

Consumer Price Index, base period June 2019

September 2023

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

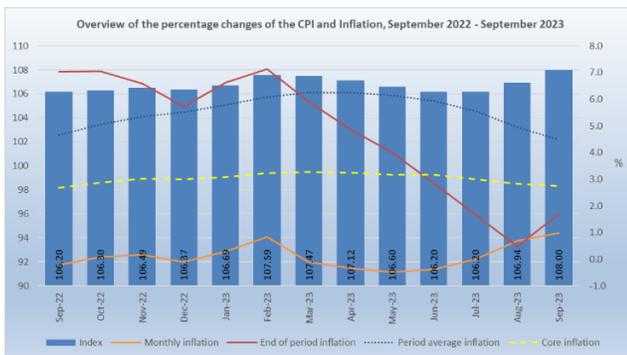


Consumer Price Index for the month of September 2023

The CPI for September 2023 (108.00), an increase of 1.0% compared to the index of August 2023 (106.94).

The percentage change of the CPI over the last twelve (12) months (September 2022 to September 2023) is 1.7, a decrease of 5.3 percentage points (ppts) compared to the percentage change for the same period of last year (7.0%).

The period average (last 24 months) percentage change of the CPI for the periods September 2021 to September 2022 and September 2022 to September 2023 is 4.5%, a decrease of 0.2 ppts compared to the period average percentage change over the periods September 2020 to September 2021 and September 2021 to September 2022 (4.7%).



During this month, eight (8) of the twelve (12) sectors registered increases in prices. The increases that had the greatest influence on the CPI were registered for the "Housing" (2.4%) and "Transport" (3.9%) sectors, which contributed with an effect of 0.62 and 0.52 ppts, respectively. The increases in the remaining sectors had an effect of 0.17 ppts on the CPI of September 2023.

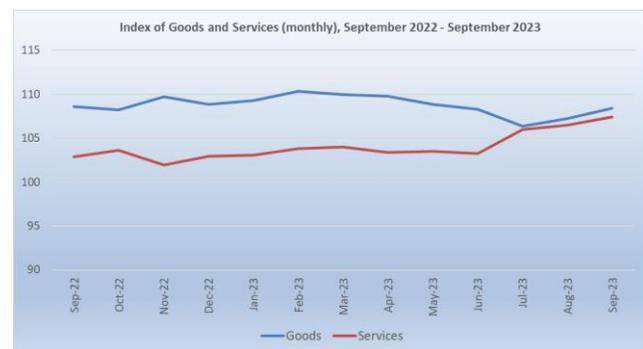
Aforementioned increases were partially offset mainly by a decrease in the index for the "Recreation and culture" (-2.6%) sector, which caused an effect of -0.23 ppt. The decreases in the remaining sectors had an effect of -0.09 ppts on the CPI of September 2023.

The increase in the "Housing" sector was mainly due to an increase in the category "Maintenance and repair of the dwelling" (11.7%), which contributed to an effect of 0.61 ppts. The increase in the "Transport" sector was due to increases of 4.5% and 3.6% in the categories "Operation of personal transport equipment" and "Purchase of vehicles", which contributed to an effect of respectively, 0.39 and 0.15 ppts.

The decrease in the "Recreation and culture" sector was mainly due to a decrease in the category "Holidays" (-8.6%), which contributed to an effect of -0.21 ppts.

Consumption basket

The consumption basket of the CPI consists of 408 goods and services. Compared to August 2023, 53.2% of these products had an increase in price, causing an effect of 1.70 ppts, while 31.1% showed a decrease, contributing to an effect of -0.70 ppts and the remaining 15.7% had no change in price. The prices of goods increased by 1.1% and caused an influence of 0.64 ppts. The prices of services showed an increase of 0.8% and had an influence of 0.35 ppts on the CPI of September 2023.



CPI (BASE JUN 2019 = 100)								CPI C			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
September	2023	108.00	↑ 1.0	↑ 1.5	↑ 1.7	↑ 4.5		↑ 1.1	↑ 0.8	↑	2.7	↑ 9.3	↑ 9.2	2,585	5,428
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
September	2022	106.20	-0.2	5.6	7.0	4.7		-0.2	-0.3		2.7	11.9	8.0	2,528	5,309

Core inflation

The CPIC (core inflation) - CPI excluding the effect of energy and food – was 2.7% in September 2023. The energy index - which consists of the products: electricity, water, gasoline and diesel – was 9.3%. The food index showed an increase of 9.2%.

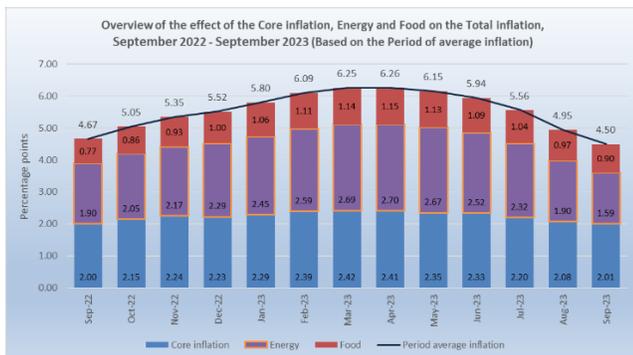
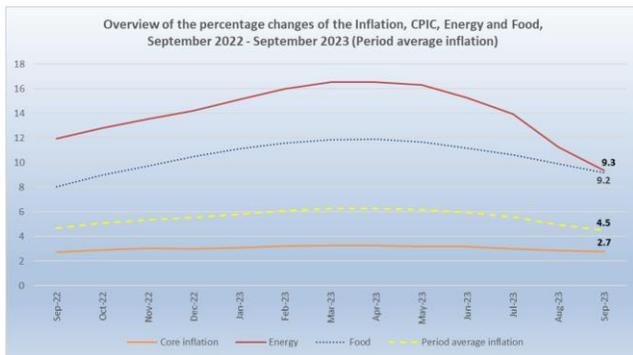
What is CPIC?

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

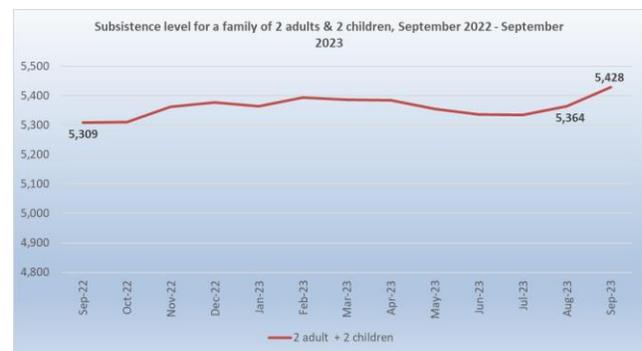
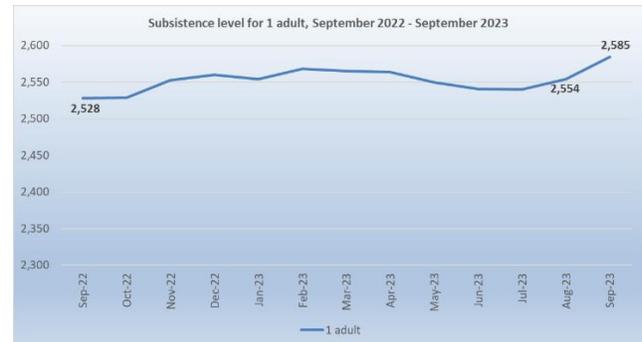
The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-15 years) in September 2023 is Afl. 5,428, an increase of Afl. 64 compared to August 2023 (Afl. 5,364). The subsistence level for a single adult household is Afl. 2,585, an increase of Afl. 31 compared to August 2023 (Afl. 2,554).

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 September 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 September 2023 the monthly subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) (Afl. 5,428) showed an increase of Afl. 119 compared to September 2022 (Afl. 5,309) and was mainly caused by an increase of Afl. 96 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	Sep-22	Sep-23	Absolute Change
Food and non-alcoholic beverages	2,159	2,255	96
Clothing and footwear	264	234	-30
Housing	1,623	1,645	22
Household operation	112	116	4
Health	82	83	1
Transport	347	340	-7
Communications	150	160	10
Recreation and culture	163	154	-9
Education	78	97	19
Miscellaneous goods and services	332	343	11
Total	5,309	5,428	119

Source: Central Bureau of Statistics Aruba

Table 2 Monthly Subsistence level in Aruba (in Afl.) by family size and composition, September 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
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
Sep-23	2,585	3,360	3,877	4,653	5,428

Source: Central Bureau of Statistics Aruba

In September 2023, the monthly subsistence level for a single adult household is Afl 2,585, which represents an income deficit of Afl. 692, a decrease of Afl. 21 compared to the deficit observed one year ago (Afl. 713). This deficit is the second highest registered over a period of six (6) years for the month September.

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

Period	1 adult	Minimum wage	Surplus/deficit
2018	2,203	1,711	-492
2019	2,332	1,762	-570
2020	2,277	1,815	-462
2021	2,304	1,815	-489
2022	2,528	1,815	-713
2023	2,585	1,893	-692

Source: Central Bureau of Statistics Aruba

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

	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Index CPI													
CPI (Monthly)	106.20	106.30	106.49	106.37	106.69	107.59	107.47	107.12	106.60	106.20	106.20	106.94	108.00
CPI (12-month average)	102.23	102.81	103.36	103.84	104.40	104.99	105.49	105.91	106.25	106.49	106.64	106.68	106.83
Percentage changes													
Monthly	-0.2	0.1	0.2	-0.1	0.3	0.8	-0.1	-0.3	-0.5	-0.4	0.0	0.7	1.0
Year-to-date	5.6	5.7	5.8	5.7	0.3	1.1	1.0	0.7	0.2	-0.2	-0.2	0.5	1.5
End of period	7.0	7.0	6.6	5.7	6.6	7.1	5.9	4.9	4.0	2.8	1.7	0.5	1.7
Period average	4.7	5.1	5.3	5.5	5.8	6.1	6.2	6.3	6.1	5.9	5.6	4.9	4.5
Index Goods													
Goods (Monthly)	108.58	108.22	109.72	108.82	109.27	110.31	109.96	109.78	108.82	108.30	106.36	107.25	108.42
Goods (12-month average)	102.08	102.97	103.92	104.69	105.55	106.48	107.24	107.93	108.46	108.84	108.91	108.78	108.77
Percentage changes													
Monthly	-0.2	-0.3	1.4	-0.8	0.4	0.9	-0.3	-0.2	-0.9	-0.5	-1.8	0.8	1.1
Year-to-date	9.0	8.7	10.2	9.3	0.4	1.4	1.0	0.9	0.0	-0.5	-2.3	-1.4	-0.4
End of period	10.5	10.9	11.7	9.3	10.3	11.3	9.1	8.1	6.2	4.4	0.9	-1.4	-0.1
Period average	6.4	7.1	7.8	8.1	8.6	9.2	9.5	9.7	9.6	9.3	8.6	7.5	6.6
Index Services													
Services (Monthly)	102.88	103.61	101.97	102.96	103.09	103.80	104.00	103.40	103.51	103.27	105.98	106.51	107.40
Services (12-month average)	102.44	102.60	102.58	102.66	102.79	102.92	103.05	103.09	103.17	103.23	103.47	103.75	104.13
Percentage changes													
Monthly	-0.3	0.7	-1.6	1.0	0.1	0.7	0.2	-0.6	0.1	-0.2	2.6	0.5	0.8
Year-to-date	0.9	1.6	0.0	0.9	0.1	0.8	1.0	0.4	0.5	0.3	2.9	3.4	4.3
End of period	2.3	1.9	-0.2	0.9	1.6	1.5	1.5	0.4	0.9	0.7	2.8	3.3	4.4
Period average	2.3	2.3	2.1	2.0	2.0	2.0	1.8	1.6	1.4	1.3	1.4	1.5	1.6
Indices CPIC, Energy & Food													
CPIC (12-month average)	101.09	101.40	101.65	101.83	102.11	102.45	102.73	102.98	103.20	103.41	103.53	103.68	103.86
Energy (12-month average)	106.16	107.70	109.28	110.74	112.20	113.69	114.93	115.88	116.55	116.77	116.82	116.23	116.07
Food (12-month average)	104.33	105.39	106.47	107.61	108.68	109.69	110.63	111.44	112.14	112.67	113.17	113.51	113.90
Percentage changes													
CPIC (Period average)	2.7	2.9	3.0	3.0	3.1	3.2	3.3	3.3	3.2	3.2	3.0	2.8	2.7
Energy (Period average)	11.9	12.8	13.5	14.2	15.1	16.0	16.5	16.5	16.3	15.3	14.0	11.3	9.3
Food (Period average)	8.0	9.0	9.7	10.5	11.1	11.6	11.9	11.9	11.7	11.2	10.6	9.9	9.2
Subsistence level (Monthly)													
1 adult	2,528	2,529	2,553	2,560	2,554	2,568	2,565	2,564	2,550	2,541	2,540	2,554	2,585
2 adults + 2 children	5,309	5,311	5,362	5,376	5,363	5,393	5,386	5,384	5,354	5,336	5,334	5,364	5,428
Changes in AfI													
1 adult (Monthly)	15	1	24	7	-6	14	-3	-1	-14	-9	-1	14	31
1 adult (Yearly)	224	218	222	223	211	220	193	182	147	127	100	41	57
2 adults + 2 children (Monthly)	31	2	51	14	-13	30	-7	-2	-30	-18	-2	30	64
2 adults + 2 children (Yearly)	470	457	466	469	443	462	406	381	308	266	210	86	119

Source: Central Bureau of Statistics Aruba

Table 5 Percentage change by sector

Sector	Weight coefficient	Effect Aug - Sep	Percentage changes			
			Monthly Aug - Sep	Year-to-date Dec - Sep	End of period Sep 22 - Sep 23	Period average Sep 21/22 - Sep 22/23
CPI	10,000.0	0.99	1.0	1.5	1.7	4.5
01. Food and non-alcoholic beverages	1,087.7	0.08	0.6	1.0	4.5	9.3
02. Alcoholic beverages and tobacco	78.2	0.00	0.3	4.1	5.0	5.1
03. Clothing and footwear	276.8	-0.01	-0.5	-10.0	-11.4	-4.4
04. Housing	2,522.2	0.62	2.4	1.0	1.4	9.4
05. Household operation	929.2	-0.06	-0.7	4.7	3.1	4.1
06. Health	223.1	0.01	0.3	1.0	1.1	3.6
07. Transport	1,257.4	0.52	3.9	-0.2	-2.0	2.4
08. Communications	849.6	-0.01	-0.2	15.2	7.3	-2.3
09. Recreation and culture	1,013.3	-0.23	-2.6	-8.9	-5.0	-0.6
10. Education	98.0	0.05	4.6	25.2	25.2	3.9
11. Restaurants and hotels	442.0	0.03	0.6	4.1	7.6	7.6
12. Miscellaneous goods and services	1,222.6	0.01	0.0	2.5	3.2	2.2

Source: Central Bureau of Statistics Aruba

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

Category	Monthly change	Effect
Maintenance and repair of the dwelling	11.7	0.61
Operation of personal transport equipment	4.5	0.39
Purchase of vehicles	3.6	0.15
Food	0.8	0.08

Source: Central Bureau of Statistics Aruba

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

Category	Monthly change	Effect
Holidays	-8.6	-0.21
Household appliances	-5.2	-0.13
Audio-visual, photographic and information processing equipment	-9.3	-0.04
Footwear	-6.8	-0.04

Source: Central Bureau of Statistics Aruba

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

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In September 2023 the average price per barrel of crude oil (US\$ 88.11) had an increase of US\$ 6.77 (8.3%) compared to August 2023 (US\$ 81.34).

The prices of electricity and water did not change compared to August 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 September 2023 the price of gasoline registered an increase of Afl. 14.90 cents (5.5%) and had an effect of 0.29 pts on the CPI. The price of diesel registered an increase of Afl. 26.10 cents (11.6%) and had an effect of 0.04 pts on the CPI of September 2023.

In September 2023, utilities, gasoline and diesel as a group, showed an increase in price of 1.9% compared to August 2023, and had an influence of 0.33 pts on the CPI, while the remaining 404 goods and services, as a group, show an increase of 0.8% and had an effect of 0.66 pts on the CPI.

Table 9 Effect on the CPI of September 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	5.5	0.29	5.9	0.30
Water	367.3	0.0	0.00	0.0	0.00
Diesel	30.2	11.6	0.04	-6.7	-0.03
Total group	1,638.1	1.9	0.33	-1.6	-0.30
Remaining goods and services	8,361.9	0.8	0.66	2.4	1.99
CPI	10,000.0	1.0	0.99	1.7	1.69

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	88.11	35.80	36.84	274.57	168.73	283.70	251.70
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							
Yearly Average	95.14	34.19	35.18	262.78	150.17	275.90	263.17	77.22	37.01	38.09	283.46	168.73	261.98	232.62

Source: Central Bureau of Statistics Aruba

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

² Total energy charge in Afl. cents per kWh

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

⁴ Water price in Afl. is based on an average household usage in m³

⁵ Gasoline and diesel prices in Afl. cents per liter

Change in prices of Food & catering services in September 2023

The “Food & catering services” index showed an increase of 0.6% in September 2023, after an increase of 0.3% in August 2023. The index for “Food at home” showed an increase of 0.6% in September, as eight (8) of the eleven (11) “Food at home” indices increased in September 2023. The “Fruit” index registered the largest increase (4.8%) in September 2023. Furthermore, other significant increases were posted in the indices for “Fish and other seafood” (2.0%), “Sugar, jam, honey and other confectionery” (1.1%), “Oils and fats” (0.9%) and “Food products n.e.c.” (0.7%). The largest decrease was registered in the index for “Vegetables” (-2.2%) in September 2023.

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

In September 2023, “Food at home” and “Food away from home” as a group showed an increase in price of 0.6% compared to August 2023, and had an effect of 0.10 ppts on the CPI, while the remaining goods and services, as a group, experienced an increase in price of 1.1%, causing an effect of 0.89 ppts on the CPI.

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

Category	Weight	Monthly change	Effect
<i>Food at home</i>	1,087.7	0.6	0.08
<i>Food away from home</i>	429.8	0.6	0.03
<i>Total group</i>	1,517.5	0.6	0.10
<i>Remaining goods and services</i>	8,482.5	1.1	0.89
<i>CPI</i>	10,000.0	1.0	0.99

Source: Central Bureau of Statistics Aruba

Table 10 Percentage change for Food & catering services

	Weight coefficient	Indices			Percentage changes			Effect	
		Sep-22	Aug-23	Sep-23	Monthly Jul - Aug	Monthly Aug - Sep	End of period Sep 22 - Sep 23	Monthly Aug - Sep	End of period Sep 22 - Sep 23
Food & catering services	1,517.5	110.70	116.07	116.79	0.3	0.6	5.5	0.103	0.871
Food at home	1,087.7	110.54	114.75	115.49	0.1	0.6	4.5	0.075	0.506
<i>Bread and cereals</i>	178.1	110.27	118.55	119.28	0.2	0.6	8.2	0.012	0.151
<i>Meat</i>	242.5	117.64	116.73	117.29	0.0	0.5	-0.3	0.013	-0.008
<i>Fish and other seafood</i>	49.0	111.18	111.40	113.67	0.5	2.0	2.2	0.010	0.012
<i>Milk, cheese and eggs</i>	135.3	114.94	121.88	122.66	-0.7	0.6	6.7	0.010	0.098
<i>Oils and fats</i>	32.2	122.83	123.75	124.84	-1.0	0.9	1.6	0.003	0.006
<i>Fruit</i>	97.6	107.30	97.83	102.51	-1.9	4.8	-4.5	0.043	-0.044
<i>Potatoes and other tubers</i>	18.2	89.34	95.63	94.86	8.4	-0.8	6.2	-0.001	0.009
<i>Vegetables</i>	89.1	90.54	96.55	94.45	0.5	-2.2	4.3	-0.018	0.033
<i>Sugar, jam, honey and other confectionery</i>	42.0	110.73	125.18	126.55	2.1	1.1	14.3	0.005	0.063
<i>Food products n.e.c.</i>	80.1	107.56	119.66	120.51	0.8	0.7	12.0	0.006	0.098
<i>Non-alcoholic beverages</i>	123.6	110.72	119.11	118.35	0.2	-0.6	6.9	-0.009	0.030
Food away from home	429.8	111.10	119.42	120.11	0.6	0.6	8.1	0.028	0.365
Other goods and services	8,482.5	105.40	105.30	106.43	0.8	1.1	1.0	0.889	0.821
<i>Other goods</i>	4,735.8	108.13	105.52	106.80	1.0	1.2	-1.2	0.566	-0.593
<i>Other services</i>	3,746.7	101.94	105.03	105.95	0.5	0.9	3.9	0.322	1.414
CPI	10,000.0	106.20	106.94	108.00	0.7	1.0	1.7	0.991	1.692

Source: Central Bureau of Statistics Aruba

CPI for the period September 2022 – September 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 “Communications” (7.3%), “Food and non-alcoholic beverages” (4.5%), “Miscellaneous goods and services” (3.2%), “Housing” (1.4%) and “Restaurants and hotels” (7.6%) sectors, which contributed with an effect of 0.57, 0.51, 0.37, 0.36 and 0.35 ppts, respectively. The increases in the remaining sectors had an effect of 0.58 ppts on the CPI of September 2022 - September 2023.



Aforementioned increases were partially offset by a decrease in the index for the “Recreation and culture” (-5.0%) sector, causing an effect of -0.47 ppts.

The increase in the “Communications” sector was due to an increase in the category “Telephone and telefax services” (7.9%), which contributed to an effect of 0.51 ppts. The increase in the “Food and non-alcoholic beverages” sector was mainly due to an increase in the category “Food” (4.2%), which contributed to an effect of 0.42 ppts. The increase in the “Miscellaneous goods and services” sector was mainly due to an increase in the category “Personal care” (5.4%), which contributed to an effect of 0.21 ppts. The increase in the “Housing” sector was mainly due to an increase of 13.5% in the category “Maintenance and repair of the dwelling”, which contributed to an effect of 0.70 ppts. The increase in the “Restaurants and hotels” sector was due to an increase in the category “Catering services” (8.1%), which contributed to an effect of 0.36 ppts.

The decrease in the “Recreation and culture” sector was mainly due to a decrease in the category “Holidays” (-12.8%), which contributed to an effect of -0.33 ppts.

Consumption basket

Over the last year 60.5% of the products in the consumption basket had an increase in price, causing an effect of 5.31 ppts, while 34.6% showed a decrease, contributing to an effect of -3.62 ppts and the remaining 4.9% had no change in price. The prices of goods decreased by 0.1% and caused an influence of -0.09 ppts. The prices of services showed an increase of 4.4% and had an influence of 1.78 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. 119, from Afl. 5,309 in September 2022 to Afl. 5,428 in September 2023. This increase was mainly due to an increase in the “Food and non-alcoholic beverages” (Afl. 96) sector.

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

The average price per barrel of crude oil registered an increase of US\$ 2.74 (3.2%) from US\$ 85.37 in September 2022 to US\$ 88.11 in September 2023.

The energy index decreased by 1.6% over the past 12 months and had an influence of -0.30 ppts. The index of “Gasoline” (5.9%) registered an increase over the last year, contributing with an effect of 0.30 ppts, while the index of “Diesel” (-6.7%) registered a decrease over the last year and contributed with an effect of -0.03 ppts. 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” did not register any change over this period. The remaining 404 goods and services, as a group, show an increase of 2.4% and had an effect of 1.99 ppts on the CPI.

Change in prices of Food & catering services

Over the last 12 months, the “Food & catering services” increased by 5.5%. The “Food at home” index showed an increase of 4.5%, where nine (9) of the “Food at home” food groups increased over the period.

The “Sugar, jam, honey and other confectionery” index increased by 14.3%, 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.” (12.0%), “Bread and cereals” (8.2%), “Non-alcoholic beverages” (6.9%), “Milk, cheese and eggs” (6.7%) and “Potatoes and other tubers” (6.2%). The largest decrease was registered in the index for “Fruit” (-4.5%) in September 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 September 2023, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	2022 Sep	2022 Dec	2023 Aug	2023 Sep	Monthly Aug - Sep	Ytd Dec - Sep	End of period Sep 22 - Sep 23 12 months	Period average Sep 21/22 - Sep 22/23 24 months
Food and non-alcoholic beverages	1,087.7	110.54	114.32	114.75	115.49	0.6	1.0	4.5	9.3
Food	964.1	110.52	114.32	114.19	115.12	0.8	0.7	4.2	9.2
Non-alcoholic beverages	123.6	110.72	114.36	119.11	118.35	-0.6	3.5	6.9	10.1
Alcoholic beverages and tobacco	78.2	105.42	106.28	110.36	110.67	0.3	4.1	5.0	5.1
Alcoholic beverages for consumption at home	62.2	104.57	105.75	108.68	109.07	0.4	3.1	4.3	4.9
Tobacco	16.0	108.74	108.32	116.85	116.89	0.0	7.9	7.5	5.8
Clothing and footwear	276.8	96.85	95.40	86.27	85.85	-0.5	-10.0	-11.4	-4.4
Clothing	212.8	100.41	98.09	85.49	86.76	1.5	-11.5	-13.6	-5.4
Footwear	64.0	85.02	86.46	88.86	82.84	-6.8	-4.2	-2.6	-0.6
Housing	2,522.2	109.92	110.31	108.78	111.42	2.4	1.0	1.4	9.4
Actual rentals for housing	666.7	104.95	105.34	106.39	106.53	0.1	1.1	1.5	1.5
Imputed rentals for housing	34.4	96.49	94.59	94.59	94.59	0.0	0.0	-2.0	-0.8
Maintenance and repair of the dwelling	517.0	106.71	106.52	108.40	121.07	11.7	13.7	13.5	6.1
Water supply and miscellaneous services relating to the dwelling	463.6	120.59	120.59	121.83	121.83	0.0	1.0	1.0	15.5
Electricity, gas and other fuels	840.4	110.49	111.55	104.30	104.30	0.0	-6.5	-5.6	15.3
Household operation	929.2	100.76	99.17	104.56	103.85	-0.7	4.7	3.1	4.1
Furniture, furnishings, carpets and other floor coverings	128.8	75.21	81.61	78.10	84.14	7.7	3.1	11.9	7.8
Household textiles	58.6	78.98	75.62	72.86	74.12	1.7	-2.0	-6.1	-3.6
Household appliances	246.0	108.85	99.86	111.07	105.32	-5.2	5.5	-3.2	3.4
Glassware, tableware and household utensils	17.2	74.51	78.74	64.79	59.41	-8.3	-24.5	-20.3	-9.7
Tools and equipment for house and garden	58.2	132.68	130.46	143.68	142.54	-0.8	9.3	7.4	5.6
Goods and services for routine household maintenance and cleaning	420.5	103.55	103.93	109.50	109.64	0.1	5.5	5.9	4.7
Health	223.1	99.76	99.92	100.56	100.89	0.3	1.0	1.1	3.6
Medical products, appliances and equipment	152.3	97.48	97.77	98.00	97.74	-0.3	0.0	0.3	2.8
Out-patient services	52.4	106.48	105.35	106.89	107.84	0.9	2.4	1.3	6.5
Other treatments	7.8	100.39	99.18	100.30	101.03	0.7	1.9	0.6	4.3
Health products and services n.e.c.	10.5	98.76	104.45	106.40	111.79	5.1	7.0	13.2	-0.2
Transport	1,257.4	119.06	117.02	112.35	116.73	3.9	-0.2	-2.0	2.4
Purchase of vehicles	442.6	116.86	119.92	98.21	101.72	3.6	-15.2	-13.0	8.6
Operation of personal transport equipment	763.3	120.61	116.38	122.20	127.71	4.5	9.7	5.9	-0.1
Transport services	51.5	115.03	101.58	87.79	83.00	-5.5	-18.3	-27.8	-10.4
Communications	849.6	98.00	91.24	105.29	105.13	-0.2	15.2	7.3	-2.3
Telephone and telefax equipment	43.8	79.47	71.55	77.44	74.29	-4.1	3.8	-6.5	-1.5
Telephone and telefax services	805.8	99.01	92.31	106.80	106.80	0.0	15.7	7.9	-2.3
Recreation and culture	1,013.3	97.46	101.62	94.97	92.54	-2.6	-8.9	-5.0	-0.6
Audio-visual, photographic and information processing equipment	58.5	96.38	90.91	78.95	71.60	-9.3	-21.2	-25.7	-15.5
Other major durables for recreation and culture	20.0	115.70	85.51	103.85	103.23	-0.6	20.7	-10.8	-5.1
Other recreational items and equipment; gardens and pets	266.6	107.13	109.89	106.56	107.48	0.9	-2.2	0.3	6.3
Recreational and cultural services	309.1	101.97	102.19	101.59	101.65	0.1	-0.5	-0.3	0.2
Newspapers, books and stationery	43.7	81.64	85.10	87.59	86.24	-1.5	1.3	5.6	6.8
Holidays	315.4	86.10	99.36	82.11	75.08	-8.6	-24.4	-12.8	-5.7
Education	98.0	104.79	104.79	125.43	131.23	4.6	25.2	25.2	3.9
Pre primary and primary education	24.0	100.00	100.00	142.86	142.86	0.0	42.9	42.9	7.1
Secondary education	43.4	110.44	110.44	132.63	145.73	9.9	32.0	32.0	4.3
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	9.4
Restaurants and hotels	442.0	109.74	113.51	117.45	118.12	0.6	4.1	7.6	7.6
Catering services	429.8	111.10	113.82	119.42	120.11	0.6	5.5	8.1	7.5
Accommodation services	12.2	61.79	102.82	47.90	48.17	0.6	-53.2	-22.0	17.7
Miscellaneous goods and services	1,222.6	100.70	101.36	103.84	103.88	0.0	2.5	3.2	2.2
Personal care	427.1	98.25	99.67	103.65	103.56	-0.1	3.9	5.4	4.0
Personal effects n.e.c.	106.6	94.72	96.61	102.85	103.75	0.9	7.4	9.5	5.3
Social protection	78.2	126.67	126.67	133.33	133.33	0.0	5.3	5.3	4.4
Insurance	610.7	100.14	100.14	100.36	100.36	0.0	0.2	0.2	0.2
CPI	10,000.0	106.20	106.37	106.94	108.00	1.0	1.5	1.7	4.5

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 September 2023, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly Aug - Sep	Ytd Dec - Sep	End of period Sep 22 - Sep 23 12 months	Period average Sep 21/22 - Sep 22/23 24 months
Food and non-alcoholic beverages	1,087.7	0.08	0.12	0.51	1.03
Food	964.1	0.08	0.07	0.42	0.90
Non-alcoholic beverages	123.6	-0.01	0.05	0.09	0.13
Alcoholic beverages and tobacco	78.2	0.00	0.03	0.04	0.04
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
Clothing and footwear	276.8	-0.01	-0.25	-0.29	-0.11
Clothing	212.8	0.03	-0.23	-0.27	-0.11
Footwear	64.0	-0.04	-0.02	-0.01	0.00
Housing	2,522.2	0.62	0.26	0.36	2.34
Actual rentals for housing	666.7	0.01	0.07	0.10	0.10
Imputed rentals for housing	34.4	0.00	0.00	-0.01	0.00
Maintenance and repair of the dwelling	517.0	0.61	0.71	0.70	0.32
Water supply and miscellaneous services relating to the dwelling	463.6	0.00	0.05	0.05	0.74
Electricity, gas and other fuels	840.4	0.00	-0.57	-0.49	1.19
Household operation	929.2	-0.06	0.41	0.27	0.37
Furniture, furnishings, carpets and other floor coverings	128.8	0.07	0.03	0.11	0.08
Household textiles	58.6	0.01	-0.01	-0.03	-0.02
Household appliances	246.0	-0.13	0.13	-0.08	0.08
Glassware, tableware and household utensils	17.2	-0.01	-0.03	-0.02	-0.01
Tools and equipment for house and garden	58.2	-0.01	0.07	0.05	0.04
Goods and services for routine household maintenance and cleaning	420.5	0.01	0.23	0.24	0.20
Health	223.1	0.01	0.02	0.02	0.08
Medical products, appliances and equipment	152.3	0.00	0.00	0.00	0.04
Out-patient services	52.4	0.00	0.01	0.01	0.03
Other treatments	7.8	0.00	0.00	0.00	0.00
Health products and services n.e.c.	10.5	0.01	0.01	0.01	0.00
Transport	1,257.4	0.52	-0.03	-0.28	0.34
Purchase of vehicles	442.6	0.15	-0.76	-0.63	0.40
Operation of personal transport equipment	763.3	0.39	0.81	0.51	-0.01
Transport services	51.5	-0.02	-0.09	-0.16	-0.05
Communications	849.6	-0.01	1.11	0.57	-0.18
Telephone and telefax equipment	43.8	-0.01	0.01	-0.02	-0.01
Telephone and telefax services	805.8	0.00	1.10	0.59	-0.18
Recreation and culture	1,013.3	-0.23	-0.86	-0.47	-0.06
Audio-visual, photographic and information processing equipment	58.5	-0.04	-0.11	-0.14	-0.09
Other major durables for recreation and culture	20.0	0.00	0.03	-0.02	-0.01
Other recreational items and equipment; gardens and pets	266.6	0.02	-0.06	0.01	0.17
Recreational and cultural services	309.1	0.00	-0.02	-0.01	0.01
Newspapers, books and stationery	43.7	-0.01	0.00	0.02	0.02
Holidays	315.4	-0.21	-0.72	-0.33	-0.16
Education	98.0	0.05	0.24	0.24	0.04
Pre primary and primary education	24.0	0.00	0.10	0.10	0.02
Secondary education	43.4	0.05	0.14	0.14	0.02
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
Restaurants and hotels	442.0	0.03	0.19	0.35	0.35
Catering services	429.8	0.03	0.25	0.36	0.34
Accommodation services	12.2	0.00	-0.06	-0.02	0.01
Miscellaneous goods and services	1,222.6	0.01	0.29	0.37	0.27
Personal care	427.1	0.00	0.16	0.21	0.16
Personal effects n.e.c.	106.6	0.01	0.07	0.09	0.05
Social protection	78.2	0.00	0.05	0.05	0.04
Insurance	610.7	0.00	0.01	0.01	0.01
CPI	10,000.0	0.99	1.53	1.69	4.50

Source: Central Bureau of Statistics Aruba

APPENDIX 3

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

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly Aug - Sep	End of period Sep 22 - Sep 23 12 months	Monthly Aug - Sep	End of period Sep 22 - Sep 23 12 months
Food & catering services	1,517.5	0.6	5.5	0.103	0.871
Food at home	1,087.7	0.6	4.5	0.075	0.506
Bread and cereals	178.1	0.6	8.2	0.012	0.151
Rice	23.5	1.1	17.3	0.003	0.046
Bread	72.1	0.5	5.0	0.004	0.039
Pasta products	9.2	-0.2	8.0	0.000	0.008
Other cereals and cereal products	73.3	0.7	8.2	0.005	0.058
Meat	242.5	0.5	-0.3	0.013	-0.008
Bovine	67.3	0.3	0.4	0.002	0.003
Swine	25.5	2.0	-1.2	0.005	-0.003
Poultry	75.7	-0.3	-8.2	-0.002	-0.073
Other meat and meat preparations	74.0	0.9	8.5	0.007	0.065
Fish and other seafood	49.0	2.0	2.2	0.010	0.012
Fish and seafood preparations	49.0	2.0	2.2	0.010	0.012
Milk, cheese and eggs	135.3	0.6	6.7	0.010	0.098
Cheese	55.4	0.5	5.7	0.003	0.034
Eggs	16.6	0.3	-10.2	0.001	-0.025
Milk	40.0	0.3	17.3	0.001	0.069
Other milk products	23.3	1.9	8.8	0.005	0.021
Oils and fats	32.2	0.9	1.6	0.003	0.006
Corn oil	2.8	-1.3	-1.1	-0.001	0.000
Butter and margarine	9.2	3.1	-5.4	0.003	-0.005
Other oils and fats	20.1	0.4	5.1	0.001	0.012
Fruit	97.6	4.8	-4.5	0.043	-0.044
Oranges	9.4	0.7	-12.3	0.001	-0.017
Bananas and plantains	19.9	1.8	-10.1	0.003	-0.018
Apples	9.3	-1.9	-8.7	-0.002	-0.009
Avocado	5.0	-3.8	-17.0	-0.001	-0.007
Grapes	9.2	4.1	7.8	0.004	0.007
Nuts	11.9	-0.3	4.5	0.000	0.005
Lemons and mandarins	6.0	1.4	-13.6	0.001	-0.006
Cherries and strawberries	8.8	36.2	8.0	0.034	0.009
Melons and watermelons	7.7	-0.1	-14.1	0.000	-0.011
Papayas and pineapples	6.9	4.4	4.0	0.002	0.002
Other fruits and fruit products	3.5	8.1	0.0	0.003	0.000
Potatoes and other tubers	18.2	-0.8	6.2	-0.001	0.009
Potatoes	12.2	-1.2	4.5	-0.001	0.004
Other tubers	2.0	3.7	17.6	0.001	0.004
Sweet potatoes and yucca	4.0	-2.8	3.1	-0.001	0.001
Vegetables	89.1	-2.2	4.3	-0.018	0.033
Lettuce	6.8	-21.1	-32.1	-0.007	-0.012
Tomatoes	9.7	2.0	-0.2	0.002	0.000
Onions and garlic	18.7	-6.1	12.5	-0.011	0.019
Celery and broccoli	15.3	-2.3	-1.9	-0.003	-0.002
Other vegetables	15.3	-0.2	-1.6	0.000	-0.002
Other preserved or processed vegetables	8.4	0.9	10.5	0.001	0.009
Frozen vegetable mixtures	14.8	0.3	16.3	0.000	0.022
Sugar, jam, honey and other confectionery	42.0	1.1	14.3	0.005	0.063
Sugar	12.1	2.7	24.3	0.004	0.033
Jams and jellies	2.5	0.7	1.1	0.000	0.000
Other confectionery products	27.5	0.3	10.6	0.001	0.030
Food products n.e.c.	80.1	0.7	12.0	0.006	0.098
Other food products	80.1	0.7	12.0	0.006	0.098
Non-alcoholic beverages	123.6	-0.6	6.9	-0.009	0.089
Coffee and tea	20.9	-2.4	14.2	-0.006	0.029
Other non-alcoholic beverages	14.6	0.6	4.3	0.001	0.006
Soft and sports drinks	31.0	0.1	9.3	0.000	0.030
Fruit juices	57.1	-0.7	3.8	-0.004	0.023
Food away from home	429.8	0.6	8.1	0.028	0.365
Food and beverage consumption away from home	429.8	0.6	8.1	0.028	0.365
Other goods and services	8,482.5	1.1	1.0	0.889	0.821
Other goods	4,735.8	1.2	-1.2	0.566	-0.593
Other services	3,746.7	0.9	3.9	0.322	1.414
CPI	10,000	1.0	1.7	0.991	1.692

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>								
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	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>								
Total Population	106.20	106.43	108.00	106.94	1.0	1.5	1.7	4.5	-0.2	5.6	7.0	4.7
Low Income	106.26	106.46	108.83	107.89	0.9	2.2	2.4		-0.2	6.1	7.2	
High Income	106.16	106.41	107.57	106.45	1.1	1.2	1.3		-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 oil ¹	Electricity components					Water ⁵	Gasoline ⁶	Diesel ⁶
		Total energy charge ²			Fixed charge ³	Electricity ⁴			
		≤ 500 kWh	501 - 1000 kWh	> 1001 kWh					
Average 2001	26.01	24.59	22.09	22.09	0.00	172.79	89.40	128.34	90.10
Average 2002	26.06	24.89	22.39	22.39	0.00	174.91	90.82	127.20	88.68
Average 2003	34.49	27.02	24.52	24.52	0.00	190.38	99.21	139.21	100.18
Average 2004	41.31	27.18	24.68	24.68	0.00	191.57	100.02	152.51	113.05
Average 2005	56.36	31.10	28.60	28.60	0.00	219.97	113.69	167.74	136.04
Average 2006	66.12	35.91	33.41	33.41	0.00	254.88	128.70	176.22	149.77
Average 2007	72.08	36.59	34.09	34.09	0.00	259.84	133.59	200.43	168.38
Average 2008	99.87	45.67	43.17	43.17	0.00	325.67	161.80	228.19	214.48
Average 2009	61.46	37.33	34.83	34.83	0.00	265.17	139.60	175.15	142.53
Average 2010	79.22	43.92	41.42	41.42	0.00	312.98	159.21	193.43	163.22
Average 2011	94.74	47.58	47.57	47.57	0.00	345.14	177.47	229.48	203.46
Average 2012	94.25	47.68	51.21	53.46	0.00	353.85	171.13	235.53	210.07
Average 2013	98.00	41.10	44.90	58.40	0.00	306.75	137.05	229.48	205.83
Average 2014	93.49	42.58	45.32	57.77	0.63	315.71	137.05	224.24	200.21
Average 2015	48.71	47.02	46.56	55.87	2.50	342.59	137.05	179.74	147.80
Average 2016	43.17	40.40	41.80	47.64	12.50	308.76	137.05	165.87	131.12
Average 2017	50.85	34.52	35.72	45.93	12.50	265.65	137.05	180.79	147.69
Average 2018	65.08	34.52	35.72	45.93	12.50	265.65	137.05	204.95	177.59
Average 2019	56.84	34.52	35.72	45.93	12.50	265.65	137.05	202.67	176.53
Average 2020	39.25	31.09	31.99	42.09	12.50	240.09	137.05	177.93	143.26
Average 2021	67.78	31.09	31.99	42.09	12.50	240.09	137.05	223.34	181.95
January-22	83.06	31.09	31.99	42.09	12.50	240.09	137.05	230.60	195.00
February-22	91.32	31.09	31.99	42.09	12.50	240.09	137.05	245.70	214.10
March-22	108.58	31.09	31.99	42.09	12.50	240.09	137.05	261.00	228.80
April-22	102.29	31.09	31.99	42.09	12.50	240.09	137.05	291.00	274.50
May-22	109.31	31.09	31.99	42.09	12.50	240.09	137.05	289.00	289.00
June-22	115.29	31.09	31.99	42.09	12.50	240.09	137.05	321.20	290.30
July-22	103.21	31.09	31.99	42.09	12.50	240.09	137.05	335.70	312.70
August-22	93.74	38.53	39.65	52.16	12.50	294.56	167.75	293.20	278.50
September-22	85.37	38.53	39.65	52.16	12.50	294.56	168.73	268.00	269.90
October-22	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
Average 2022	95.16	34.19	35.18	46.29	12.50	262.78	150.17	275.90	263.17
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	88.11	35.80	36.84	48.47	12.50	274.57	168.73	283.70	251.70
October-23									
November-23									
December-23									
Average 2023	77.22	37.01	38.09	50.11	12.50	283.46	168.73	261.98	232.62

Source: Central Bureau of Statistics Aruba

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

² Total energy charge in Afl. cents per kWh

³ Fixed charge was introduced in October 2014 at Afl. 2.50

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

⁵ Water price in Afl. is based on an average household usage

⁶ Gasoline and diesel prices in Afl. cents per liter

APPENDIX 6

