

## Consumer Price Index, base period June 2019

### August 2022

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

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

The CPI for August 2022 is 106.43, an increase of 1.9% compared to the index of July 2022 (104.46) and accumulating an increase of 5.8% up to and including August of this year.

The percentage change of the CPI over the last twelve (12) months (August 2021 to August 2022) is 7.7, an increase of 6.3 percentage points (ppts) compared to the percentage change for the same period of last year (1.4%).

The period average (last 24 months) percentage change of the CPI for the periods August 2020 to August 2021 and August 2021 to August 2022 is 4.3%, an increase of 5.4 ppts compared to the period average percentage change over the periods August 2019 to August 2020 and August 2020 to August 2021 (-1.1%).

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 “Housing” (9.7%) and “Household operation” (4.5%) sectors, which contributed with an effect of 2.32 and 0.40 ppts, respectively. The increases in the remaining sectors had an effect of 0.30 ppts on the CPI of August 2022.

Aforementioned increases were partially offset mainly by a decrease in the index for the “Transport” (-6.0%) sector, causing an effect of -0.94 ppts. The decreases in the remaining sectors had an effect of -0.19 ppts on the CPI of August 2022.

The increase in the “Housing” sector was mainly due to increases in the categories “Electricity, gas and other fuels” (21.8%) and “Water supply and miscellaneous services relating to the dwelling” (17.3%), which contributed to an effect of respectively, 1.59 and 0.79 ppts. The increase in the “Household operation” sector was mainly due to increases in the categories “Furniture, furnishings, carpets and other floor coverings” (23.0%) and “Household appliances” (6.6%), which contributed to an effect of 0.21 and 0.16 ppts, respectively.

The decrease in the “Transport” sector was mainly due to a decrease in the category “Operation of personal transport equipment” (-8.9%), which contributed to an effect of -0.90 ppts.

#### Consumption basket

The consumption basket of the CPI consists of 408 goods and services. Compared to July 2022, 56.9% of these products had an increase in price, causing an effect of 3.47 ppts, while 26.0% showed a decrease, contributing to an effect of -1.58 ppts and the remaining 17.2% had no change in price. The prices of goods increased by 3.2% and caused an influence of 1.86 ppts. The prices of services increased by 0.1% had an influence of 0.03 ppts on the CPI of August 2022.

#### Core inflation

The CPIC (core inflation) - CPI excluding the effect of energy and food – was 2.5% in August 2022. The energy index - which consists of the products: electricity, water, gasoline and diesel – was 10.8%. The food index showed an increase of 7.1%.

#### Subsistence level

The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) in August 2022 is Afl. 5,278, an increase of Afl. 461 compared to August 2021 (Afl. 4,817). The subsistence level for a single adult household is Afl. 2,513, an increase of Afl. 219 compared to August 2021 (Afl. 2,294).



#### CPI (BASE JUN 2019 = 100)

Index	↑	106.43
Monthly	↑	1.9
Year-to-date	↑	5.8
End of period	↑	7.7
Period average	↑	4.3
Goods	↑	3.2
Services	↑	0.1

#### CPIC (based on period average inflation)

CPIC	↑	2.5
Energy	↑	10.8
Food	↑	7.1

#### SUBSISTENCE LEVEL in AFL

1 adult	↑	2,513
2 adults + 2 children	↑	5,278

CPIC: CPI excluding the effect of energy and food.

Energy: Electricity, water, gasoline and diesel.

SUBSISTENCE LEVEL: The minimum level of income which is perceived necessary to achieve an adequate standard of living.

Table 1 Overview percentage change of the CPI

	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22
<i>Index</i>	98.84	99.24	99.31	99.90	100.60	100.07	100.44	101.47	102.16	102.49	103.26	104.46	106.43
<i>Monthly</i>	0.3	0.4	0.1	0.6	0.7	-0.5	0.4	1.0	0.7	0.3	0.7	1.2	1.9
<i>Year-to-date</i>	1.8	2.2	2.3	2.9	3.6	-0.5	-0.2	0.9	1.5	1.9	2.6	3.8	5.8
<i>End of period</i>	1.4	2.2	2.4	3.1	3.6	3.3	3.5	4.0	4.7	5.2	5.3	6.0	7.7
<i>Period average</i>	-1.1	-0.7	-0.3	0.2	0.7	1.2	1.7	2.1	2.6	3.0	3.4	3.7	4.3
<i>Goods</i>	0.4	0.9	-0.7	0.7	1.4	-0.6	0.1	1.6	0.8	0.8	1.3	1.6	3.2
<i>Services</i>	0.2	-0.2	1.1	0.5	-0.2	-0.5	0.7	0.2	0.5	-0.4	0.0	0.5	0.1
<i>CPIC</i>	-1.3	-1.2	-0.9	-0.7	-0.3	0.1	0.5	0.8	1.2	1.7	2.0	2.2	2.5
<i>Energy</i>	0.6	2.0	3.4	5.1	6.7	7.5	8.2	8.7	8.8	8.7	9.0	9.5	10.8
<i>Food</i>	-2.1	-1.7	-1.4	-0.9	-0.3	0.4	1.2	2.0	3.0	4.0	5.1	6.1	7.1
<i>1 adult</i>	2,294	2,304	2,311	2,331	2,337	2,343	2,348	2,372	2,382	2,403	2,414	2,440	2,513
<i>2 adults + 2 children</i>	4,817	4,839	4,854	4,896	4,907	4,920	4,931	4,980	5,003	5,046	5,070	5,124	5,278

Source: Central Bureau of Statistics Aruba

Table 2 Percentage change by sector

Sector	Weight coefficient	Effect Jul - Aug	Percentage changes			
			Monthly Jul - Aug	Year-to-date Dec - Aug	End of period Aug 21 - Aug 22	Period average Aug 21 - Aug 22
<b>CPI</b>	<b>10,000.0</b>	<b>1.89</b>	<b>1.9</b>	<b>5.8</b>	<b>7.7</b>	<b>4.3</b>
01. Food and non-alcoholic beverages	1,087.7	0.19	1.6	9.0	12.1	6.8
02. Alcoholic beverages and tobacco	78.2	0.00	0.3	3.3	4.9	2.7
03. Clothing and footwear	276.8	-0.05	-2.2	-4.1	3.2	4.6
04. Housing	2,522.2	2.32	9.7	10.6	10.1	1.3
05. Household operation	929.2	0.40	4.5	1.3	8.5	4.0
06. Health	223.1	0.06	3.0	3.7	4.7	-0.7
07. Transport	1,257.4	-0.94	-6.0	16.4	17.8	16.8
08. Communications	849.6	-0.03	-0.4	-1.8	-2.0	-1.0
09. Recreation and culture	1,013.3	-0.10	-1.1	-1.9	2.7	2.2
10. Education	98.0	0.00	0.0	0.0	0.0	4.2
11. Restaurants and hotels	442.0	0.04	0.8	4.5	4.0	4.0
12. Miscellaneous goods and services	1,222.6	0.01	0.1	0.4	1.7	1.9

Source: Central Bureau of Statistics Aruba

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

Category	Monthly change	Effect
Electricity, gas and other fuels	21.8	1.59
Water supply and miscellaneous services relating to the dwelling	17.3	0.79
Furniture, furnishings, carpets and other floor coverings	23.0	0.21
Food	1.7	0.17
Household appliances	6.6	0.16

Source: Central Bureau of Statistics Aruba

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

Category	Monthly change	Effect
Operation of personal transport equipment	-8.9	-0.90
Maintenance and repair of the dwelling	-1.5	-0.08
Holidays	-2.3	-0.06
Audio-visual, photographic and information processing equipment	-10.9	-0.06

Source: Central Bureau of Statistics Aruba

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

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In August 2022 the average price per barrel of crude oil (US\$ 93.74) had a decrease of US\$ 9.47 (-9.2%) compared to July 2022 (US\$ 103.21).

The cost-price of electricity and water in Aruba is mainly based on the price of Heavy fuel oil (HFO). To minimize the risks of spikes in the price of HFO and stabilize the tariffs of electricity and water for extended periods of time, a hedging strategy was developed by the Water- en Energiebedrijf Aruba N.V. (WEB). Hedging was used until 2021. It was announced in July 2022, that new tariffs for electricity and water would be introduced, starting August 2022. Subsequently, the average electricity price per household increased by 22.7% from Afl. 240.09 to Afl. 294.56 and had an effect of 1.59 ppts, while the average price of water per household increased by 22.4% from Afl. 137.05 to Afl. 167.75 and had an effect of 0.79 ppts on the CPI of August.

In August 2022 the price of gasoline registered a decrease of Afl. 42.50 cents (-12.7%) and had an effect of -0.84 ppts on the CPI. The price of diesel registered a decrease of Afl. 34.20 cents (-10.9%) and had an effect of -0.05 ppts on the CPI of August 2022.

In August 2022, utilities, gasoline and diesel as a group showed an increase in price of 8.4% compared to July 2022, and had an influence of 1.49 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 0.40 ppts on the CPI.

Table 6 Effect on the CPI of August 2022 of goods and services which are dependent on crude oil prices

Category	Weight	Monthly change	Effect
Electricity	810.2	22.7	1.59
Gasoline	430.5	-12.7	-0.84
Water	367.3	22.4	0.79
Diesel	30.2	-10.9	-0.05
<b>Total group</b>	<b>1,638.1</b>	<b>8.4</b>	<b>1.49</b>
Remaining goods and services	8,361.9	0.5	0.40
<b>CPI</b>	<b>10,000.0</b>	<b>1.9</b>	<b>1.89</b>

Source: Central Bureau of Statistics Aruba

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

Month	2021							2022						
	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	51.23	31.09	31.99	240.09	137.05	185.90	152.40	83.06	31.09	31.99	240.09	137.05	230.60	195.00
March	59.10	31.09	31.99	240.09	137.05	196.30	158.60	91.32	31.09	31.99	240.09	137.05	245.70	214.10
March	62.62	31.09	31.99	240.09	137.05	208.78	170.90	108.58	31.09	31.99	240.09	137.05	261.00	228.80
April	61.52	31.09	31.99	240.09	137.05	221.60	175.80	102.29	31.09	31.99	240.09	137.05	291.00	274.50
May	65.17	31.09	31.99	240.09	137.05	222.10	174.60	109.31	31.09	31.99	240.09	137.05	289.00	289.00
June	70.97	31.09	31.99	240.09	137.05	225.80	183.00	115.29	31.09	31.99	240.09	137.05	321.20	290.30
July	72.61	31.09	31.99	240.09	137.05	230.70	188.70	103.21	31.09	31.99	240.09	137.05	335.70	312.70
August	67.62	31.09	31.99	240.09	137.05	235.70	189.30	93.74	38.53	39.65	294.56	167.75	293.20	278.50
September	70.50	31.09	31.99	240.09	137.05	233.60	185.60							
October	80.49	31.09	31.99	240.09	137.05	234.20	193.20							
November	80.13	31.09	31.99	240.09	137.05	246.40	209.00							
December	71.41	31.09	31.99	240.09	137.05	239.00	202.30							
<b>Yearly Average</b>	<b>67.78</b>	<b>31.09</b>	<b>31.99</b>	<b>240.09</b>	<b>137.05</b>	<b>223.34</b>	<b>181.95</b>	<b>100.85</b>	<b>32.02</b>	<b>32.95</b>	<b>246.90</b>	<b>140.89</b>	<b>283.43</b>	<b>260.36</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 2022

The “Food & catering services” index showed an increase of 1.4% in August 2022, after an increase of 0.7% in July 2022. The index for “Food at home” showed an increase of 1.6% in August, as ten (10) of the eleven (11) “Food at home” indices increased in August 2022. The “Vegetables” index registered the largest increase (5.8%) in August 2022. Furthermore, other significant increases were posted in the indices for “Fish and other seafood” (2.2%), “Meat” (1.9%), “Fruit” (1.8%), “Milk, cheese and eggs” (1.4%) and “Sugar, jam, honey and other confectionery” (1.4%).

The only decrease was registered in the index of “Potatoes and other tubers” (-4.6%).

Over the last twelve (12) months, the “Food & catering services” has increased by 10.3%. The “Food at home” index showed an increase of 12.1%, where all of the “Food at home” indices increased over the last year. The “Oils and fats” index increased by 16.8%, the largest increase among the “Food at home” food groups. Furthermore, other significant increases were posted in the indices for “Fruit” (16.4%), “Meat” (16.2%), “Milk, cheese and eggs” (12.7%), “Fish and other seafood” (12.4%) and “Vegetables” (11.7%).

The index for “Food away from home” increased by 0.8% in August 2022 and has increased by 6.1% over the last twelve (12) months.

In August 2022, “Food at home” and “Food away from home” as a group showed an increase in price of 1.4% compared to July 2022, and had an influence of 0.22 pts on the CPI, while the remaining goods and services, as a group, experienced an increase in price of 2.0%, causing an effect of 1.67 pts on the CPI.

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

Category	Weight	Monthly change	Effect
<i>Food at home</i>	1,087.7	1.6	0.19
<i>Food away from home</i>	429.8	0.8	0.04
<i>Total group</i>	1,517.5	1.4	0.22
<i>Remaining goods and services</i>	8,482.5	2.0	1.67
<i>CPI</i>	10,000.0	1.9	1.89

Source: Central Bureau of Statistics Aruba

Table 7 Percentage change for Food & catering services

	Weight coefficient	Indices			Percentage changes			Effect	
		Aug-21	Jul-22	Aug-22	Monthly Jun - Jul	Monthly Jul - Aug	End of period Aug 21 - Aug 22	Monthly Jul - Aug	End of period Aug 21 - Aug 22
<b>Food &amp; catering services</b>	<b>1,517.5</b>	<b>99.84</b>	<b>108.62</b>	<b>110.15</b>	<b>0.7</b>	<b>1.4</b>	<b>10.3</b>	<b>0.222</b>	<b>1.582</b>
<b>Food at home</b>	<b>1,087.7</b>	<b>98.05</b>	<b>108.15</b>	<b>109.93</b>	<b>0.8</b>	<b>1.6</b>	<b>12.1</b>	<b>0.185</b>	<b>1.307</b>
<i>Bread and cereals</i>	178.1	100.38	107.78	109.05	1.2	1.2	8.6	0.022	0.156
<i>Meat</i>	242.5	101.13	115.40	117.54	0.9	1.9	16.2	0.050	0.403
<i>Fish and other seafood</i>	49.0	100.16	110.12	112.57	1.2	2.2	12.4	0.011	0.062
<i>Milk, cheese and eggs</i>	135.3	101.92	113.28	114.84	0.1	1.4	12.7	0.020	0.177
<i>Oils and fats</i>	32.2	102.81	119.48	120.08	0.3	0.5	16.8	0.002	0.056
<i>Fruit</i>	97.6	89.56	102.41	104.26	-0.6	1.8	16.4	0.017	0.145
<i>Potatoes and other tubers</i>	18.2	78.81	90.04	85.89	13.8	-4.6	9.0	-0.007	0.013
<i>Vegetables</i>	89.1	83.23	87.86	93.00	1.3	5.8	11.7	0.044	0.088
<i>Sugar, jam, honey and other confectionery</i>	42.0	101.37	108.57	110.04	0.9	1.4	8.5	0.006	0.037
<i>Food products n.e.c.</i>	80.1	99.02	106.41	106.99	0.5	0.5	8.0	0.004	0.065
<i>Non-alcoholic beverages</i>	123.6	100.74	107.89	109.24	0.6	1.3	8.4	0.016	0.020
<b>Food away from home</b>	<b>429.8</b>	<b>104.39</b>	<b>109.81</b>	<b>110.71</b>	<b>0.3</b>	<b>0.8</b>	<b>6.1</b>	<b>0.037</b>	<b>0.275</b>
<b>Other goods and services</b>	<b>8,482.5</b>	<b>98.66</b>	<b>103.72</b>	<b>105.77</b>	<b>1.3</b>	<b>2.0</b>	<b>7.2</b>	<b>1.667</b>	<b>6.099</b>
<i>Other goods</i>	4,735.8	97.28	104.84	108.53	1.8	3.5	11.6	1.672	5.394
<i>Other services</i>	3,746.7	100.41	102.29	102.27	0.5	0.0	1.9	-0.005	0.706
<b>CPI</b>	<b>10,000.0</b>	<b>98.84</b>	<b>104.46</b>	<b>106.43</b>	<b>1.2</b>	<b>1.9</b>	<b>7.7</b>	<b>1.890</b>	<b>7.681</b>

Source: Central Bureau of Statistics Aruba

## APPENDIX 1

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

DESCRIPTION	WEIGHT coefficient	2021	2021	2022	2022	Monthly Jul - Aug	Ytd Dec - Aug	End of period	Period average
		Aug	Dec	Jul	Aug			Aug 21 - Aug 22 12 months	Aug 21 - Aug 22 24 months
<b>Food and non-alcoholic beverages</b>	<b>1,087.7</b>	<b>98.05</b>	<b>100.89</b>	<b>108.15</b>	<b>109.93</b>	<b>1.6</b>	<b>9.0</b>	<b>12.1</b>	<b>6.8</b>
Food	964.1	97.70	100.68	108.18	110.01	1.7	9.3	12.6	7.1
Non-alcoholic beverages	123.6	100.74	102.51	107.89	109.24	1.3	6.6	8.4	4.3
<b>Alcoholic beverages and tobacco</b>	<b>78.2</b>	<b>100.48</b>	<b>101.99</b>	<b>105.07</b>	<b>105.38</b>	<b>0.3</b>	<b>3.3</b>	<b>4.9</b>	<b>2.7</b>
Alcoholic beverages for consumption at home	62.2	98.85	100.77	104.12	104.51	0.4	3.7	5.7	3.0
Tobacco	16.0	106.81	106.74	108.76	108.76	0.0	1.9	1.8	1.9
<b>Clothing and footwear</b>	<b>276.8</b>	<b>87.66</b>	<b>94.29</b>	<b>92.46</b>	<b>90.45</b>	<b>-2.2</b>	<b>-4.1</b>	<b>3.2</b>	<b>4.6</b>
Clothing	212.8	89.66	95.07	94.17	92.54	-1.7	-2.7	3.2	6.0
Footwear	64.0	81.02	91.70	86.78	83.50	-3.8	-8.9	3.1	-0.1
<b>Housing</b>	<b>2,522.2</b>	<b>98.88</b>	<b>98.42</b>	<b>99.28</b>	<b>108.88</b>	<b>9.7</b>	<b>10.6</b>	<b>10.1</b>	<b>1.3</b>
Actual rentals for housing	666.7	103.28	103.79	104.69	104.82	0.1	1.0	1.5	1.5
Imputed rentals for housing	34.4	99.77	99.65	92.43	94.65	2.4	-5.0	-5.1	-2.6
Maintenance and repair of the dwelling	517.0	104.20	101.30	103.96	102.44	-1.5	1.1	-1.7	0.0
Water supply and miscellaneous services relating to the dwelling	463.6	101.35	101.35	102.28	120.02	17.3	18.4	18.4	2.0
Electricity, gas and other fuels	840.4	90.72	90.72	90.72	110.49	21.8	21.8	21.8	1.8
<b>Household operation</b>	<b>929.2</b>	<b>95.87</b>	<b>102.68</b>	<b>99.48</b>	<b>104.00</b>	<b>4.5</b>	<b>1.3</b>	<b>8.5</b>	<b>4.0</b>
Furniture, furnishings, carpets and other floor coverings	128.8	78.74	80.70	72.69	89.44	23.0	10.8	13.6	2.3
Household textiles	58.6	80.67	80.43	76.89	77.83	1.2	-3.2	-3.5	-3.1
Household appliances	246.0	94.38	110.28	105.75	112.70	6.6	2.2	19.4	8.7
Glassware, tableware and household utensils	17.2	76.97	81.49	74.56	82.31	10.4	1.0	6.9	-10.1
Tools and equipment for house and garden	58.2	118.88	152.35	134.60	135.55	0.7	-11.0	14.0	18.0
Goods and services for routine household maintenance and cleaning	420.5	101.70	102.07	103.34	103.54	0.2	1.4	1.8	1.0
<b>Health</b>	<b>223.1</b>	<b>94.25</b>	<b>95.13</b>	<b>95.80</b>	<b>98.66</b>	<b>3.0</b>	<b>3.7</b>	<b>4.7</b>	<b>-0.7</b>
Medical products, appliances and equipment	152.3	93.29	93.77	92.55	96.85	4.6	3.3	3.8	-1.6
Out-patient services	52.4	94.00	95.71	104.37	103.79	-0.6	8.4	10.4	2.2
Other treatments	7.8	90.78	92.14	98.40	97.86	-0.6	6.2	7.8	0.9
Health products and services n.e.c.	10.5	111.94	113.97	98.11	99.85	1.8	-12.4	-10.8	-3.1
<b>Transport</b>	<b>1,257.4</b>	<b>103.97</b>	<b>105.20</b>	<b>130.24</b>	<b>122.44</b>	<b>-6.0</b>	<b>16.4</b>	<b>17.8</b>	<b>16.8</b>
Purchase of vehicles	442.6	98.90	98.87	116.12	115.23	-0.8	16.5	16.5	8.6
Operation of personal transport equipment	763.3	107.44	109.54	139.56	127.20	-8.9	16.1	18.4	21.7
Transport services	51.5	96.09	95.34	113.50	113.90	0.4	19.5	18.5	12.6
<b>Communications</b>	<b>849.6</b>	<b>99.43</b>	<b>99.24</b>	<b>97.87</b>	<b>97.48</b>	<b>-0.4</b>	<b>-1.8</b>	<b>-2.0</b>	<b>-1.0</b>
Telephone and telefax equipment	43.8	86.81	83.07	76.88	69.46	-9.7	-16.4	-20.0	-8.1
Telephone and telefax services	805.8	100.12	100.12	99.01	99.01	0.0	-1.1	-1.1	-0.6
<b>Recreation and culture</b>	<b>1,013.3</b>	<b>95.98</b>	<b>100.46</b>	<b>99.64</b>	<b>98.57</b>	<b>-1.1</b>	<b>-1.9</b>	<b>2.7</b>	<b>2.2</b>
Audio-visual, photographic and information processing equipment	58.5	91.13	122.78	105.10	93.69	-10.9	-23.7	2.8	10.1
Other major durables for recreation and culture	20.0	109.30	92.12	100.78	113.35	12.5	23.0	3.7	2.5
Other recreational items and equipment; gardens and pets	266.6	100.15	100.58	103.50	103.99	0.5	3.4	3.8	2.2
Recreational and cultural services	309.1	102.46	101.77	101.93	101.96	0.0	0.2	-0.5	2.0
Newspapers, books and stationery	43.7	81.99	81.73	93.78	90.81	-3.2	11.1	10.8	-1.3
Holidays	315.4	88.11	98.07	93.84	91.70	-2.3	-6.5	4.1	1.5
<b>Education</b>	<b>98.0</b>	<b>104.79</b>	<b>104.79</b>	<b>104.79</b>	<b>104.79</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4.2</b>
Pre primary and primary education	24.0	100.00	100.00	100.00	100.00	0.0	0.0	0.0	0.0
Secondary education	43.4	110.44	110.44	110.44	110.44	0.0	0.0	0.0	9.5
Post-secondary non-tertiary education	4.6	100.00	100.00	100.00	100.00	0.0	0.0	0.0	0.0
Tertiary education	23.6	100.00	100.00	100.00	100.00	0.0	0.0	0.0	0.0
Education not definable by level	2.5	106.67	106.67	106.67	106.67	0.0	0.0	0.0	0.0
<b>Restaurants and hotels</b>	<b>442.0</b>	<b>104.95</b>	<b>104.39</b>	<b>108.21</b>	<b>109.10</b>	<b>0.8</b>	<b>4.5</b>	<b>4.0</b>	<b>4.0</b>
Catering services	429.8	104.39	105.43	109.81	110.71	0.8	5.0	6.1	4.4
Accommodation services	12.2	124.68	67.78	52.04	52.41	0.7	-22.7	-58.0	-18.2
<b>Miscellaneous goods and services</b>	<b>1,222.6</b>	<b>98.98</b>	<b>100.23</b>	<b>100.58</b>	<b>100.67</b>	<b>0.1</b>	<b>0.4</b>	<b>1.7</b>	<b>1.9</b>
Personal care	427.1	96.54	96.70	97.96	98.06	0.1	1.4	1.6	0.5
Personal effects n.e.c.	106.6	96.53	95.53	94.52	95.14	0.6	-0.4	-1.4	1.6
Social protection	78.2	106.67	126.67	126.67	126.67	0.0	0.0	18.8	24.3
Insurance	610.7	100.14	100.14	100.14	100.14	0.0	0.0	0.0	0.0
<b>CPI</b>	<b>10,000.0</b>	<b>98.84</b>	<b>100.60</b>	<b>104.46</b>	<b>106.43</b>	<b>1.9</b>	<b>5.8</b>	<b>7.7</b>	<b>4.3</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 2022, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly	Ytd	End of period	Period average
		Jul - Aug	Dec - Aug	Aug 21 - Aug 22 12 months	Aug 21 - Aug 22 24 months
<b>Food and non-alcoholic beverages</b>	<b>1,087.7</b>	<b>0.19</b>	<b>0.98</b>	<b>1.31</b>	<b>0.73</b>
Food	964.1	0.17	0.89	1.20	0.68
Non-alcoholic beverages	123.6	0.02	0.08	0.11	0.05
<b>Alcoholic beverages and tobacco</b>	<b>78.2</b>	<b>0.00</b>	<b>0.03</b>	<b>0.04</b>	<b>0.02</b>
Alcoholic beverages for consumption at home	62.2	0.00	0.02	0.04	0.02
Tobacco	16.0	0.00	0.00	0.00	0.00
<b>Clothing and footwear</b>	<b>276.8</b>	<b>-0.05</b>	<b>-0.11</b>	<b>0.08</b>	<b>0.12</b>
Clothing	212.8	-0.03	-0.05	0.06	0.12
Footwear	64.0	-0.02	-0.05	0.02	0.00
<b>Housing</b>	<b>2,522.2</b>	<b>2.32</b>	<b>2.62</b>	<b>2.55</b>	<b>0.33</b>
Actual rentals for housing	666.7	0.01	0.07	0.10	0.11
Imputed rentals for housing	34.4	0.01	-0.02	-0.02	-0.01
Maintenance and repair of the dwelling	517.0	-0.08	0.06	-0.09	0.00
Water supply and miscellaneous services relating to the dwelling	463.6	0.79	0.86	0.88	0.10
Electricity, gas and other fuels	840.4	1.59	1.65	1.68	0.14
<b>Household operation</b>	<b>929.2</b>	<b>0.40</b>	<b>0.12</b>	<b>0.76</b>	<b>0.36</b>
Furniture, furnishings, carpets and other floor coverings	128.8	0.21	0.11	0.14	0.02
Household textiles	58.6	0.01	-0.02	-0.02	-0.02
Household appliances	246.0	0.16	0.06	0.46	0.21
Glassware, tableware and household utensils	17.2	0.01	0.00	0.01	-0.01
Tools and equipment for house and garden	58.2	0.01	-0.10	0.10	0.12
Goods and services for routine household maintenance and cleaning	420.5	0.01	0.06	0.08	0.04
<b>Health</b>	<b>223.1</b>	<b>0.06</b>	<b>0.08</b>	<b>0.10</b>	<b>-0.02</b>
Medical products, appliances and equipment	152.3	0.06	0.05	0.05	-0.02
Out-patient services	52.4	0.00	0.04	0.05	0.01
Other treatments	7.8	0.00	0.00	0.01	0.00
Health products and services n.e.c.	10.5	0.00	-0.01	-0.01	0.00
<b>Transport</b>	<b>1,257.4</b>	<b>-0.94</b>	<b>2.15</b>	<b>2.35</b>	<b>2.10</b>
Purchase of vehicles	442.6	-0.04	0.72	0.73	0.38
Operation of personal transport equipment	763.3	-0.90	1.34	1.53	1.66
Transport services	51.5	0.00	0.09	0.09	0.06
<b>Communications</b>	<b>849.6</b>	<b>-0.03</b>	<b>-0.15</b>	<b>-0.17</b>	<b>-0.08</b>
Telephone and telefax equipment	43.8	-0.03	-0.06	-0.08	-0.03
Telephone and telefax services	805.8	0.00	-0.09	-0.09	-0.05
<b>Recreation and culture</b>	<b>1,013.3</b>	<b>-0.10</b>	<b>-0.19</b>	<b>0.26</b>	<b>0.22</b>
Audio-visual, photographic and information processing equipment	58.5	-0.06	-0.17	0.02	0.05
Other major durables for recreation and culture	20.0	0.02	0.04	0.01	0.00
Other recreational items and equipment; gardens and pets	266.6	0.01	0.09	0.10	0.06
Recreational and cultural services	309.1	0.00	0.01	-0.02	0.06
Newspapers, books and stationery	43.7	-0.01	0.04	0.04	0.00
Holidays	315.4	-0.06	-0.20	0.11	0.05
<b>Education</b>	<b>98.0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.04</b>
Pre primary and primary education	24.0	0.00	0.00	0.00	0.00
Secondary education	43.4	0.00	0.00	0.00	0.04
Post-secondary non-tertiary education	4.6	0.00	0.00	0.00	0.00
Tertiary education	23.6	0.00	0.00	0.00	0.00
Education not definable by level	2.5	0.00	0.00	0.00	0.00
<b>Restaurants and hotels</b>	<b>442.0</b>	<b>0.04</b>	<b>0.21</b>	<b>0.19</b>	<b>0.18</b>
Catering services	429.8	0.04	0.23	0.27	0.20
Accommodation services	12.2	0.00	-0.02	-0.09	-0.02
<b>Miscellaneous goods and services</b>	<b>1,222.6</b>	<b>0.01</b>	<b>0.05</b>	<b>0.21</b>	<b>0.23</b>
Personal care	427.1	0.00	0.06	0.07	0.02
Personal effects n.e.c.	106.6	0.01	0.00	-0.02	0.02
Social protection	78.2	0.00	0.00	0.16	0.20
Insurance	610.7	0.00	0.00	0.00	0.00
<b>CPI</b>	<b>10,000.0</b>	<b>1.89</b>	<b>5.80</b>	<b>7.68</b>	<b>4.26</b>

## APPENDIX 3

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

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly Jul - Aug	End of period Aug 21 - Aug 22 12 months	Monthly Jul - Aug	End of period Aug 21 - Aug 22 12 months
<b>Food &amp; catering services</b>	<b>1,517.5</b>	<b>1.4</b>	<b>10.3</b>	<b>0.222</b>	<b>1.582</b>
<b>Food at home</b>	<b>1,087.7</b>	<b>1.6</b>	<b>12.1</b>	<b>0.185</b>	<b>1.307</b>
<b>Bread and cereals</b>	<b>178.1</b>	<b>1.2</b>	<b>8.6</b>	<b>0.022</b>	<b>0.156</b>
Rice	23.5	1.7	9.6	0.004	0.024
Bread	72.1	0.1	7.6	0.001	0.059
Pasta products	9.2	3.4	19.2	0.003	0.017
Other cereals and cereal products	73.3	1.9	8.2	0.013	0.056
<b>Meat</b>	<b>242.5</b>	<b>1.9</b>	<b>16.2</b>	<b>0.050</b>	<b>0.403</b>
Bovine	67.3	1.4	16.9	0.011	0.117
Swine	25.5	1.1	10.2	0.003	0.028
Poultry	75.7	2.3	29.9	0.021	0.221
Other meat and meat preparations	74.0	2.1	4.7	0.016	0.036
<b>Fish and other seafood</b>	<b>49.0</b>	<b>2.2</b>	<b>12.4</b>	<b>0.011</b>	<b>0.062</b>
Fish and seafood preparations	49.0	2.2	12.4	0.011	0.062
<b>Milk, cheese and eggs</b>	<b>135.3</b>	<b>1.4</b>	<b>12.7</b>	<b>0.020</b>	<b>0.177</b>
Cheese	55.4	1.1	7.9	0.006	0.047
Eggs	16.6	2.1	58.2	0.005	0.098
Milk	40.0	0.7	4.7	0.003	0.019
Other milk products	23.3	2.7	5.8	0.006	0.014
<b>Oils and fats</b>	<b>32.2</b>	<b>0.5</b>	<b>16.8</b>	<b>0.002</b>	<b>0.056</b>
Corn oil	2.8	1.5	35.6	0.001	0.011
Butter and margarine	9.2	-1.9	11.2	-0.002	0.011
Other oils and fats	20.1	1.4	16.5	0.003	0.035
<b>Fruit</b>	<b>97.6</b>	<b>1.8</b>	<b>16.4</b>	<b>0.017</b>	<b>0.145</b>
Oranges	9.4	7.4	19.7	0.009	0.023
Bananas and plantains	19.9	6.7	34.5	0.010	0.044
Apples	9.3	0.5	10.7	0.001	0.011
Avocado	5.0	0.5	30.4	0.000	0.011
Grapes	9.2	6.5	1.4	0.006	0.001
Nuts	11.9	-0.4	3.4	0.000	0.004
Lemons and mandarins	6.0	-7.1	8.6	-0.003	0.004
Cherries and strawberries	8.8	-10.7	22.8	-0.014	0.023
Melons and watermelons	7.7	14.4	13.8	0.009	0.009
Papayas and pineapples	6.9	2.5	12.7	0.001	0.007
Other fruits and fruit products	3.5	-4.5	29.4	-0.002	0.008
<b>Potatoes and other tubers</b>	<b>18.2</b>	<b>-4.6</b>	<b>9.0</b>	<b>-0.007</b>	<b>0.013</b>
Potatoes	12.2	-9.6	2.9	-0.009	0.003
Other tubers	2.0	2.6	14.2	0.001	0.003
Sweet potatoes and yucca	4.0	4.2	22.2	0.002	0.007
<b>Vegetables</b>	<b>89.1</b>	<b>5.8</b>	<b>11.7</b>	<b>0.044</b>	<b>0.088</b>
Lettuce	6.8	15.5	21.3	0.005	0.006
Tomatoes	9.7	1.3	16.6	0.001	0.015
Onions and garlic	18.7	7.9	6.9	0.012	0.011
Celery and broccoli	15.3	10.6	30.1	0.013	0.034
Other vegetables	15.3	8.1	7.2	0.010	0.010
Other preserved or processed vegetables	8.4	1.1	3.9	0.001	0.003
Frozen vegetable mixtures	14.8	1.1	6.2	0.002	0.008
<b>Sugar, jam, honey and other confectionery</b>	<b>42.0</b>	<b>1.4</b>	<b>8.5</b>	<b>0.006</b>	<b>0.037</b>
Sugar	12.1	1.3	11.2	0.002	0.015
Jams and jellies	2.5	1.9	7.8	0.000	0.002
Other confectionery products	27.5	1.3	7.3	0.004	0.020
<b>Food products n.e.c.</b>	<b>80.1</b>	<b>0.5</b>	<b>8.0</b>	<b>0.004</b>	<b>0.065</b>
Other food products	80.1	0.5	8.0	0.004	0.065
<b>Non-alcoholic beverages</b>	<b>123.6</b>	<b>1.3</b>	<b>8.4</b>	<b>0.016</b>	<b>0.106</b>
Coffee and tea	20.9	0.5	5.1	0.001	0.011
Other non-alcoholic beverages	14.6	1.2	3.1	0.002	0.005
Soft and sports drinks	31.0	1.2	6.8	0.004	0.022
Fruit juices	57.1	1.6	12.0	0.009	0.069
<b>Food away from home</b>	<b>429.8</b>	<b>0.8</b>	<b>6.1</b>	<b>0.037</b>	<b>0.275</b>
Food and beverage consumption away from home	429.8	0.8	6.1	0.037	0.275
<b>Other goods and services</b>	<b>8,482.5</b>	<b>2.0</b>	<b>7.2</b>	<b>1.667</b>	<b>6.099</b>
Other goods	4,735.8	3.5	11.6	1.672	5.394
Other services	3,746.7	0.0	1.9	-0.005	0.706
<b>CPI</b>	<b>10,000</b>	<b>1.9</b>	<b>7.7</b>	<b>1.890</b>	<b>7.681</b>

Source: Central Bureau of Statistics Aruba

APPENDIX 4

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

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

Source: Central Bureau of Statistics Aruba



**APPENDIX 5**

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

Month	Crude oil <sup>1</sup>	Electricity components				Fixed charge <sup>3</sup>	Electricity <sup>4</sup>	Water <sup>5</sup>	Gasoline <sup>6</sup>	Diesel <sup>6</sup>
		Total energy charge <sup>2</sup>								
		≤ 500 kWh	501 - 1000 kWh	> 1001 kWh						
Average 2001	26.01	24.59	22.09	22.09	0.00	172.79	89.40	128.34	90.10	
Average 2002	26.06	24.89	22.39	22.39	0.00	174.91	90.82	127.20	88.68	
Average 2003	34.49	27.02	24.52	24.52	0.00	190.38	99.21	139.21	100.18	
Average 2004	41.31	27.18	24.68	24.68	0.00	191.57	100.02	152.51	113.05	
Average 2005	56.36	31.10	28.60	28.60	0.00	219.97	113.69	167.74	136.04	
Average 2006	66.12	35.91	33.41	33.41	0.00	254.88	128.70	176.22	149.77	
Average 2007	72.08	36.59	34.09	34.09	0.00	259.84	133.59	200.43	168.38	
Average 2008	99.87	45.67	43.17	43.17	0.00	325.67	161.80	228.19	214.48	
Average 2009	61.46	37.33	34.83	34.83	0.00	265.17	139.60	175.15	142.53	
Average 2010	79.22	43.92	41.42	41.42	0.00	312.98	159.21	193.43	163.22	
Average 2011	94.74	47.58	47.57	47.57	0.00	345.14	177.47	229.48	203.46	
Average 2012	94.25	47.68	51.21	53.46	0.00	353.85	171.13	235.53	210.07	
Average 2013	98.00	41.10	44.90	58.40	0.00	306.75	137.05	229.48	205.83	
Average 2014	93.49	42.58	45.32	57.77	0.63	315.71	137.05	224.24	200.21	
Average 2015	48.71	47.02	46.56	55.87	2.50	342.59	137.05	179.74	147.80	
Average 2016	43.17	40.40	41.80	47.64	12.50	308.76	137.05	165.87	131.12	
Average 2017	50.85	34.52	35.72	45.93	12.50	265.65	137.05	180.79	147.69	
Average 2018	65.08	34.52	35.72	45.93	12.50	265.65	137.05	204.95	177.59	
Average 2019	56.84	34.52	35.72	45.93	12.50	265.65	137.05	202.67	176.53	
Average 2020	39.25	31.09	31.99	42.09	12.50	240.09	137.05	177.93	143.26	
Average 2021	67.78	31.09	31.99	42.09	12.50	240.09	137.05	223.34	181.95	
January-22	83.06	31.09	31.99	42.09	12.50	240.09	137.05	230.60	195.00	
February-22	91.32	31.09	31.99	42.09	12.50	240.09	137.05	245.70	214.10	
March-22	108.58	31.09	31.99	42.09	12.50	240.09	137.05	261.00	228.80	
April-22	102.29	31.09	31.99	42.09	12.50	240.09	137.05	291.00	274.50	
May-22	109.31	31.09	31.99	42.09	12.50	240.09	137.05	289.00	289.00	
June-22	115.29	31.09	31.99	42.09	12.50	240.09	137.05	321.20	290.30	
July-22	103.21	31.09	31.99	42.09	12.50	240.09	137.05	335.70	312.70	
August-22	93.74	38.53	39.65	52.16	12.50	294.56	167.75	293.20	278.50	
September-22										
October-22										
November-22										
December-22										
<b>Average 2022</b>	<b>100.85</b>	<b>32.02</b>	<b>32.95</b>	<b>43.35</b>	<b>12.50</b>	<b>246.90</b>	<b>140.89</b>	<b>283.43</b>	<b>260.36</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