

Consumer Price Index, base period June 2019

January 2023

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

Consumer Price Index for the month of January 2023

The CPI for January 2023 is 106.69, an increase of 0.3% compared to the index of December 2022 (106.37).

The percentage change of the CPI over the last twelve (12) months (January 2022 to January 2023) is 6.6, an increase of 3.3 percentage points (ppts) compared to the percentage change for the same period of last year (3.3%).

The period average (last 24 months) percentage change of the CPI for the periods February 2021 to January 2022 and February 2022 to January 2023 is 5.8%, an increase of 4.6 ppts compared to the period average percentage change over the periods February 2020 to January 2021 and February 2021 to January 2022 (1.2%).

During this month, seven (7) of the twelve (12) sectors registered increases in prices. The increases that had the greatest influence on the CPI were registered for the “Household operation” (6.7%) and “Housing” (1.0%) sectors, which contributed with an effect of 0.58 and 0.25 ppts, respectively. The increases in the remaining sectors had an effect of 0.37 ppts on the CPI of January 2023.

Aforementioned increases were partially offset mainly by decreases in the indices for the “Recreation and culture” (-4.4%) and “Clothing and footwear” (-9.1%) sectors, causing an effect of -0.43 and -0.23 ppts. The decreases in the remaining sectors had an effect of -0.25 ppts on the CPI of January 2023.

The increase in the “Household operation” sector was mainly due to an increase in the category “Household appliances” (12.1%), which contributed to an effect of 0.28 ppts. The increase in the “Housing” sector was mainly due to an increase of 4.6% in the category “Maintenance and repair of the dwelling”, which contributed to an effect of 0.24 ppts.

The decrease in the “Recreation and culture” sector was mainly due to a decrease in the category “Holidays” (-14.8%), which contributed to an effect of -0.44 ppts. The decrease in the “Clothing and footwear” sector was mainly due to a decrease in the category “Clothing” (-9.8%), which contributed to an effect of -0.19 ppts.

Consumption basket

The consumption basket of the CPI consists of 408 goods and services. Compared to December 2022, 57.4% of these products had an increase in price, causing an effect of 1.88 ppts, while 32.6% showed a decrease, contributing to an effect of -1.58 ppts and the remaining 10.0% had no change in price. The prices of goods increased by 0.4% and caused an influence of 0.25 ppts. The prices of services showed an increase of 0.1% and had an influence of 0.05 ppts on the CPI of January 2023.

Core inflation

The CPIC (core inflation) - CPI excluding the effect of energy and food – was 3.1% in January 2023. The energy index - which consists of the products: electricity, water, gasoline and diesel – was 15.1%. The food index showed an increase of 11.1%.

Subsistence level

The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-15 years) in January 2023 is Afl. 5,363, a decrease of Afl. 13 compared to December 2022 (Afl. 5,376). The subsistence level for a single adult household is Afl. 2,554, a decrease of Afl. 6 compared to December 2022 (Afl. 2,560).

 central bureau of statistics JANUARY 2023		
CPI (BASE JUN 2019 = 100)		
Index	↑	106.69
Monthly	↑	0.3
Year-to-date	↑	0.3
End of period	↑	6.6
Period average	↑	5.8
Goods	↑	0.4
Services	↑	0.1
CPIC (based on period average inflation)		
CPIC	↑	3.1
Energy	↑	15.1
Food	↑	11.1
SUBSISTENCE LEVEL <i>in AFL</i>		
1 adult	↓	2,554
2 adults + 2 children	↓	5,363
CPIC: CPI excluding the effect of energy and food. Energy: Electricity, water, gasoline and diesel. SUBSISTENCE LEVEL: The minimum level of income which is perceived necessary to achieve an adequate standard of living.		

CPI for the period January 2022 - January 2023

Consumer Price Index

Over the last 12 months, the CPI increased by 6.6%. 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 “Housing” (12.4%), “Food and non-alcoholic beverages” (12.8%), “Transport” (9.6%) and “Household operation” (8.5%) sectors, which contributed with an effect of 3.09, 1.41, 1.27 and 0.77 ppts, respectively. The increases in the remaining sectors had an effect of 0.95 ppts on the CPI of January 2022 - January 2023.

Aforementioned increases were partially offset by decreases in the indices for the “Communications” (-6.8%) and “Clothing and footwear” (-11.0%) sectors, causing an effect of -0.57 and -0.30 ppts, respectively.

The increase in the “Housing” sector was mainly due to increases in the categories “Electricity, gas and other fuels” (23.0%) and “Water supply and miscellaneous services relating to the dwelling” (19.0%), which contributed to an effect of respectively, 1.75 and 0.89 ppts. The increase in the “Food and non-alcoholic beverages” sector was mainly due to an increase in the category “Food” (12.8%), which contributed to an effect of 1.24 ppts. The increase in the “Transport” sector was mainly due to increases in the categories “Purchase of vehicles” (16.4%) and “Operation of personal transport equipment” (6.1%), which contributed to an effect of 0.75 and 0.50 ppts, respectively. The increase in the “Household operation” sector was mainly due to increases in the categories “Furniture, furnishings, carpets and other floor coverings” (35.0%) and “Goods and services for routine household maintenance and cleaning” (5.0%), which contributed to an effect of 0.31 and 0.21 ppts, respectively.

The decrease in the “Communications” sector was mainly due to a decrease in the category “Telephone and telefax services” (-6.6%), which contributed to an effect of -0.53 ppts. The decrease in the “Clothing and footwear” sector was mainly due to a decrease in the category “Clothing” (-12.3%), which contributed to an effect of -0.26 ppts.

Consumption basket

Over the last year 69.4% of the products in the consumption basket had an increase in price, causing an effect of 8.54 ppts, while 23.8% showed a decrease, contributing to an effect of -1.92 ppts and the remaining 6.9% had no change in price. The prices of goods increased by 10.3% and caused an influence of 5.96 ppts. The prices of services showed an increase of 1.6% and had an influence of 0.66 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. 443, from Afl. 4,920 in January 2022 to Afl. 5,363 in January 2023. This increase was mainly due to increases in the “Food and non-alcoholic beverages” (Afl. 254) and “Housing” (Afl. 181) sectors.

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

The average price per barrel of crude oil registered a decrease of US\$ 5.05 (-6.1%) from US\$ 83.06 in January 2022 to US\$ 78.01 in January 2023.

The energy index increased by 17.9% over the past 12 months and had an influence of 2.86 ppts. The indices of “Gasoline” (5.7%) and “Diesel” (26.5%) registered increases over the last year, contributing with an effect of 0.27 and 0.08 ppts, respectively. The indices of “Electricity” (22.7%) and “water” (23.1%) registered increases over the last year, contributing with an effect of 1.66 and 0.85 ppts, respectively. The remaining 404 goods and services, as a group, show an increase of 4.5% and had an effect of 3.76 ppts on the CPI.

Change in prices of Food & catering services

Over the last 12 months, the “Food & catering services” increased by 11.1%. The “Food at home” index showed an increase of 12.8%, where all of the “Food at home” food groups increased over the period. The “Vegetables” index increased by 18.6%, the largest increase among the “Food at home” food groups. Furthermore, other significant increases were posted in the indices for “Milk, cheese and eggs” (16.2%), “Bread and cereals” (14.8%), “Meat” (13.6%), “Non-alcoholic beverages” (13.2%), “Oils and fats” (11.2%), “Fish and other seafood” (10.5%), “Sugar, jam, honey and other confectionery” (10.0%) and “Food products n.e.c.” (9.2%).

The index for “Food away from home” increased by 7.0% over the last 12 months.

Table 1 Overview percentage change of the CPI

	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23
<i>Index</i>	100.07	100.44	101.47	102.16	102.49	103.26	104.46	106.43	106.20	106.30	106.49	106.37	106.69
<i>Monthly</i>	-0.5	0.4	1.0	0.7	0.3	0.7	1.2	1.9	-0.2	0.1	0.2	-0.1	0.3
<i>Year-to-date</i>	-0.5	-0.2	0.9	1.5	1.9	2.6	3.8	5.8	5.6	5.7	5.8	5.7	0.3
<i>End of period</i>	3.3	3.5	4.0	4.7	5.2	5.3	6.0	7.7	7.0	7.0	6.6	5.7	6.6
<i>Period average</i>	1.2	1.7	2.1	2.6	3.0	3.4	3.7	4.3	4.7	5.1	5.3	5.5	5.8
<i>Goods</i>	-0.6	0.1	1.6	0.8	0.8	1.3	1.6	3.2	-0.2	-0.3	1.4	-0.8	0.4
<i>Services</i>	-0.5	0.7	0.2	0.5	-0.4	0.0	0.5	0.1	-0.3	0.7	-1.6	1.0	0.1
<i>CPIC</i>	0.1	0.5	0.8	1.2	1.7	2.0	2.2	2.5	2.7	2.9	3.0	3.0	3.1
<i>Energy</i>	7.5	8.2	8.7	8.8	8.7	9.0	9.5	10.8	11.9	12.8	13.5	14.2	15.1
<i>Food</i>	0.4	1.2	2.0	3.0	4.0	5.1	6.1	7.1	8.0	9.0	9.7	10.5	11.1
<i>1 adult</i>	2,343	2,348	2,372	2,382	2,403	2,414	2,440	2,513	2,528	2,529	2,553	2,560	2,554
<i>2 adults + 2 children</i>	4,920	4,931	4,980	5,003	5,046	5,070	5,124	5,278	5,309	5,311	5,362	5,376	5,363

Source: Central Bureau of Statistics Aruba

Table 2 Percentage change by sector

Sector	Weight coefficient	Effect Dec - Jan	Percentage changes			
			Monthly Dec - Jan	Year-to-date Dec - Jan	End of period Jan 22 - Jan 23	Period average Jan 22 - Jan 23
CPI	10,000.0	0.30	0.3	0.3	6.6	5.8
<i>01. Food and non-alcoholic beverages</i>	1,087.7	-0.01	-0.1	-0.1	12.8	10.8
<i>02. Alcoholic beverages and tobacco</i>	78.2	0.02	1.9	1.9	5.0	4.4
<i>03. Clothing and footwear</i>	276.8	-0.23	-9.1	-9.1	-11.0	4.0
<i>04. Housing</i>	2,522.2	0.25	1.0	1.0	12.4	5.9
<i>05. Household operation</i>	929.2	0.58	6.7	6.7	8.5	4.3
<i>06. Health</i>	223.1	-0.06	-2.7	-2.7	1.7	1.4
<i>07. Transport</i>	1,257.4	-0.18	-1.3	-1.3	9.6	16.2
<i>08. Communications</i>	849.6	0.08	1.1	1.1	-6.8	-3.1
<i>09. Recreation and culture</i>	1,013.3	-0.43	-4.4	-4.4	1.5	1.9
<i>10. Education</i>	98.0	0.00	0.3	0.3	0.3	2.3
<i>11. Restaurants and hotels</i>	442.0	0.19	3.9	3.9	10.9	6.4
<i>12. Miscellaneous goods and services</i>	1,222.6	0.09	0.8	0.8	1.7	1.9

Source: Central Bureau of Statistics Aruba

Table 3 Categories with the greatest positive effect on the CPI of January 2023

Category	Monthly change	Effect
<i>Household appliances</i>	12.1	0.28
<i>Maintenance and repair of the dwelling</i>	4.6	0.24
<i>Accommodation services</i>	115.3	0.14
<i>Goods and services for routine household maintenance and cleaning</i>	3.2	0.13
<i>Furniture, furnishings, carpets and other floor coverings</i>	12.5	0.12

Source: Central Bureau of Statistics Aruba

Table 4 Categories with the greatest negative effect on the CPI of January 2023

Category	Monthly change	Effect
<i>Holidays</i>	-14.8	-0.44
<i>Clothing</i>	-9.8	-0.19
<i>Operation of personal transport equipment</i>	-1.6	-0.13
<i>Transport services</i>	-17.1	-0.08
<i>Medical products, appliances and equipment</i>	-4.7	-0.07

Source: Central Bureau of Statistics Aruba

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

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In January 2023 the average price per barrel of crude oil (US\$ 78.01) had an increase of US\$ 1.21 (1.6%) compared to December 2022 (US\$ 76.80).

The prices of electricity and water did not change compared to December 2022. Subsequently, the average electricity price per household remained at Afl. 294.56, while the average price of water per household remained at Afl. 168.73.

In January 2023 the price of gasoline registered a decrease of Afl. 7.60 cents (-3.0%) and had an effect of -0.15 ppts on the CPI. The price of diesel registered a decrease of Afl. 14.40 cents (-5.5%) and had an effect of -0.02 ppts on the CPI of January 2023.

In January 2023, utilities, gasoline and diesel as a group, showed a decrease in price of 0.9% compared to December 2022, and had an influence of -0.17 ppts on the CPI, while the remaining 404 goods and services, as a group, show an increase of 0.6% and had an effect of 0.47 ppts on the CPI.

Table 6 Effect on the CPI of January 2023 of goods and services which are dependent on crude oil prices

Category	Weight	Monthly change	Effect
Electricity	810.2	0.0	0.00
Gasoline	430.5	-3.0	-0.15
Water	367.3	0.0	0.00
Diesel	30.2	-5.5	-0.02
Total group	1,638.1	-0.9	-0.17
Remaining goods and services	8,361.9	0.6	0.47
CPI	10,000.0	0.3	0.30

Source: Central Bureau of Statistics Aruba

Table 5 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
March	91.32	31.09	31.99	240.09	137.05	245.70	214.10							
March	108.58	31.09	31.99	240.09	137.05	261.00	228.80							
April	102.29	31.09	31.99	240.09	137.05	291.00	274.50							
May	109.31	31.09	31.99	240.09	137.05	289.00	289.00							
June	115.29	31.09	31.99	240.09	137.05	321.20	290.30							
July	103.21	31.09	31.99	240.09	137.05	335.70	312.70							
August	93.74	38.53	39.65	294.56	167.75	293.20	278.50							
September	85.37	38.53	39.65	294.56	168.73	268.00	269.90							
October	87.61	38.53	39.65	294.56	168.73	254.90	259.40							
November	85.08	38.53	39.65	294.56	168.73	269.10	284.80							
December	76.80	38.53	39.65	294.56	168.73	251.40	261.00							
Yearly Average	95.14	34.19	35.18	262.78	150.17	275.90	263.17	78.01	38.53	39.65	294.56	168.73	243.80	246.60

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 January 2023

The “Food & catering services” index showed an increase of 0.2% in January 2023, after an increase of 1.0% in December 2022. The index for “Food at home” showed a decrease of 0.1% in January, as six (6) of the eleven (11) “Food at home” indices decreased in January 2023. The “Potatoes and other tubers” index registered the largest decrease (-7.3%) in January 2023. Furthermore, other significant decreases were posted in the indices for “Fruit” (-3.1%), “Fish and other seafood” (-1.2%) and “Oils and fats” (-0.9%). The largest increase was registered in the index for “Non-alcoholic beverages” (2.1%) in January 2023.

The index for “Food away from home” increased by 1.1% in January 2023.

In January 2023, “Food at home” and “Food away from home” as a group showed an increase in price of 0.2% compared to December 2022, and had an effect of 0.04 pts on the CPI, while the remaining goods and services, as a group, experienced an increase in price of 0.3%, causing an effect of 0.26 pts on the CPI.

Table 8 Effect on the CPI of January 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	1.1	0.05
<i>Total group</i>	1,517.5	0.2	0.04
<i>Remaining goods and services</i>	8,482.5	0.3	0.26
<i>CPI</i>	10,000.0	0.3	0.30

Source: Central Bureau of Statistics Aruba

Table 7 Percentage change for Food & catering services

	Weight coefficient	Indices			Percentage changes			Effect	
		Jan-22	Dec-22	Jan-23	Monthly Nov - Dec	Monthly Dec - Jan	End of period Jan 22 - Jan 23	Monthly Dec - Jan	End of period Jan 22 - Jan 23
Food & catering services	1,517.5	102.98	114.18	114.44	1.0	0.2	11.1	0.037	1.737
Food at home	1,087.7	101.21	114.32	114.20	0.6	-0.1	12.8	-0.013	1.412
<i>Bread and cereals</i>	178.1	100.44	114.84	115.31	2.2	0.4	14.8	0.008	0.265
<i>Meat</i>	242.5	104.99	119.82	119.31	-0.2	-0.4	13.6	-0.012	0.347
<i>Fish and other seafood</i>	49.0	102.70	114.85	113.48	0.2	-1.2	10.5	-0.006	0.053
<i>Milk, cheese and eggs</i>	135.3	103.84	120.69	120.67	0.5	0.0	16.2	0.000	0.228
<i>Oils and fats</i>	32.2	113.25	127.09	125.93	0.0	-0.9	11.2	-0.004	0.041
<i>Fruit</i>	97.6	100.64	108.41	105.07	1.4	-3.1	4.4	-0.031	0.043
<i>Potatoes and other tubers</i>	18.2	80.21	92.41	85.71	-2.5	-7.3	6.8	-0.011	0.010
<i>Vegetables</i>	89.1	84.31	99.60	100.00	0.6	0.4	18.6	0.003	0.140
<i>Sugar, jam, honey and other confectionery</i>	42.0	103.21	112.54	113.52	0.6	0.9	10.0	0.004	0.043
<i>Food products n.e.c.</i>	80.1	101.50	109.78	110.86	0.9	1.0	9.2	0.008	0.075
<i>Non-alcoholic beverages</i>	123.6	103.16	114.36	116.75	0.5	2.1	13.2	0.028	0.029
Food away from home	429.8	107.47	113.82	115.05	1.9	1.1	7.0	0.050	0.325
Other goods and services	8,482.5	99.55	104.97	105.31	-0.3	0.3	5.8	0.264	4.883
<i>Other goods</i>	4,735.8	98.53	107.55	108.14	-1.2	0.5	9.8	0.261	4.550
<i>Other services</i>	3,746.7	100.83	101.71	101.72	0.9	0.0	0.9	0.003	0.333
CPI	10,000.0	100.07	106.37	106.69	-0.1	0.3	6.6	0.301	6.620

Source: Central Bureau of Statistics Aruba

APPENDIX 1

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

DESCRIPTION	WEIGHT coefficient	2022	2022	2023	Monthly Dec - Jan	Ytd Dec - Jan	End of period Jan 22 - Jan 23 12 months	Period average Jan 22 - Jan 23 24 months
		Jan	Dec	Jan				
Food and non-alcoholic beverages	1,087.7	101.21	114.32	114.20	-0.1	-0.1	12.8	10.8
Food	964.1	100.96	114.32	113.87	-0.4	-0.4	12.8	11.1
Non-alcoholic beverages	123.6	103.16	114.36	116.75	2.1	2.1	13.2	8.4
Alcoholic beverages and tobacco	78.2	103.14	106.28	108.27	1.9	1.9	5.0	4.4
Alcoholic beverages for consumption at home	62.2	101.76	105.75	106.51	0.7	0.7	4.7	5.0
Tobacco	16.0	108.49	108.32	115.09	6.2	6.2	6.1	2.3
Clothing and footwear	276.8	97.50	95.40	86.74	-9.1	-9.1	-11.0	4.0
Clothing	212.8	100.98	98.09	88.52	-9.8	-9.8	-12.3	4.9
Footwear	64.0	85.93	86.46	80.82	-6.5	-6.5	-5.9	0.7
Housing	2,522.2	99.11	110.31	111.36	1.0	1.0	12.4	5.9
Actual rentals for housing	666.7	103.92	105.34	105.47	0.1	0.1	1.5	1.5
Imputed rentals for housing	34.4	99.39	94.59	94.59	0.0	0.0	-4.8	-4.6
Maintenance and repair of the dwelling	517.0	104.51	106.52	111.47	4.6	4.6	6.7	1.1
Water supply and miscellaneous services relating to the dwelling	463.6	101.35	120.59	120.59	0.0	0.0	19.0	9.9
Electricity, gas and other fuels	840.4	90.72	111.55	111.55	0.0	0.0	23.0	11.2
Household operation	929.2	97.56	99.17	105.84	6.7	6.7	8.5	4.3
Furniture, furnishings, carpets and other floor coverings	128.8	67.99	81.61	91.81	12.5	12.5	35.0	7.7
Household textiles	58.6	80.06	75.62	77.51	2.5	2.5	-3.2	-2.3
Household appliances	246.0	105.08	99.86	111.95	12.1	12.1	6.5	6.9
Glassware, tableware and household utensils	17.2	78.98	78.74	74.22	-5.7	-5.7	-6.0	-3.8
Tools and equipment for house and garden	58.2	121.22	130.46	138.85	6.4	6.4	14.5	12.2
Goods and services for routine household maintenance and cleaning	420.5	102.14	103.93	107.24	3.2	3.2	5.0	1.8
Health	223.1	95.66	99.92	97.27	-2.7	-2.7	1.7	1.4
Medical products, appliances and equipment	152.3	94.01	97.77	93.19	-4.7	-4.7	-0.9	-0.3
Out-patient services	52.4	97.25	105.35	106.88	1.4	1.4	9.9	7.4
Other treatments	7.8	93.96	99.18	100.64	1.5	1.5	7.1	5.6
Health products and services n.e.c.	10.5	112.76	104.45	105.87	1.4	1.4	-6.1	-6.5
Transport	1,257.4	105.42	117.02	115.52	-1.3	-1.3	9.6	16.2
Purchase of vehicles	442.6	103.88	119.92	120.89	0.8	0.8	16.4	15.1
Operation of personal transport equipment	763.3	107.92	116.38	114.51	-1.6	-1.6	6.1	16.7
Transport services	51.5	81.55	101.58	84.23	-17.1	-17.1	3.3	16.3
Communications	849.6	98.90	91.24	92.22	1.1	1.1	-6.8	-3.1
Telephone and telefax equipment	43.8	76.56	71.55	67.99	-5.0	-5.0	-11.2	-11.1
Telephone and telefax services	805.8	100.12	92.31	93.54	1.3	1.3	-6.6	-2.7
Recreation and culture	1,013.3	95.70	101.62	97.11	-4.4	-4.4	1.5	1.9
Audio-visual, photographic and information processing equipment	58.5	87.52	90.91	89.99	-1.0	-1.0	2.8	1.3
Other major durables for recreation and culture	20.0	90.55	85.51	84.47	-1.2	-1.2	-6.7	3.9
Other recreational items and equipment; gardens and pets	266.6	101.90	109.89	108.51	-1.3	-1.3	6.5	5.0
Recreational and cultural services	309.1	101.83	102.19	103.06	0.9	0.9	1.2	1.0
Newspapers, books and stationery	43.7	83.17	85.10	90.90	6.8	6.8	9.3	1.2
Holidays	315.4	88.03	99.36	84.62	-14.8	-14.8	-3.9	0.0
Education	98.0	104.79	104.79	105.12	0.3	0.3	0.3	2.3
Pre primary and primary education	24.0	100.00	100.00	100.00	0.0	0.0	0.0	0.0
Secondary education	43.4	110.44	110.44	110.44	0.0	0.0	0.0	5.0
Post-secondary non-tertiary education	4.6	100.00	100.00	100.00	0.0	0.0	0.0	0.0
Tertiary education	23.6	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	12.5	12.5	12.5	1.0
Restaurants and hotels	442.0	106.41	113.51	117.98	3.9	3.9	10.9	6.4
Catering services	429.8	107.47	113.82	115.05	1.1	1.1	7.0	6.0
Accommodation services	12.2	69.09	102.82	221.41	115.3	115.3	220.5	31.3
Miscellaneous goods and services	1,222.6	100.38	101.36	102.13	0.8	0.8	1.7	1.9
Personal care	427.1	97.03	99.67	100.09	0.4	0.4	3.2	1.8
Personal effects n.e.c.	106.6	95.88	96.61	97.58	1.0	1.0	1.8	1.9
Social protection	78.2	126.67	126.67	133.33	5.3	5.3	5.3	15.7
Insurance	610.7	100.14	100.14	100.36	0.2	0.2	0.2	0.0
CPI	10,000.0	100.07	106.37	106.69	0.3	0.3	6.6	5.8

Source: Central Bureau of Statistics Aruba

APPENDIX 2

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

DESCRIPTION	WEIGHT coefficient	Monthly	Ytd	End of period	Period average
		Dec - Jan	Dec - Jan	Jan 22 - Jan 23 12 months	Jan 22 - Jan 23 24 months
Food and non-alcoholic beverages	1,087.7	-0.01	-0.01	1.41	1.17
Food	964.1	-0.04	-0.04	1.24	1.06
Non-alcoholic beverages	123.6	0.03	0.03	0.17	0.11
Alcoholic beverages and tobacco	78.2	0.01	0.01	0.04	0.03
Alcoholic beverages for consumption at home	62.2	0.00	0.00	0.03	0.03
Tobacco	16.0	0.01	0.01	0.01	0.00
Clothing and footwear	276.8	-0.23	-0.23	-0.30	0.10
Clothing	212.8	-0.19	-0.19	-0.26	0.10
Footwear	64.0	-0.03	-0.03	-0.03	0.00
Housing	2,522.2	0.25	0.25	3.09	1.48
Actual rentals for housing	666.7	0.01	0.01	0.10	0.10
Imputed rentals for housing	34.4	0.00	0.00	-0.02	-0.02
Maintenance and repair of the dwelling	517.0	0.24	0.24	0.36	0.06
Water supply and miscellaneous services relating to the dwelling	463.6	0.00	0.00	0.89	0.47
Electricity, gas and other fuels	840.4	0.00	0.00	1.75	0.86
Household operation	929.2	0.58	0.58	0.77	0.39
Furniture, furnishings, carpets and other floor coverings	128.8	0.12	0.12	0.31	0.08
Household textiles	58.6	0.01	0.01	-0.01	-0.01
Household appliances	246.0	0.28	0.28	0.17	0.17
Glassware, tableware and household utensils	17.2	-0.01	-0.01	-0.01	-0.01
Tools and equipment for house and garden	58.2	0.05	0.05	0.10	0.09
Goods and services for routine household maintenance and cleaning	420.5	0.13	0.13	0.21	0.08
Health	223.1	-0.06	-0.06	0.04	0.03
Medical products, appliances and equipment	152.3	-0.07	-0.07	-0.01	0.00
Out-patient services	52.4	0.01	0.01	0.05	0.04
Other treatments	7.8	0.00	0.00	0.01	0.00
Health products and services n.e.c.	10.5	0.00	0.00	-0.01	-0.01
Transport	1,257.4	-0.18	-0.18	1.27	2.11
Purchase of vehicles	442.6	0.04	0.04	0.75	0.67
Operation of personal transport equipment	763.3	-0.13	-0.13	0.50	1.36
Transport services	51.5	-0.08	-0.08	0.01	0.07
Communications	849.6	0.08	0.08	-0.57	-0.26
Telephone and telefax equipment	43.8	-0.01	-0.01	-0.04	-0.04
Telephone and telefax services	805.8	0.09	0.09	-0.53	-0.22
Recreation and culture	1,013.3	-0.43	-0.43	0.14	0.18
Audio-visual, photographic and information processing equipment	58.5	-0.01	-0.01	0.01	0.01
Other major durables for recreation and culture	20.0	0.00	0.00	-0.01	0.01
Other recreational items and equipment; gardens and pets	266.6	-0.03	-0.03	0.18	0.13
Recreational and cultural services	309.1	0.03	0.03	0.04	0.03
Newspapers, books and stationery	43.7	0.02	0.02	0.03	0.00
Holidays	315.4	-0.44	-0.44	-0.11	0.00
Education	98.0	0.00	0.00	0.00	0.02
Pre primary and primary education	24.0	0.00	0.00	0.00	0.00
Secondary education	43.4	0.00	0.00	0.00	0.02
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	0.19	0.19	0.51	0.30
Catering services	429.8	0.05	0.05	0.33	0.27
Accommodation services	12.2	0.14	0.14	0.19	0.02
Miscellaneous goods and services	1,222.6	0.09	0.09	0.21	0.23
Personal care	427.1	0.02	0.02	0.13	0.07
Personal effects n.e.c.	106.6	0.01	0.01	0.02	0.02
Social protection	78.2	0.05	0.05	0.05	0.14
Insurance	610.7	0.01	0.01	0.01	0.00
CPI	10,000.0	0.30	0.30	6.62	5.79

APPENDIX 3

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

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly Dec - Jan	End of period Jan 22 - Jan 23 12 months	Monthly Dec - Jan	End of period Jan 22 - Jan 23 12 months
		Food & catering services	1,517.5	0.2	11.1
Food at home	1,087.7	-0.1	12.8	-0.013	1.412
Bread and cereals	178.1	0.4	14.8	0.008	0.265
Rice	23.5	-0.9	33.9	-0.003	0.082
Bread	72.1	1.3	11.4	0.010	0.088
Pasta products	9.2	1.7	17.1	0.002	0.016
Other cereals and cereal products	73.3	-0.1	11.6	-0.001	0.079
Meat	242.5	-0.4	13.6	-0.012	0.347
Bovine	67.3	0.3	10.1	0.002	0.074
Swine	25.5	0.0	7.5	0.000	0.021
Poultry	75.7	-2.7	21.7	-0.024	0.163
Other meat and meat preparations	74.0	1.2	11.5	0.010	0.088
Fish and other seafood	49.0	-1.2	10.5	-0.006	0.053
Fish and seafood preparations	49.0	-1.2	10.5	-0.006	0.053
Milk, cheese and eggs	135.3	0.0	16.2	0.000	0.228
Cheese	55.4	1.9	9.9	0.012	0.058
Eggs	16.6	-9.8	54.4	-0.029	0.101
Milk	40.0	3.0	8.8	0.012	0.036
Other milk products	23.3	2.2	14.5	0.005	0.033
Oils and fats	32.2	-0.9	11.2	-0.004	0.041
Corn oil	2.8	1.5	12.9	0.001	0.005
Butter and margarine	9.2	-2.2	16.4	-0.002	0.016
Other oils and fats	20.1	-0.8	8.7	-0.002	0.020
Fruit	97.6	-3.1	4.4	-0.031	0.043
Oranges	9.4	-11.7	-0.5	-0.016	-0.001
Bananas and plantains	19.9	3.7	11.8	0.006	0.019
Apples	9.3	-6.9	3.2	-0.007	0.003
Avocado	5.0	-0.2	11.8	0.000	0.004
Grapes	9.2	-1.3	-10.8	-0.001	-0.012
Nuts	11.9	0.3	4.4	0.000	0.005
Lemons and mandarins	6.0	-8.8	-0.3	-0.004	0.000
Cherries and strawberries	8.8	-8.4	6.3	-0.012	0.008
Melons and watermelons	7.7	1.0	8.0	0.001	0.005
Papayas and pineapples	6.9	0.3	1.4	0.000	0.001
Other fruits and fruit products	3.5	6.3	29.9	0.002	0.009
Potatoes and other tubers	18.2	-7.3	6.8	-0.011	0.010
Potatoes	12.2	-11.6	-1.1	-0.011	-0.001
Other tubers	2.0	-5.1	19.7	-0.001	0.004
Sweet potatoes and yucca	4.0	2.1	19.5	0.001	0.007
Vegetables	89.1	0.4	18.6	0.003	0.140
Lettuce	6.8	-30.7	63.2	-0.023	0.022
Tomatoes	9.7	2.3	19.8	0.002	0.018
Onions and garlic	18.7	-0.3	4.0	0.000	0.006
Celery and broccoli	15.3	14.0	38.6	0.019	0.046
Other vegetables	15.3	0.4	16.2	0.001	0.022
Other preserved or processed vegetables	8.4	0.2	7.6	0.000	0.006
Frozen vegetable mixtures	14.8	3.8	14.9	0.005	0.020
Sugar, jam, honey and other confectionery	42.0	0.9	10.0	0.004	0.043
Sugar	12.1	0.5	9.5	0.001	0.013
Jams and jellies	2.5	0.0	8.9	0.000	0.002
Other confectionery products	27.5	1.1	10.3	0.003	0.029
Food products n.e.c.	80.1	1.0	9.2	0.008	0.075
Other food products	80.1	1.0	9.2	0.008	0.075
Non-alcoholic beverages	123.6	2.1	13.2	0.028	0.168
Coffee and tea	20.9	2.4	10.8	0.005	0.023
Other non-alcoholic beverages	14.6	1.3	3.7	0.002	0.005
Soft and sports drinks	31.0	0.9	12.2	0.003	0.041
Fruit juices	57.1	2.8	17.0	0.018	0.099
Food away from home	429.8	1.1	7.0	0.050	0.325
Food and beverage consumption away from home	429.8	1.1	7.0	0.050	0.325
Other goods and services	8,482.5	0.3	5.8	0.264	4.883
Other goods	4,735.8	0.5	9.8	0.261	4.550
Other services	3,746.7	0.0	0.9	0.003	0.333
CPI	10,000	0.3	6.6	0.301	6.620

Source: Central Bureau of Statistics Aruba

APPENDIX 4

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

	Base				YEAR: 2023				YEAR: 2022			
	Base Jun-19	Base Jun-19	Base Jun-19	Base Jun-19	CHANGE				CHANGE			
	=100.0	=100.0	=100.0	=100.0	Monthly	Year-to date	Yearly (12 months)	Period average (24 months)	Monthly	Year-to date	Yearly (12 months)	Period average (24 months)
	Jan.'22	Dec.'21	Jan.'23	Dec.'22								
<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	
	Feb.'22	Jan.'22	Feb.'23	Jan.'23								
<u>Total Population</u>	100.44	100.07							0.4	-0.2	3.5	1.7
Low Income	100.27	99.81							0.5	0.1	3.5	
High Income	100.49	100.17							0.3	-0.3	3.6	
	Mar.'22	Feb.'22	Mar.'23	Feb.'23								
<u>Total Population</u>	101.47	100.44							1.0	0.9	4.0	2.1
Low Income	101.03	100.27							0.8	0.9	3.6	
High Income	101.66	100.49							1.2	0.9	4.1	
	Apr.'22	Mar.'22	Apr.'23	Mar.'23								
<u>Total Population</u>	102.16	101.47							0.7	1.5	4.7	2.6
Low Income	101.62	101.03							0.6	1.5	4.2	
High Income	102.39	101.66							0.7	1.6	4.9	
	May'22	Apr.'22	May'23	Apr.'23								
<u>Total Population</u>	102.49	102.16							0.3	1.9	5.2	3.0
Low Income	102.08	101.62							0.5	1.9	4.9	
High Income	102.66	102.39							0.3	1.8	5.4	
	Jun'22	May'22	Jun'23	May'23								
<u>Total Population</u>	103.26	102.49							0.7	2.6	5.3	3.4
Low Income	102.91	102.08							0.8	2.7	5.1	
High Income	103.40	102.66							0.7	2.6	5.4	
	Jul'22	Jun'22	Jul'23	Jun'23								
<u>Total Population</u>	104.46	103.26							1.2	3.8	6.0	3.7
Low Income	103.79	102.91							0.9	3.6	5.6	
High Income	104.76	103.40							1.3	3.9	6.2	
	Aug.'22	Jul'22	Aug.'23	Jul'23								
<u>Total Population</u>	106.43	104.46							1.9	5.8	7.7	4.3
Low Income	106.46	103.79							2.6	6.3	8.0	
High Income	106.41	104.76							1.6	5.6	7.6	
	Sep.'22	Aug.'22	Sep.'23	Aug.'23								
<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	
	Oct.'22	Sep.'22	Oct.'23	Sep.'23								
<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	
	Nov.'22	Oct.'22	Nov.'23	Oct.'23								
<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	
	Dec.'22	Nov.'22	Dec.'23	Nov.'23								
<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	

APPENDIX 5

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

Month	Crude 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									
March-23									
April-23									
May-23									
June-23									
July-23									
August-23									
September-23									
October-23									
November-23									
December-23									
Average 2023	78.01	38.53	39.65	52.16	12.50	294.56	168.73	243.80	246.60

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