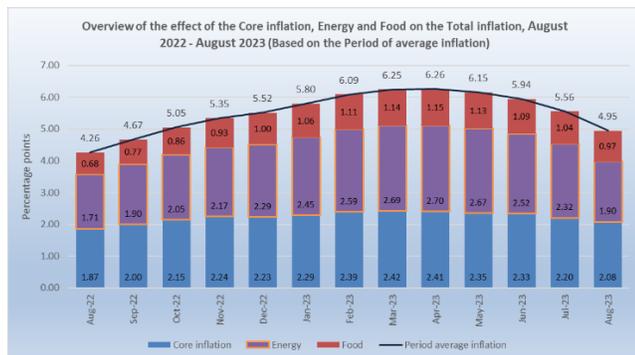
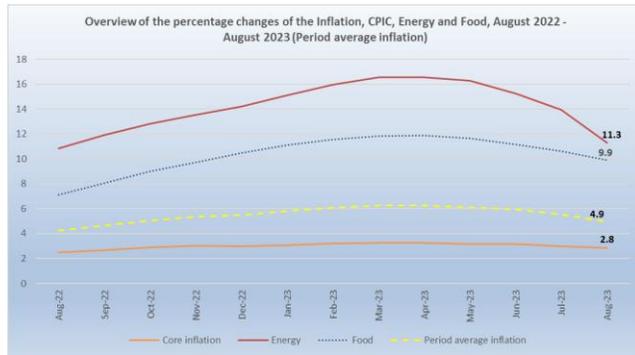
### What is CPIC?

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

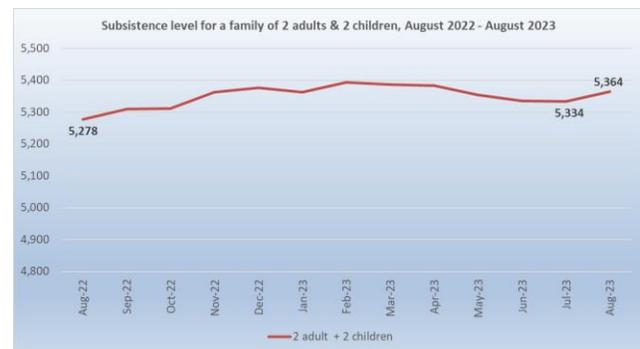
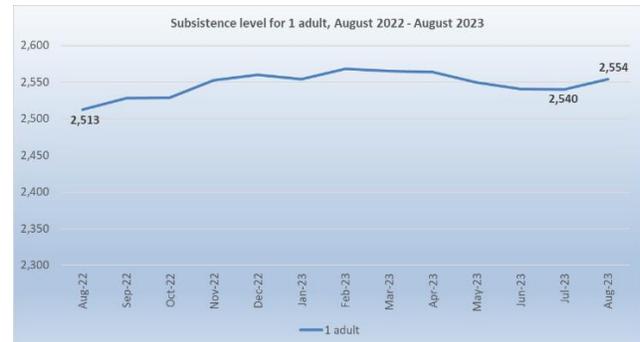
The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-15 years) in August 2023 is Afl. 5,364, an increase of Afl. 30 compared to July 2023 (Afl. 5,334). The subsistence level for a single adult household is Afl. 2,554, an increase of Afl. 14 compared to July 2023 (Afl. 2,540).

### 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 August 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 August 2023 the monthly subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) (Afl. 5,364) showed an increase of Afl. 86 compared to August 2022 (Afl. 5,278) and was mainly caused by an increase of Afl. 94 in the sector "Food and non-alcoholic beverages".

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	Aug-22	Aug-23	Absolute Change
Food and non-alcoholic beverages	2,147	2,241	94
Clothing and footwear	247	235	-12
Housing	1,608	1,607	-1
Household operation	116	116	0
Health	81	83	2
Transport	357	327	-30
Communications	149	161	12
Recreation and culture	165	159	-6
Education	78	93	15
Miscellaneous goods and services	332	342	10
<b>Total</b>	<b>5,278</b>	<b>5,364</b>	<b>86</b>

Source: Central Bureau of Statistics Aruba

Table 2 Monthly Subsistence level in Aruba (in Afl.) by family size and composition, August 2023 (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
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
Aug-23	2,554	3,320	3,831	4,598	5,364

Source: Central Bureau of Statistics Aruba

In August 2023, the monthly subsistence level for a single adult household is Afl 2,554, which represents an income deficit of Afl. 661, a decrease of Afl. 37 compared to the deficit observed one year ago (Afl. 698). This deficit is the second highest registered over a period of six (6) years for the month August.

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

Period	1 adult	Minimum wage	Surplus/deficit
2018	2,199	1,711	-488
2019	2,340	1,762	-578
2020	2,276	1,815	-461
2021	2,294	1,815	-479
2022	2,513	1,815	-698
2023	2,554	1,893	-661

Source: Central Bureau of Statistics Aruba

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

	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23
<b>Index CPI</b>													
CPI (Monthly)	106.43	106.20	106.30	106.49	106.37	106.69	107.59	107.47	107.12	106.60	106.20	106.20	106.94
CPI (12-month average)	101.65	102.23	102.81	103.36	103.84	104.40	104.99	105.49	105.91	106.25	106.49	106.64	106.68
<b>Percentage changes</b>													
Monthly	1.9	-0.2	0.1	0.2	-0.1	0.3	0.8	-0.1	-0.3	-0.5	-0.4	0.0	0.7
Year-to-date	5.8	5.6	5.7	5.8	5.7	0.3	1.1	1.0	0.7	0.2	-0.2	-0.2	0.5
End of period	7.7	7.0	7.0	6.6	5.7	6.6	7.1	5.9	4.9	4.0	2.8	1.7	0.5
Period average	4.3	4.7	5.1	5.3	5.5	5.8	6.1	6.2	6.3	6.1	5.9	5.6	4.9
<b>Index Goods</b>													
Goods (Monthly)	108.79	108.58	108.22	109.72	108.82	109.27	110.31	109.96	109.78	108.82	108.30	106.36	107.25
Goods (12-month average)	101.22	102.08	102.97	103.92	104.69	105.55	106.48	107.24	107.93	108.46	108.84	108.91	108.78
<b>Percentage changes</b>													
Monthly	3.2	-0.2	-0.3	1.4	-0.8	0.4	0.9	-0.3	-0.2	-0.9	-0.5	-1.8	0.8
Year-to-date	9.2	9.0	8.7	10.2	9.3	0.4	1.4	1.0	0.9	0.0	-0.5	-2.3	-1.4
End of period	11.7	10.5	10.9	11.7	9.3	10.3	11.3	9.1	8.1	6.2	4.4	0.9	-1.4
Period average	5.8	6.4	7.1	7.8	8.1	8.6	9.2	9.5	9.7	9.6	9.3	8.6	7.5
<b>Index Services</b>													
Services (Monthly)	103.14	102.88	103.61	101.97	102.96	103.09	103.80	104.00	103.40	103.51	103.27	105.98	106.51
Services (12-month average)	102.26	102.44	102.60	102.58	102.66	102.79	102.92	103.05	103.09	103.17	103.23	103.47	103.75
<b>Percentage changes</b>													
Monthly	0.1	-0.3	0.7	-1.6	1.0	0.1	0.7	0.2	-0.6	0.1	-0.2	2.6	0.5
Year-to-date	1.1	0.9	1.6	0.0	0.9	0.1	0.8	1.0	0.4	0.5	0.3	2.9	3.4
End of period	2.3	2.3	1.9	-0.2	0.9	1.6	1.5	1.5	0.4	0.9	0.7	2.8	3.3
Period average	2.2	2.3	2.3	2.1	2.0	2.0	2.0	1.8	1.6	1.4	1.3	1.4	1.5
<b>Indices CPIC, Energy &amp; Food</b>													
CPIC (12-month average)	100.82	101.09	101.40	101.65	101.83	102.11	102.45	102.73	102.98	103.20	103.41	103.53	103.68
Energy (12-month average)	104.45	106.16	107.70	109.28	110.74	112.20	113.69	114.93	115.88	116.55	116.77	116.82	116.23
Food (12-month average)	103.31	104.33	105.39	106.47	107.61	108.68	109.69	110.63	111.44	112.14	112.67	113.17	113.51
<b>Percentage changes</b>													
CPIC (Period average)	2.5	2.7	2.9	3.0	3.0	3.1	3.2	3.3	3.3	3.2	3.2	3.0	2.8
Energy (Period average)	10.8	11.9	12.8	13.5	14.2	15.1	16.0	16.5	16.5	16.3	15.3	14.0	11.3
Food (Period average)	7.1	8.0	9.0	9.7	10.5	11.1	11.6	11.9	11.9	11.7	11.2	10.6	9.9
<b>Subsistence level (Monthly)</b>													
1 adult	2,513	2,528	2,529	2,553	2,560	2,554	2,568	2,565	2,564	2,550	2,541	2,540	2,554
2 adults + 2 children	5,278	5,309	5,311	5,362	5,376	5,363	5,393	5,386	5,384	5,354	5,336	5,334	5,364
<b>Changes in Afl</b>													
1 adult (Monthly)	73	15	1	24	7	-6	14	-3	-1	-14	-9	-1	14
1 adult (Yearly)	219	224	218	222	223	211	220	193	182	147	127	100	41
2 adults + 2 children (Monthly)	154	31	2	51	14	-13	30	-7	-2	-30	-18	-2	30
2 adults + 2 children (Yearly)	461	470	457	466	469	443	462	406	381	308	266	210	86

Source: Central Bureau of Statistics Aruba

Table 5 Percentage change by sector

Sector	Weight coefficient	Percentage changes				
		Effect Jul - Aug	Monthly Jul - Aug	Year-to-date Dec - Aug	End of period Aug 22 - Aug 23	Period average Aug 21/22 - Aug 22/23
<b>CPI</b>	<b>10,000.0</b>	<b>0.69</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>4.9</b>
01. Food and non-alcoholic beverages	1,087.7	0.01	0.1	0.4	4.4	9.9
02. Alcoholic beverages and tobacco	78.2	0.00	-0.1	3.8	4.7	5.1
03. Clothing and footwear	276.8	0.01	0.6	-9.6	-4.6	-2.9
04. Housing	2,522.2	0.01	0.0	-1.4	-0.1	10.3
05. Household operation	929.2	0.09	1.0	5.4	0.5	4.0
06. Health	223.1	0.06	3.0	0.6	1.9	3.7
07. Transport	1,257.4	0.25	1.9	-4.0	-8.2	3.8
08. Communications	849.6	-0.01	-0.1	15.4	8.0	-3.0
09. Recreation and culture	1,013.3	0.04	0.4	-6.5	-3.7	-0.1
10. Education	98.0	0.19	19.3	19.7	19.7	1.8
11. Restaurants and hotels	442.0	0.03	0.6	3.5	7.7	7.5
12. Miscellaneous goods and services	1,222.6	0.01	0.1	2.4	3.1	2.1

Source: Central Bureau of Statistics Aruba

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

Category	Monthly change	Effect
Operation of personal transport equipment	2.8	0.24
Household appliances	9.3	0.22
Pre primary and primary education	42.9	0.10

Source: Central Bureau of Statistics Aruba

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

Category	Monthly change	Effect
Furniture, furnishings, carpets and other floor coverings	-8.8	-0.09
Tools and equipment for house and garden	-5.2	-0.04
Clothing	-2.4	-0.04

Source: Central Bureau of Statistics Aruba

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

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In August 2023 the average price per barrel of crude oil (US\$ 81.34) had an increase of US\$ 5.77 (7.6%) compared to July 2023 (US\$ 75.57).

The prices of electricity and water did not change compared to July 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.

In August 2023 the price of gasoline registered an increase of Afl. 12.40 cents (4.8%) and had an effect of 0.24 ppts on the CPI. The price of diesel registered an increase of Afl. 13.10 cents (6.2%) and had an effect of 0.02 ppts on the CPI of August 2023.

In August 2023, utilities, gasoline and diesel as a group, showed an increase in price of 1.5% compared to July 2023, and had an influence of 0.26 ppts on the CPI, while the remaining 404 goods and services, as a group, show an increase of 0.5% and had an effect of 0.43 ppts on the CPI.

Table 9 Effect on the CPI of August 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	-6.8	-0.57
Gasoline	430.5	4.8	0.24	-8.3	-0.47
Water	367.3	0.0	0.00	0.6	0.02
Diesel	30.2	6.2	0.02	-19.0	-0.08
Total group	1,638.1	1.5	0.26	-5.9	-1.10
Remaining goods and services	8,361.9	0.5	0.43	1.9	1.58
CPI	10,000.0	0.7	0.69	0.5	0.48

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	81.34	35.80	36.84	274.57	168.73	268.80	225.60
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>75.86</b>	<b>37.17</b>	<b>38.25</b>	<b>284.57</b>	<b>168.73</b>	<b>259.26</b>	<b>230.24</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 August 2023

The “Food & catering services” index showed an increase of 0.3% in August 2023, after an increase of 0.6% in July 2023. The index for “Food at home” showed an increase of 0.1% in August, as eight (8) of the eleven (11) “Food at home” indices increased in August 2023. The “Potatoes and other tubers” index registered the largest increase (8.4%) in August 2023. Furthermore, other significant increases were posted in the indices for “Sugar, jam, honey and other confectionery” (2.1%), “Food products n.e.c.” (0.8%), “Fish and other seafood” (0.5%) and “Vegetables” (0.5%). The largest decrease was registered in the index for “Fruit” (-1.9%) in August 2023.

The index for “Food away from home” increased by 0.6% in August 2023.

In August 2023, “Food at home” and “Food away from home” as a group showed an increase in price of 0.3% compared to July 2023, and had an effect of 0.04 ppts on the CPI, while the remaining goods and services, as a group, experienced an increase in price of 0.8%, causing an effect of 0.65 ppts on the CPI.

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

Category	Weight	Monthly change	Effect
<i>Food at home</i>	1,087.7	0.1	0.01
<i>Food away from home</i>	429.8	0.6	0.03
<i>Total group</i>	1,517.5	0.3	0.04
<i>Remaining goods and services</i>	8,482.5	0.8	0.65
<i>CPI</i>	10,000.0	0.7	0.69

Source: Central Bureau of Statistics Aruba

Table 10 Percentage change for Food & catering services

	Weight coefficient	Indices			Percentage changes			Effect	
		Aug-22	Jul-23	Aug-23	Monthly Jun - Jul	Monthly Jul - Aug	End of period Aug 22 - Aug 23	Monthly Jul - Aug	End of period Aug 22 - Aug 23
<b>Food &amp; catering services</b>	<b>1,517.5</b>	<b>110.15</b>	<b>115.77</b>	<b>116.07</b>	<b>0.6</b>	<b>0.3</b>	<b>5.4</b>	<b>0.043</b>	<b>0.845</b>
<b>Food at home</b>	<b>1,087.7</b>	<b>109.93</b>	<b>114.63</b>	<b>114.75</b>	<b>0.5</b>	<b>0.1</b>	<b>4.4</b>	<b>0.012</b>	<b>0.493</b>
<i>Bread and cereals</i>	178.1	109.05	118.26	118.55	-0.1	0.2	8.7	0.005	0.159
<i>Meat</i>	242.5	117.54	116.73	116.73	-0.3	0.0	-0.7	0.000	-0.018
<i>Fish and other seafood</i>	49.0	112.57	110.85	111.40	-0.1	0.5	-1.0	0.003	-0.005
<i>Milk, cheese and eggs</i>	135.3	114.84	122.71	121.88	1.6	-0.7	6.1	-0.010	0.090
<i>Oils and fats</i>	32.2	120.08	125.01	123.75	0.5	-1.0	3.1	-0.004	0.011
<i>Fruit</i>	97.6	104.26	99.73	97.83	-3.2	-1.9	-6.2	-0.017	-0.059
<i>Potatoes and other tubers</i>	18.2	85.89	88.21	95.63	7.8	8.4	11.3	0.013	0.017
<i>Vegetables</i>	89.1	93.00	96.11	96.55	1.9	0.5	3.8	0.004	0.030
<i>Sugar, jam, honey and other confectionery</i>	42.0	110.04	122.56	125.18	3.0	2.1	13.8	0.010	0.060
<i>Food products n.e.c.</i>	80.1	106.99	118.73	119.66	0.5	0.8	11.8	0.007	0.095
<i>Non-alcoholic beverages</i>	123.6	109.24	118.90	119.11	1.7	0.2	9.0	0.002	0.034
<b>Food away from home</b>	<b>429.8</b>	<b>110.71</b>	<b>118.65</b>	<b>119.42</b>	<b>0.9</b>	<b>0.6</b>	<b>7.9</b>	<b>0.031</b>	<b>0.352</b>
<b>Other goods and services</b>	<b>8,482.5</b>	<b>105.77</b>	<b>104.49</b>	<b>105.30</b>	<b>-0.1</b>	<b>0.8</b>	<b>-0.4</b>	<b>0.649</b>	<b>-0.369</b>
<i>Other goods</i>	4,735.8	108.53	104.46	105.52	-2.3	1.0	-2.8	0.473	-1.339
<i>Other services</i>	3,746.7	102.27	104.53	105.03	2.9	0.5	2.7	0.176	0.969
<b>CPI</b>	<b>10,000.0</b>	<b>106.43</b>	<b>106.20</b>	<b>106.94</b>	<b>0.0</b>	<b>0.7</b>	<b>0.5</b>	<b>0.692</b>	<b>0.475</b>

Source: Central Bureau of Statistics Aruba

## CPI for the period August 2022 – August 2023

### Consumer Price Index

Over the last 12 months, the CPI increased by 0.5%. Eight (8) of the twelve (12) sectors registered increases in prices. The increases that had the greatest influence on the CPI were registered for the “Communications” (8.0%), “Food and non-alcoholic beverages” (4.4%), “Miscellaneous goods and services” (3.1%) and “Restaurants and hotels” (7.7%) sectors, which contributed with an effect of 0.62, 0.49, 0.36 and 0.35 ppts, respectively. The increases in the remaining sectors had an effect of 0.32 ppts on the CPI of August 2022 - August 2023.



Aforementioned increases were partially offset mainly by decreases in the indices for the “Transport” (-8.2%) and “Recreation and culture” (-3.7%) sectors, causing an effect of -1.19 and -0.34 ppts, respectively.

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 0.59 ppts. The increase in the “Food and non-alcoholic beverages” sector was mainly due to an increase in the category “Food” (3.8%), which contributed to an effect of 0.38 ppts. The increase in the “Miscellaneous goods and services” sector was mainly due to an increase in the category “Personal care” (5.7%), which contributed to an effect of 0.22 ppts. The increase in the “Restaurants and hotels” sector was due to an increase of 7.9% in the category “Catering services”, which contributed to an effect of 0.35 ppts.

The decrease in the “Transport” sector was mainly due to a decrease in the category “Purchase of vehicles” (-14.8%), which contributed to an effect of -0.71 ppts. The decrease in the “Recreation and culture” sector was mainly due to a decrease of 10.5% in the category “Holidays”, which contributed to an effect of -0.28 ppts.

### Consumption basket

Over the last year 59.1% of the products in the consumption basket had an increase in price, causing an effect of 4.53 ppts, while 35.3% showed a decrease, contributing to an effect of -4.06 ppts and the remaining 5.6% had no change in price. The prices of goods decreased by 1.4% and caused an influence of -0.85 ppts. The prices of services showed an increase of 3.3% and had an influence of 1.32 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. 86, from Afl. 5,278 in August 2022 to Afl. 5,364 in August 2023. This increase was mainly due to an increase in the “Food and non-alcoholic beverages” (Afl. 94) sector.

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

The average price per barrel of crude oil registered a decrease of US\$ 12.40 (-13.2%) from US\$ 93.74 in August 2022 to US\$ 81.34 in August 2023.

The energy index decreased by 5.9% over the past 12 months and had an influence of -1.10 ppts. The indices of “Gasoline” (-8.3%) and “Diesel” (-19.0%) registered decreases over the last year, contributing with an effect of -0.47 and -0.08 ppts, respectively. The index of “Electricity” (-6.8%) registered a decrease over the last year, contributing with an effect of -0.57 ppts, while the index of “Water” increased by 0.6% and contributed with an effect of 0.02 ppts. The remaining 404 goods and services, as a group, show an increase of 1.9% and had an effect of 1.58 ppts on the CPI.

### Change in prices of Food & catering services

Over the last 12 months, the “Food & catering services” increased by 5.4%. The “Food at home” index showed an increase of 4.4%, where eight (8) of the “Food at home” food groups increased over the period.

The “Sugar, jam, honey and other confectionery” index increased by 13.8%, 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.” (11.8%), “Potatoes and other tubers” (11.3%), “Non-alcoholic beverages” (9.0%), “Bread and cereals” (8.7%) and “Milk, cheese and eggs” (6.1%). The largest decrease was registered in the index for “Fruit” (-6.2%) in August 2023.

The index for “Food away from home” increased by 7.9% over the last 12 months.

APPENDIX 1

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

DESCRIPTION	WEIGHT coefficient	2022	2022	2023	2023	Monthly Jul - Aug	Ytd Dec - Aug	End of period Aug 22 - Aug 23 12 months	Period average Aug 21/22 - Aug 22/23 24 months
		Aug	Dec	Jul	Aug				
<b>Food and non-alcoholic beverages</b>	<b>1,087.7</b>	<b>109.93</b>	<b>114.32</b>	<b>114.63</b>	<b>114.75</b>	<b>0.1</b>	<b>0.4</b>	<b>4.4</b>	<b>9.9</b>
Food	964.1	110.01	114.32	114.08	114.19	0.1	-0.1	3.8	9.9
Non-alcoholic beverages	123.6	109.24	114.36	118.90	119.11	0.2	4.2	9.0	10.3
<b>Alcoholic beverages and tobacco</b>	<b>78.2</b>	<b>105.38</b>	<b>106.28</b>	<b>110.42</b>	<b>110.36</b>	<b>-0.1</b>	<b>3.8</b>	<b>4.7</b>	<b>5.1</b>
Alcoholic beverages for consumption at home	62.2	104.51	105.75	108.77	108.68	-0.1	2.8	4.0	5.1
Tobacco	16.0	108.76	108.32	116.84	116.85	0.0	7.9	7.4	5.3
<b>Clothing and footwear</b>	<b>276.8</b>	<b>90.45</b>	<b>95.40</b>	<b>85.72</b>	<b>86.27</b>	<b>0.6</b>	<b>-9.6</b>	<b>-4.6</b>	<b>-2.9</b>
Clothing	212.8	92.54	98.09	87.59	85.49	-2.4	-12.8	-7.6	-3.6
Footwear	64.0	83.50	86.46	79.51	88.86	11.8	2.8	6.4	-0.2
<b>Housing</b>	<b>2,522.2</b>	<b>108.88</b>	<b>110.31</b>	<b>108.76</b>	<b>108.78</b>	<b>0.0</b>	<b>-1.4</b>	<b>-0.1</b>	<b>10.3</b>
Actual rentals for housing	666.7	104.82	105.34	106.26	106.39	0.1	1.0	1.5	1.5
Imputed rentals for housing	34.4	94.65	94.59	94.59	94.59	0.0	0.0	-0.1	-0.8
Maintenance and repair of the dwelling	517.0	102.44	106.52	108.47	108.40	-0.1	1.8	5.8	5.3
Water supply and miscellaneous services relating to the dwelling	463.6	120.02	120.59	121.83	121.83	0.0	1.0	1.5	17.2
Electricity, gas and other fuels	840.4	110.49	111.55	104.30	104.30	0.0	-6.5	-5.6	18.0
<b>Household operation</b>	<b>929.2</b>	<b>104.00</b>	<b>99.17</b>	<b>103.50</b>	<b>104.56</b>	<b>1.0</b>	<b>5.4</b>	<b>0.5</b>	<b>4.0</b>
Furniture, furnishings, carpets and other floor coverings	128.8	89.44	81.61	85.62	78.10	-8.8	-4.3	-12.7	6.3
Household textiles	58.6	77.83	75.62	74.76	72.86	-2.5	-3.6	-6.4	-3.2
Household appliances	246.0	112.70	99.86	101.64	111.07	9.3	11.2	-1.5	3.9
Glassware, tableware and household utensils	17.2	82.31	78.74	57.60	64.79	12.5	-17.7	-21.3	-7.9
Tools and equipment for house and garden	58.2	135.55	130.46	151.62	143.68	-5.2	10.1	6.0	5.5
Goods and services for routine household maintenance and cleaning	420.5	103.54	103.93	109.29	109.50	0.2	5.4	5.8	4.4
<b>Health</b>	<b>223.1</b>	<b>98.66</b>	<b>99.92</b>	<b>97.63</b>	<b>100.56</b>	<b>3.0</b>	<b>0.6</b>	<b>1.9</b>	<b>3.7</b>
Medical products, appliances and equipment	152.3	96.85	97.77	93.23	98.00	5.1	0.2	1.2	2.7
Out-patient services	52.4	103.79	105.35	108.01	106.89	-1.0	1.5	3.0	7.4
Other treatments	7.8	97.86	99.18	101.54	100.30	-1.2	1.1	2.5	4.9
Health products and services n.e.c.	10.5	99.85	104.45	106.55	106.40	-0.1	1.9	6.6	-2.0
<b>Transport</b>	<b>1,257.4</b>	<b>122.44</b>	<b>117.02</b>	<b>110.23</b>	<b>112.35</b>	<b>1.9</b>	<b>-4.0</b>	<b>-8.2</b>	<b>3.8</b>
Purchase of vehicles	442.6	115.23	119.92	97.91	98.21	0.3	-18.1	-14.8	11.5
Operation of personal transport equipment	763.3	127.20	116.38	118.89	122.20	2.8	5.0	-3.9	0.3
Transport services	51.5	113.90	101.58	87.79	87.79	0.0	-13.6	-22.9	-5.0
<b>Communications</b>	<b>849.6</b>	<b>97.48</b>	<b>91.24</b>	<b>105.42</b>	<b>105.29</b>	<b>-0.1</b>	<b>15.4</b>	<b>8.0</b>	<b>-3.0</b>
Telephone and telefax equipment	43.8	69.46	71.55	79.92	77.44	-3.1	8.2	11.5	-3.1
Telephone and telefax services	805.8	99.01	92.31	106.80	106.80	0.0	15.7	7.9	-3.0
<b>Recreation and culture</b>	<b>1,013.3</b>	<b>98.57</b>	<b>101.62</b>	<b>94.55</b>	<b>94.97</b>	<b>0.4</b>	<b>-6.5</b>	<b>-3.7</b>	<b>-0.1</b>
Audio-visual, photographic and information processing equipment	58.5	93.69	90.91	78.28	78.95	0.9	-13.2	-15.7	-14.0
Other major durables for recreation and culture	20.0	113.35	85.51	95.34	103.85	8.9	21.4	-8.4	-3.6
Other recreational items and equipment; gardens and pets	266.6	103.99	109.89	105.45	106.56	1.1	-3.0	2.5	6.7
Recreational and cultural services	309.1	101.96	102.19	101.48	101.59	0.1	-0.6	-0.4	0.2
Newspapers, books and stationery	43.7	90.81	85.10	91.54	87.59	-4.3	2.9	-3.5	6.4
Holidays	315.4	91.70	99.36	81.95	82.11	0.2	-17.4	-10.5	-4.6
<b>Education</b>	<b>98.0</b>	<b>104.79</b>	<b>104.79</b>	<b>105.12</b>	<b>125.43</b>	<b>19.3</b>	<b>19.7</b>	<b>19.7</b>	<b>1.8</b>
Pre primary and primary education	24.0	100.00	100.00	100.00	142.86	42.9	42.9	42.9	3.6
Secondary education	43.4	110.44	110.44	110.44	132.63	20.1	20.1	20.1	1.7
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	8.3
<b>Restaurants and hotels</b>	<b>442.0</b>	<b>109.10</b>	<b>113.51</b>	<b>116.69</b>	<b>117.45</b>	<b>0.6</b>	<b>3.5</b>	<b>7.7</b>	<b>7.5</b>
Catering services	429.8	110.71	113.82	118.65	119.42	0.6	4.9	7.9	7.3
Accommodation services	12.2	52.41	102.82	47.60	47.90	0.6	-53.4	-8.6	21.2
<b>Miscellaneous goods and services</b>	<b>1,222.6</b>	<b>100.67</b>	<b>101.36</b>	<b>103.77</b>	<b>103.84</b>	<b>0.1</b>	<b>2.4</b>	<b>3.1</b>	<b>2.1</b>
Personal care	427.1	98.06	99.67	103.11	103.65	0.5	4.0	5.7	3.7
Personal effects n.e.c.	106.6	95.14	96.61	104.28	102.85	-1.4	6.5	8.1	4.4
Social protection	78.2	126.67	126.67	133.33	133.33	0.0	5.3	5.3	4.9
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>106.43</b>	<b>106.37</b>	<b>106.20</b>	<b>106.94</b>	<b>0.7</b>	<b>0.5</b>	<b>0.5</b>	<b>4.9</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 August 2023, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly Jul - Aug	Ytd Dec - Aug	End of period Aug 22 - Aug 23 12 months	Period average Aug 21/22 - Aug 22/23 24 months
<b>Food and non-alcoholic beverages</b>	<b>1,087.7</b>	<b>0.01</b>	<b>0.04</b>	<b>0.49</b>	<b>1.10</b>
Food	964.1	0.01	-0.01	0.38	0.97
Non-alcoholic beverages	123.6	0.00	0.06	0.11	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	0.02	0.03
Tobacco	16.0	0.00	0.01	0.01	0.01
<b>Clothing and footwear</b>	<b>276.8</b>	<b>0.01</b>	<b>-0.24</b>	<b>-0.11</b>	<b>-0.07</b>
Clothing	212.8	-0.04	-0.25	-0.14	-0.07
Footwear	64.0	0.06	0.01	0.03	0.00
<b>Housing</b>	<b>2,522.2</b>	<b>0.01</b>	<b>-0.36</b>	<b>-0.02</b>	<b>2.55</b>
Actual rentals for housing	666.7	0.01	0.07	0.10	0.10
Imputed rentals for housing	34.4	0.00	0.00	0.00	0.00
Maintenance and repair of the dwelling	517.0	0.00	0.09	0.29	0.27
Water supply and miscellaneous services relating to the dwelling	463.6	0.00	0.05	0.08	0.81
Electricity, gas and other fuels	840.4	0.00	-0.57	-0.49	1.37
<b>Household operation</b>	<b>929.2</b>	<b>0.09</b>	<b>0.47</b>	<b>0.05</b>	<b>0.36</b>
Furniture, furnishings, carpets and other floor coverings	128.8	-0.09	-0.04	-0.14	0.06
Household textiles	58.6	-0.01	-0.02	-0.03	-0.01
Household appliances	246.0	0.22	0.26	-0.04	0.10
Glassware, tableware and household utensils	17.2	0.01	-0.02	-0.03	-0.01
Tools and equipment for house and garden	58.2	-0.04	0.07	0.04	0.04
Goods and services for routine household maintenance and cleaning	420.5	0.01	0.22	0.24	0.18
<b>Health</b>	<b>223.1</b>	<b>0.06</b>	<b>0.01</b>	<b>0.04</b>	<b>0.08</b>
Medical products, appliances and equipment	152.3	0.07	0.00	0.02	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	0.00	0.00	0.01	0.00
<b>Transport</b>	<b>1,257.4</b>	<b>0.25</b>	<b>-0.55</b>	<b>-1.19</b>	<b>0.53</b>
Purchase of vehicles	442.6	0.01	-0.90	-0.71	0.53
Operation of personal transport equipment	763.3	0.24	0.42	-0.36	0.03
Transport services	51.5	0.00	-0.07	-0.13	-0.02
<b>Communications</b>	<b>849.6</b>	<b>-0.01</b>	<b>1.12</b>	<b>0.62</b>	<b>-0.25</b>
Telephone and telefax equipment	43.8	-0.01	0.02	0.03	-0.01
Telephone and telefax services	805.8	0.00	1.10	0.59	-0.24
<b>Recreation and culture</b>	<b>1,013.3</b>	<b>0.04</b>	<b>-0.63</b>	<b>-0.34</b>	<b>-0.01</b>
Audio-visual, photographic and information processing equipment	58.5	0.00	-0.07	-0.08	-0.08
Other major durables for recreation and culture	20.0	0.02	0.03	-0.02	-0.01
Other recreational items and equipment; gardens and pets	266.6	0.03	-0.08	0.06	0.18
Recreational and cultural services	309.1	0.00	-0.02	-0.01	0.01
Newspapers, books and stationery	43.7	-0.02	0.01	-0.01	0.02
Holidays	315.4	0.00	-0.51	-0.28	-0.13
<b>Education</b>	<b>98.0</b>	<b>0.19</b>	<b>0.19</b>	<b>0.19</b>	<b>0.02</b>
Pre primary and primary education	24.0	0.10	0.10	0.10	0.01
Secondary education	43.4	0.09	0.09	0.09	0.01
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>0.16</b>	<b>0.35</b>	<b>0.35</b>
Catering services	429.8	0.03	0.23	0.35	0.33
Accommodation services	12.2	0.00	-0.06	-0.01	0.02
<b>Miscellaneous goods and services</b>	<b>1,222.6</b>	<b>0.01</b>	<b>0.28</b>	<b>0.36</b>	<b>0.25</b>
Personal care	427.1	0.02	0.16	0.22	0.15
Personal effects n.e.c.	106.6	-0.01	0.06	0.08	0.04
Social protection	78.2	0.00	0.05	0.05	0.05
Insurance	610.7	0.00	0.01	0.01	0.01
<b>CPI</b>	<b>10,000.0</b>	<b>0.69</b>	<b>0.53</b>	<b>0.48</b>	<b>4.95</b>

Source: Central Bureau of Statistics Aruba

APPENDIX 3

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

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly Jul - Aug	End of period Aug 22 - Aug 23 12 months	Monthly Jul - Aug	End of period Aug 22 - Aug 23 12 months
<b>Food &amp; catering services</b>	<b>1,517.5</b>	<b>0.3</b>	<b>5.4</b>	<b>0.043</b>	<b>0.845</b>
<b>Food at home</b>	<b>1,087.7</b>	<b>0.1</b>	<b>4.4</b>	<b>0.012</b>	<b>0.493</b>
<b>Bread and cereals</b>	<b>178.1</b>	<b>0.2</b>	<b>8.7</b>	<b>0.005</b>	<b>0.159</b>
Rice	23.5	-0.3	21.3	-0.001	0.053
Bread	72.1	0.5	3.8	0.004	0.029
Pasta products	9.2	2.0	9.9	0.002	0.010
Other cereals and cereal products	73.3	0.0	9.5	0.000	0.066
<b>Meat</b>	<b>242.5</b>	<b>0.0</b>	<b>-0.7</b>	<b>0.000</b>	<b>-0.018</b>
Bovine	67.3	0.1	0.4	0.001	0.003
Swine	25.5	-0.4	-2.4	-0.001	-0.007
Poultry	75.7	-0.3	-9.1	-0.002	-0.081
Other meat and meat preparations	74.0	0.4	8.8	0.003	0.066
<b>Fish and other seafood</b>	<b>49.0</b>	<b>0.5</b>	<b>-1.0</b>	<b>0.003</b>	<b>-0.005</b>
Fish and seafood preparations	49.0	0.5	-1.0	0.003	-0.005
<b>Milk, cheese and eggs</b>	<b>135.3</b>	<b>-0.7</b>	<b>6.1</b>	<b>-0.010</b>	<b>0.090</b>
Cheese	55.4	-1.4	4.4	-0.009	0.026
Eggs	16.6	-0.2	-12.5	0.000	-0.031
Milk	40.0	0.5	18.0	0.002	0.071
Other milk products	23.3	-1.5	10.2	-0.004	0.023
<b>Oils and fats</b>	<b>32.2</b>	<b>-1.0</b>	<b>3.1</b>	<b>-0.004</b>	<b>0.011</b>
Corn oil	2.8	-0.4	1.9	0.000	0.001
Butter and margarine	9.2	-2.1	-5.7	-0.002	-0.006
Other oils and fats	20.1	-0.7	7.0	-0.002	0.016
<b>Fruit</b>	<b>97.6</b>	<b>-1.9</b>	<b>-6.2</b>	<b>-0.017</b>	<b>-0.059</b>
Oranges	9.4	1.1	-10.6	0.001	-0.014
Bananas and plantains	19.9	6.5	-3.8	0.009	-0.006
Apples	9.3	0.4	-3.4	0.000	-0.004
Avocado	5.0	-4.0	-13.9	-0.002	-0.006
Grapes	9.2	-15.5	-2.7	-0.016	-0.002
Nuts	11.9	0.3	6.6	0.000	0.007
Lemons and mandarins	6.0	-8.3	-9.9	-0.003	-0.004
Cherries and strawberries	8.8	-6.3	-17.1	-0.006	-0.019
Melons and watermelons	7.7	-2.1	-10.1	-0.001	-0.007
Papayas and pineapples	6.9	4.5	-1.6	0.002	-0.001
Other fruits and fruit products	3.5	-7.4	-7.0	-0.003	-0.002
<b>Potatoes and other tubers</b>	<b>18.2</b>	<b>8.4</b>	<b>11.3</b>	<b>0.013</b>	<b>0.017</b>
Potatoes	12.2	14.7	11.1	0.012	0.010
Other tubers	2.0	-1.8	16.9	0.000	0.004
Sweet potatoes and yucca	4.0	2.1	8.6	0.001	0.003
<b>Vegetables</b>	<b>89.1</b>	<b>0.5</b>	<b>3.8</b>	<b>0.004</b>	<b>0.030</b>
Lettuce	6.8	23.1	-5.2	0.006	-0.002
Tomatoes	9.7	6.0	-1.0	0.005	-0.001
Onions and garlic	18.7	0.3	12.0	0.000	0.019
Celery and broccoli	15.3	-4.2	-11.3	-0.005	-0.016
Other vegetables	15.3	-2.8	-0.9	-0.004	-0.001
Other preserved or processed vegetables	8.4	0.4	10.1	0.000	0.008
Frozen vegetable mixtures	14.8	0.3	16.1	0.000	0.022
<b>Sugar, jam, honey and other confectionery</b>	<b>42.0</b>	<b>2.1</b>	<b>13.8</b>	<b>0.010</b>	<b>0.060</b>
Sugar	12.1	4.3	18.9	0.007	0.026
Jams and jellies	2.5	0.4	0.8	0.000	0.000
Other confectionery products	27.5	1.2	12.3	0.004	0.034
<b>Food products n.e.c.</b>	<b>80.1</b>	<b>0.8</b>	<b>11.8</b>	<b>0.007</b>	<b>0.095</b>
Other food products	80.1	0.8	11.8	0.007	0.095
<b>Non-alcoholic beverages</b>	<b>123.6</b>	<b>0.2</b>	<b>9.0</b>	<b>0.002</b>	<b>0.115</b>
Coffee and tea	20.9	1.6	18.8	0.004	0.038
Other non-alcoholic beverages	14.6	0.4	3.9	0.001	0.006
Soft and sports drinks	31.0	0.1	10.4	0.000	0.033
Fruit juices	57.1	-0.4	6.2	-0.002	0.037
<b>Food away from home</b>	<b>429.8</b>	<b>0.6</b>	<b>7.9</b>	<b>0.031</b>	<b>0.352</b>
Food and beverage consumption away from home	429.8	0.6	7.9	0.031	0.352
<b>Other goods and services</b>	<b>8,482.5</b>	<b>0.8</b>	<b>-0.4</b>	<b>0.649</b>	<b>-0.369</b>
Other goods	4,735.8	1.0	-2.8	0.473	-1.339
Other services	3,746.7	0.5	2.7	0.176	0.969
<b>CPI</b>	<b>10,000</b>	<b>0.7</b>	<b>0.5</b>	<b>0.692</b>	<b>0.475</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	Base	Base	Base	CHANGE				CHANGE			
	Jun-19	Jun-19	Jun-19	Jun-19	Monthly	Year-to	Yearly	Period	Monthly	Year-to	Yearly	Period
=100.0	=100.0	=100.0	=100.0		date	(12 months)	(24 months)		date	(12 months)	(24 months)	
	<u>Jan.'22</u>	<u>Dec.'21</u>	<u>Jan.'23</u>	<u>Dec.'22</u>								
<u>Total Population</u>	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>								
<u>Total Population</u>	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>								
<u>Total Population</u>	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>								
<u>Total Population</u>	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>								
<u>Total Population</u>	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>								
<u>Total Population</u>	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>								
<u>Total Population</u>	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>								
<u>Total Population</u>	106.43	104.46	106.94	106.20	0.7	0.5	0.5	4.9	1.9	5.8	7.7	4.3
Low Income	106.46	103.79	107.89	107.23	0.6	1.4	1.3		2.6	6.3	8.0	
High Income	106.41	104.76	106.45	105.68	0.7	0.1	0.0		1.6	5.6	7.6	
	<u>Sep.'22</u>	<u>Aug.'22</u>	<u>Sep.'23</u>	<u>Aug.'23</u>								
<u>Total Population</u>	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>								
<u>Total Population</u>	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>								
<u>Total Population</u>	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>								
<u>Total Population</u>	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	81.34	35.80	36.84	48.47	12.50	274.57	168.73	268.80	225.60
September-23									
October-23									
November-23									
December-23									
<b>Average 2023</b>	<b>75.86</b>	<b>37.17</b>	<b>38.25</b>	<b>50.32</b>	<b>12.50</b>	<b>284.57</b>	<b>168.73</b>	<b>259.26</b>	<b>230.24</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**

