

Consumer Price Index, base period June 2019 September 2021

The Central Bureau of Statistics presents the most important findings for the Consumer Price Index (CPI) for the month of September 2021.

Consumer Price Index for the month of September 2021

The CPI for September 2021 is 99.24, an increase of 0.4% compared to the index of August 2021 (98.84) and accumulating an increase of 2.2% up to and including September of this year.

The percentage change of the CPI over the last twelve (12) months (September 2020 to September 2021) is 2.2, an increase of 4.5 percentage points (ppts) compared to the percentage change for the same period of last year (-2.3%).

The period average percentage change of the CPI for the period September 2020 - September 2021 is -0.7%, a decrease of 1.1 ppts compared to the period average percentage change over the period September 2019 - September 2020 (0.4%).

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" (3.6%) and "Clothing and footwear" (3.7%) sectors, which contributed with an effect of 0.33 and 0.09 ppts, respectively. The increases in the remaining sectors had an effect of 0.28 ppts on the CPI of September 2021.

Aforementioned increases were partially offset mainly by a decrease in the index for the "Transport" (-1.2%) sector, causing an effect of -0.16 ppts. The decreases in the remaining sectors had an effect of -0.14 ppts on the CPI of September 2021.

The increase in the "Household operation" sector was mainly due to an increase in the category "Household appliances" (12.6%), which contributed to an effect of 0.30 ppts. The increase in the "Clothing and footwear" sector was mainly due to an increase in the category "Clothing" (3.9%), which contributed to an effect of 0.08 ppts.

The decrease in the "Transport" sector was mainly due to decreases in the categories "Transport services" (-16.3%) and "Purchase of vehicles" (-1.6%), which contributed to an effect of -0.08 and -0.07 ppts, respectively.

Consumption basket

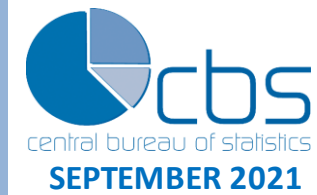
The consumption basket of the CPI consists of 408 goods and services. Compared to August 2021, 44.1% of these products had an increase in price, causing an effect of 1.26 ppts, while 39.7% showed a decrease, contributing to an effect of -0.86 ppts and the remaining 16.2% had no change in price. The prices of goods increased by 0.9% and caused an influence of 0.49 ppts. The prices of services showed a decrease of 0.2% and had an influence of -0.09 ppts on the CPI of September 2021.

Core inflation

The CPIC (core inflation) - CPI excluding the effect of energy and food – was -1.2% in September 2021. The energy index - which consists of the products: electricity, water, gasoline and diesel – was 2.0%. The food index showed a decrease of 1.7%.

Subsistence level

The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-15 years) in September 2021 is Afl. 4,839, an increase of Afl. 57 compared to September 2020 (Afl. 4,782). The subsistence level for a single adult household is Afl. 2,304, an increase of Afl. 27 compared to September 2020 (Afl. 2,277).



CPI	(BASE JUN 2019 = 100)
Index	↑ 99.24
Monthly	↑ 0.4
Year-to-date	↑ 2.2
End of period	↑ 2.2
Period average	↓ -0.7
Goods	↑ 0.9
Services	↓ -0.2

CPIC	(based on period average inflation)
CPIC	↓ -1.2
Energy	↑ 2.0
Food	↓ -1.7

SUBSISTENCE LEVEL <small>in Afl.</small>		
1 adult	↑	2,304
2 adults + 2 children	↑	4,839

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

	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21
<i>Index</i>	97.14	96.97	96.93	97.06	96.89	97.00	97.59	97.57	97.39	98.09	98.53	98.84	99.24
<i>Monthly</i>	-0.3	-0.2	0.0	0.1	-0.2	0.1	0.6	0.0	-0.2	0.7	0.5	0.3	0.4
<i>Year-to-date</i>	-3.0	-3.2	-3.2	-3.1	-0.2	-0.1	0.5	0.5	0.3	1.1	1.5	1.8	2.2
<i>End of period</i>	-2.3	-2.8	-2.7	-3.1	-2.7	-1.9	-1.1	-0.4	-0.2	1.0	1.8	1.4	2.2
<i>Period average</i>	0.4	-0.2	-0.8	-1.3	-1.8	-2.2	-2.3	-2.3	-2.2	-1.8	-1.4	-1.1	-0.7
<i>Goods</i>	-0.6	-0.2	-0.2	0.0	-0.2	0.4	1.2	1.2	-0.4	0.6	0.8	0.4	0.9
<i>Services</i>	0.1	-0.08	0.1	0.3	-0.2	-0.3	-0.1	-0.1	0.2	0.8	0.0	0.2	-0.2
<i>CPIC</i>	1.5	1.0	0.5	0.1	-0.5	-0.9	-1.2	-1.4	-1.7	-1.6	-1.4	-1.3	-1.2
<i>Energy</i>	-5.4	-6.2	-6.9	-7.9	-8.0	-7.9	-7.5	-6.1	-4.1	-2.4	-0.9	0.6	2.0
<i>Food</i>	1.6	0.7	-0.1	-0.8	-1.5	-2.0	-2.3	-2.6	-2.6	-2.5	-2.3	-2.1	-1.7
<i>1 adult</i>	2,277	2,273	2,266	2,265	2,257	2,258	2,258	2,262	2,263	2,271	2,293	2,294	2,304
<i>2 adults + 2 children</i>	4,782	4,773	4,759	4,757	4,739	4,742	4,741	4,750	4,752	4,770	4,815	4,817	4,839

Source: Central Bureau of Statistics Aruba

Table 2 Percentage change by sector

<i>Sector</i>	Weight coefficient	Effect Aug - Sep	Percentage changes			
			Monthly Aug - Sep	Year-to-date Dec - Sep	End of period Sep 19 - Sep 20	Period average Sep 19 - Sep 20
<i>CPI</i>	10,000.0	0.40	0.4	2.2	2.2	-0.7
<i>01. Food and non-alcoholic beverages</i>	1,087.7	0.06	0.6	2.0	1.2	-1.6
<i>02. Alcoholic beverages and tobacco</i>	78.2	0.00	-0.1	0.5	-0.2	-0.1
<i>03. Clothing and footwear</i>	276.8	0.09	3.7	-2.7	-3.3	-8.3
<i>04. Housing</i>	2,522.2	-0.07	-0.3	0.6	0.1	-0.1
<i>05. Household operation</i>	929.2	0.33	3.6	2.8	5.7	-2.8
<i>06. Health</i>	223.1	0.07	3.5	-0.2	-1.7	-3.5
<i>07. Transport</i>	1,257.4	-0.16	-1.2	13.0	11.2	3.7
<i>08. Communications</i>	849.6	0.06	0.7	0.3	0.7	0.1
<i>09. Recreation and culture</i>	1,013.3	0.04	0.4	-0.9	0.4	-3.5
<i>10. Education</i>	98.0	0.00	0.0	4.6	4.6	0.8
<i>11. Restaurants and hotels</i>	442.0	-0.07	-1.4	1.0	1.6	0.0
<i>12. Miscellaneous goods and services</i>	1,222.6	0.05	0.4	0.9	0.4	-0.7

Source: Central Bureau of Statistics Aruba

Table 3 Categories with the greatest positive effect on the CPI of September 2021

<i>Category</i>	Monthly change	Effect
<i>Household appliances</i>	12.6	0.30
<i>Audio-visual, photographic and information processing equipment</i>	15.5	0.08
<i>Clothing</i>	3.9	0.08
<i>Medical products, appliances and equipment</i>	4.7	0.07
<i>Telephone and telefax equipment</i>	15.7	0.06
<i>Food</i>	0.6	0.06

Source: Central Bureau of Statistics Aruba

Table 4 Categories with the greatest negative effect on the CPI of September 2021

<i>Category</i>	Monthly change	Effect
<i>Holidays</i>	-3.5	-0.10
<i>Accommodation services</i>	-58.9	-0.09
<i>Transport services</i>	-16.3	-0.08
<i>Purchase of vehicles</i>	-1.6	-0.07
<i>Maintenance and repair of the dwelling</i>	-1.3	-0.07

Source: Central Bureau of Statistics Aruba

Change in prices of crude oil, utilities, gasoline and diesel in September 2021

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In September 2021 the average price per barrel of crude oil (US\$ 70.50) had an increase of US\$ 2.88 (4.3%) compared to August 2021 (US\$ 67.62).

The prices of electricity and water did not change compared to August 2021. Subsequently, the average electricity price per household remained at Afl. 240.09, while the average price of water per household remained at Afl. 137.05.

In September 2021 the price of gasoline registered a decrease of Afl. 2.10 cents (-0.9%) and had an effect of -0.04 ppts on the CPI. The price of diesel registered a decrease of Afl. 3.70 cents (-2.0%) and had an effect of -0.01 ppt on the CPI of September 2021.

In September 2021, utilities, gasoline and diesel as a group showed a decrease in price of 0.3% compared to August 2021, and had an influence of -0.05 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 0.45 ppts on the CPI.

Table 6 Effect on the CPI of September 2021 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	-0.9	-0.04
Water	367.3	0.0	0.00
Diesel	30.2	-2.0	-0.01
Total group	1,638.1	-0.3	-0.05
Remaining goods and services	8,361.9	0.5	0.45
CPI	10,000.0	0.4	0.40

Source: Central Bureau of Statistics Aruba

Table 5 Prices of crude oil, utilities, gasoline and diesel, 2020 - 2021

Month	2020							2021						
	Crude oil	Total energy charge ≤500 kWh	Total energy charge 501-1000 kWh	Electricity	Water	Gasoline	Diesel	Crude oil	Total energy charge ≤500 kWh	Total energy charge 501-1000 kWh	Electricity	Water	Gasoline	Diesel
January	57.92	31.09	31.99	240.09	137.05	204.60	179.20	51.23	31.09	31.99	240.09	137.05	185.90	152.40
March	50.67	31.09	31.99	240.09	137.05	201.90	172.40	59.10	31.09	31.99	240.09	137.05	196.30	158.60
March	30.40	31.09	31.99	240.09	137.05	197.20	160.60	62.62	31.09	31.99	240.09	137.05	208.78	170.90
April	17.39	31.09	31.99	240.09	137.05	160.60	136.70	61.52	31.09	31.99	240.09	137.05	221.60	175.80
May	26.57	31.09	31.99	240.09	137.05	144.70	119.00	65.17	31.09	31.99	240.09	137.05	222.10	174.60
June	38.19	31.09	31.99	240.09	137.05	160.50	121.60	70.97	31.09	31.99	240.09	137.05	225.80	183.00
July	40.58	31.09	31.99	240.09	137.05	174.90	135.00	72.61	31.09	31.99	240.09	137.05	230.70	188.70
August	42.33	31.09	31.99	240.09	137.05	178.10	140.70	67.62	31.09	31.99	240.09	137.05	235.70	189.30
September	39.64	31.09	31.99	240.09	137.05	180.20	140.50	70.50	31.09	31.99	240.09	137.05	233.60	185.60
October	39.45	31.09	31.99	240.09	137.05	178.90	135.00							
November	41.07	31.09	31.99	240.09	137.05	176.80	136.10							
December	46.78	31.09	31.99	240.09	137.05	176.70	142.30							
Yearly Average	39.25	31.09	31.99	240.09	137.05	177.93	143.26	64.59	31.09	31.99	240.09	137.05	217.83	175.43

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 2021

The “Food & catering services” index showed an increase of 0.5% in September 2021, after an increase of 0.7% in August 2021. The index for “Food at home” showed an increase of 0.6% in September, as nine (9) of the eleven (11) “Food at home” indices increased in September 2021. The “Fruit” index registered the largest increase (4.7%) in September 2021. Furthermore, increases were posted in the indices for “Oils and fats” (1.8%), “Food products n.e.c.” (1.5%), “Potatoes and other tubers” (0.9%) and “Vegetables” (0.5%). The “Fish and other seafood” (-1.9%) index registered the largest decrease in September 2021. Furthermore, a decrease was posted in the index for “Milk, cheese and eggs” (-0.7%).

Over the last twelve (12) months, the “Food & catering services” has increased by 1.6%. The “Food at home” index showed an increase of 1.2%. The “Oils and fats” index increased by 6.8%, the largest increase among the “Food at home” food groups, while the “Vegetables” index decreased by 3.8%, the largest decrease among the “Food at home” food groups.

The index for “Food away from home” increased by 0.5% in September 2021 and has increased by 2.5% over the last twelve (12) months.

In September 2021, “Food at home” and “Food away from home” as a group showed an increase in price of 0.5% compared to August 2021, and had an effect of 0.08 ppts on the CPI, while the remaining goods and services, as a group, experienced an increase in price of 0.4%, causing an effect of 0.32 ppts on the CPI.

Table 8 Effect on the CPI of September 2021 of Food at home and Food away from home

Category	Weight	Monthly change	Effect
Food at home	1,087.7	0.6	0.06
Food away from home	429.8	0.5	0.02
Total group	1,517.5	0.5	0.08
Remaining goods and services	8,482.5	0.4	0.32
CPI	10,000.0	0.4	0.40

Source: Central Bureau of Statistics Aruba

Table 7 Percentage change for Food & catering services

	Indices	Weight coefficient	Indices			Percentage changes			Effect	
			Sep-20	Aug-21	Sep-21	Monthly Jul - Aug	Monthly Aug - Sep	End of period Sep 20 - Sep 21	Monthly Aug - Sep	End of period Sep 20 - Sep 21
Food & catering services		1,517.5	98.82	99.84	100.39	0.7	0.5	1.6	0.084	0.245
Food at home		1,087.7	97.43	98.05	98.60	0.6	0.6	1.2	0.061	0.130
Bread and cereals		178.1	98.97	100.38	100.55	0.6	0.2	1.6	0.003	0.029
Meat		242.5	99.30	101.13	101.43	0.5	0.3	2.1	0.007	0.053
Fish and other seafood		49.0	99.36	100.16	98.28	2.2	-1.9	-1.1	-0.009	-0.005
Milk, cheese and eggs		135.3	99.71	101.92	101.18	0.8	-0.7	1.5	-0.010	0.020
Oils and fats		32.2	97.93	102.81	104.64	5.3	1.8	6.8	0.006	0.022
Fruit		97.6	91.51	89.56	93.77	-1.1	4.7	2.5	0.041	0.023
Potatoes and other tubers		18.2	80.62	78.81	79.54	6.2	0.9	-1.3	0.001	-0.002
Vegetables		89.1	86.92	83.23	83.61	0.9	0.5	-3.8	0.003	-0.030
Sugar, jam, honey and other confectionery		42.0	100.27	101.37	101.81	0.0	0.4	1.5	0.002	0.007
Food products n.e.c.		80.1	99.80	99.02	100.48	0.5	1.5	0.7	0.012	0.006
Non-alcoholic beverages		123.6	100.40	100.74	101.06	-0.2	0.3	0.7	0.004	0.002
Food away from home		429.8	102.34	104.39	104.93	0.7	0.5	2.5	0.024	0.115
Other goods and services		8,482.5	96.84	98.66	99.03	0.3	0.4	2.3	0.316	1.911
Other goods		4,735.8	94.71	97.28	98.17	0.3	0.9	3.6	0.428	1.685
Other services		3,746.7	99.53	100.41	100.12	0.1	-0.3	0.6	-0.112	0.226
CPI		10,000.0	97.14	98.84	99.24	0.3	0.4	2.2	0.401	2.156

Source: Central Bureau of Statistics Aruba

Please note: CPI for the period Jun 2019 - Sep 2020 have been revised and corrected

The subsistence level in September 2021

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" published by the CBS in December 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).

Table 9 Monthly subsistence level in Aruba (in Afl.) by sector for a family of 2 adults and 2 children (aged 0-15 years)

Sector	Absolute		
	Sep-20	Sep-21	Change
Food and non-alcoholic beverages	1,903	1,925	22
Clothing and footwear	257	248	-9
Housing	1,455	1,456	1
Household operation	105	111	6
Health	82	80	-2
Transport	269	299	30
Communications	152	153	1
Recreation and culture	160	161	1
Education	74	78	4
Miscellaneous goods and services	326	328	2
Total	4,782	4,839	57

Source: Central Bureau of Statistics Aruba

In September 2021 the monthly subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) (Afl. 4,839) showed an increase of Afl. 57 compared to September 2020 (Afl. 4,782) and was mainly caused by an increase of Afl. 30 in the sector "Transport".

Table 10 Monthly Subsistence level in Aruba (in Afl.) by family size and composition, September 2021 (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-20	2,277	2,960	3,416	4,099	4,782
Oct-20	2,273	2,955	3,410	4,092	4,773
Nov-20	2,266	2,946	3,399	4,079	4,759
Dec-20	2,265	2,945	3,398	4,077	4,757
Jan-21	2,257	2,934	3,385	4,062	4,739
Feb-21	2,258	2,936	3,387	4,065	4,742
Mar-21	2,258	2,935	3,387	4,064	4,741
Apr-21	2,262	2,940	3,393	4,071	4,750
May-21	2,263	2,942	3,395	4,074	4,752
Jun-21	2,271	2,953	3,407	4,088	4,770
Jul-21	2,293	2,980	3,439	4,127	4,815
Aug-21	2,294	2,982	3,441	4,129	4,817
Sep-21	2,304	2,995	3,456	4,148	4,839

Source: Central Bureau of Statistics Aruba

In September 2021, the monthly subsistence level for a single adult household is Afl 2,304, which represents an income deficit of Afl. 489, an increase of Afl. 27 compared to the deficit observed one year ago (Afl. 462). This deficit is the third highest registered over a period of six (6) years for the month September.

Table 11 Monthly income surplus/deficit (in Afl.) for a single adult household for September, 2016 - 2021

Period	Minimum		Surplus/deficit
	1 adult	wage	
2016	2,133	1,678	-455
2017	2,097	1,711	-386
2018	2,203	1,711	-492
2019	2,332	1,762	-570
2020	2,277	1,815	-462
2021	2,304	1,815	-489

Source: Central Bureau of Statistics Aruba

APPENDIX 1
Monthly & Yearly Changes (%) in the Consumer Price Index for September 2021, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	2020 Sep	2020 Dec	2021 Aug	2021 Sep	Monthly Aug - Sep	Ytd Dec - Sep	End of period Sep 20 - Sep 21	Period average Sep 20 - Sep 21
Food and non-alcoholic beverages	1,087.7	97.43	96.70	98.05	98.60	0.6	2.0	1.2	-1.6
Food	964.1	97.05	96.26	97.70	98.28	0.6	2.1	1.3	-1.7
Non-alcoholic beverages	123.6	100.40	100.16	100.74	101.06	0.3	0.9	0.7	-0.2
Alcoholic beverages and tobacco	78.2	100.56	99.87	100.48	100.34	-0.1	0.5	-0.2	-0.1
Alcoholic beverages for consumption at home	62.2	99.35	98.46	98.85	98.60	-0.3	0.1	-0.8	-0.6
Tobacco	16.0	105.27	105.36	106.81	107.08	0.3	1.6	1.7	2.0
Clothing and footwear	276.8	94.02	93.45	87.66	90.92	3.7	-2.7	-3.3	-8.3
Clothing	212.8	95.31	94.23	89.66	93.17	3.9	-1.1	-2.3	-6.4
Footwear	64.0	89.71	90.85	81.02	83.44	3.0	-8.2	-7.0	-14.3
Housing	2,522.2	98.49	97.98	98.88	98.61	-0.3	0.6	0.1	-0.1
Actual rentals for housing	666.7	101.88	102.26	103.28	103.40	0.1	1.1	1.5	1.5
Imputed rentals for housing	34.4	100.25	98.52	99.77	98.25	-1.5	-0.3	-2.0	-2.0
Maintenance and repair of the dwelling	517.0	104.09	101.19	104.20	102.81	-1.3	1.6	-1.2	1.3
Water supply and miscellaneous services relating to the dwelling	463.6	101.35	101.35	101.35	101.35	0.0	0.0	0.0	0.2
Electricity, gas and other fuels	840.4	90.72	90.72	90.72	90.72	0.0	0.0	0.0	-2.5
Household operation	929.2	93.96	96.66	95.87	99.33	3.6	2.8	5.7	-2.8
Furniture, furnishings, carpets and other floor coverings	128.8	70.38	78.66	78.74	79.52	1.0	1.1	13.0	-14.9
Household textiles	58.6	86.43	83.92	80.67	80.02	-0.8	-4.6	-7.4	-12.1
Household appliances	246.0	91.57	97.52	94.38	106.23	12.6	8.9	16.0	-3.3
Glassware, tableware and household utensils	17.2	92.42	86.32	76.97	73.68	-4.3	-14.6	-20.3	-13.7
Tools and equipment for house and garden	58.2	110.07	114.57	118.88	124.80	5.0	8.9	13.4	11.7
Goods and services for routine household maintenance and cleaning	420.5	101.46	101.40	101.70	101.59	-0.1	0.2	0.1	0.4
Health	223.1	99.19	97.76	94.25	97.54	3.5	-0.2	-1.7	-3.5
Medical products, appliances and equipment	152.3	98.64	96.41	93.29	97.68	4.7	1.3	-1.0	-4.3
Out-patient services	52.4	100.00	98.12	94.00	95.59	1.7	-2.6	-4.4	-3.5
Other treatments	7.8	97.85	96.49	90.78	92.35	1.7	-4.3	-5.6	-5.0
Health products and services n.e.c.	10.5	104.10	116.56	111.94	109.03	-2.6	-6.5	4.7	9.6
Transport	1,257.4	92.43	90.90	103.97	102.74	-1.2	13.0	11.2	3.7
Purchase of vehicles	442.6	95.19	94.83	98.90	97.27	-1.6	2.6	2.2	-1.0
Operation of personal transport equipment	763.3	91.43	89.67	107.44	107.43	0.0	19.8	17.5	7.1
Transport services	51.5	83.67	75.35	96.09	80.39	-16.3	6.7	-3.9	-3.4
Communications	849.6	99.45	99.80	99.43	100.14	0.7	0.3	0.7	0.1
Telephone and telefax equipment	43.8	89.35	93.97	86.81	100.44	15.7	6.9	12.4	0.7
Telephone and telefax services	805.8	100.00	100.12	100.12	100.12	0.0	0.0	0.1	0.1
Recreation and culture	1,013.3	95.93	97.20	95.98	96.33	0.4	-0.9	0.4	-3.5
Audio-visual, photographic and information processing equipment	58.5	72.62	87.99	91.13	105.21	15.5	19.6	44.9	0.9
Other major durables for recreation and culture	20.0	102.81	94.07	109.30	109.88	0.5	16.8	6.9	-3.4
Other recreational items and equipment; gardens and pets	266.6	103.65	99.29	100.15	101.95	1.8	2.7	-1.6	-3.1
Recreational and cultural services	309.1	99.77	99.65	102.46	102.53	0.1	2.9	2.8	0.6
Newspapers, books and stationery	43.7	91.32	83.52	81.99	81.49	-0.6	-2.4	-10.8	-10.4
Holidays	315.4	90.18	96.84	88.11	85.04	-3.5	-12.2	-5.7	-7.8
Education	98.0	100.17	100.17	104.79	104.79	0.0	4.6	4.6	0.8
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	100.00	100.00	110.44	110.44	0.0	10.4	10.4	1.7
Post-secondary non-tertiary education	4.6	100.00	100.00	100.00	100.00	0.0	0.0	0.0	0.0
Tertiary education	23.6	100.00	100.00	100.00	100.00	0.0	0.0	0.0	0.0
Education not definable by level	2.5	106.67	106.67	106.67	106.67	0.0	0.0	0.0	1.6
Restaurants and hotels	442.0	101.79	102.44	104.95	103.45	-1.4	1.0	1.6	0.0
Catering services	429.8	102.34	102.68	104.39	104.93	0.5	2.2	2.5	1.3
Accommodation services	12.2	82.35	93.96	124.68	51.18	-58.9	-45.5	-37.8	-39.3
Miscellaneous goods and services	1,222.6	98.94	98.43	98.98	99.36	0.4	0.9	0.4	-0.7
Personal care	427.1	97.02	96.65	96.54	96.38	-0.2	-0.3	-0.7	-1.5
Personal effects n.e.c.	106.6	99.03	94.62	96.53	96.59	0.1	2.1	-2.5	-3.6
Social protection	78.2	100.00	100.00	106.67	113.33	6.3	13.3	13.3	1.7
Insurance	610.7	100.14	100.14	100.14	100.14	0.0	0.0	0.0	0.0
CPI	10,000.0	97.14	97.06	98.84	99.24	0.4	2.2	2.2	-0.7

Source: Central Bureau of Statistics Aruba

Please note: CPI for the period Jun 2019 - Sep 2020 have been revised and corrected

APPENDIX 2
Effect on the Consumer Price Index per sector and category for September 2021, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly Aug - Sep	Ytd Dec - Sep	End of period Sep 20 - Sep 21	Period average Sep 20 - Sep 21
Food and non-alcoholic beverages	1,087.7	0.06	0.21	0.13	-0.17
Food	964.1	0.06	0.20	0.12	-0.17
Non-alcoholic beverages	123.6	0.00	0.01	0.01	0.00
Alcoholic beverages and tobacco	78.2	0.00	0.00	0.00	0.00
Alcoholic beverages for consumption at home	62.2	0.00	0.00	0.00	0.00
Tobacco	16.0	0.00	0.00	0.00	0.00
Clothing and footwear	276.8	0.09	-0.07	-0.09	-0.23
Clothing	212.8	0.08	-0.02	-0.05	-0.13
Footwear	64.0	0.02	-0.05	-0.04	-0.09
Housing	2,522.2	-0.07	0.16	0.03	-0.02
Actual rentals for housing	666.7	0.01	0.08	0.10	0.10
Imputed rentals for housing	34.4	-0.01	0.00	-0.01	-0.01
Maintenance and repair of the dwelling	517.0	-0.07	0.09	-0.07	0.07
Water supply and miscellaneous services relating to the dwelling	463.6	0.00	0.00	0.00	0.01
Electricity, gas and other fuels	840.4	0.00	0.00	0.00	-0.20
Household operation	929.2	0.33	0.26	0.51	-0.26
Furniture, furnishings, carpets and other floor coverings	128.8	0.01	0.01	0.12	-0.18
Household textiles	58.6	0.00	-0.02	-0.04	-0.07
Household appliances	246.0	0.30	0.22	0.37	-0.08
Glassware, tableware and household utensils	17.2	-0.01	-0.02	-0.03	-0.02
Tools and equipment for house and garden	58.2	0.03	0.06	0.09	0.07
Goods and services for routine household maintenance and cleaning	420.5	0.00	0.01	0.01	0.02
Health	223.1	0.07	-0.01	-0.04	-0.08
Medical products, appliances and equipment	152.3	0.07	0.02	-0.02	-0.07
Out-patient services	52.4	0.01	-0.01	-0.02	-0.02
Other treatments	7.8	0.00	0.00	0.00	0.00
Health products and services n.e.c.	10.5	0.00	-0.01	0.01	0.01
Transport	1,257.4	-0.16	1.53	1.33	0.45
Purchase of vehicles	442.6	-0.07	0.11	0.09	-0.05
Operation of personal transport equipment	763.3	0.00	1.40	1.26	0.51
Transport services	51.5	-0.08	0.03	-0.02	-0.02
Communications	849.6	0.06	0.03	0.06	0.01
Telephone and telefax equipment	43.8	0.06	0.03	0.05	0.00
Telephone and telefax services	805.8	0.00	0.00	0.01	0.01
Recreation and culture	1,013.3	0.04	-0.09	0.04	-0.36
Audio-visual, photographic and information processing equipment	58.5	0.08	0.10	0.20	0.01
Other major durables for recreation and culture	20.0	0.00	0.03	0.01	-0.01
Other recreational items and equipment; gardens and pets	266.6	0.05	0.07	-0.05	-0.08
Recreational and cultural services	309.1	0.00	0.09	0.09	0.02
Newspapers, books and stationery	43.7	0.00	-0.01	-0.04	-0.04
Holidays	315.4	-0.10	-0.38	-0.17	-0.25
Education	98.0	0.00	0.05	0.05	0.01
Pre primary and primary education	24.0	0.00	0.00	0.00	0.00
Secondary education	43.4	0.00	0.05	0.05	0.01
Post-secondary non-tertiary education	4.6	0.00	0.00	0.00	0.00
Tertiary education	23.6	0.00	0.00	0.00	0.00
Education not definable by level	2.5	0.00	0.00	0.00	0.00
Restaurants and hotels	442.0	-0.07	0.05	0.08	0.00
Catering services	429.8	0.02	0.10	0.11	0.06
Accommodation services	12.2	-0.09	-0.05	-0.04	-0.06
Miscellaneous goods and services	1,222.6	0.05	0.12	0.05	-0.08
Personal care	427.1	-0.01	-0.01	-0.03	-0.06
Personal effects n.e.c.	106.6	0.00	0.02	-0.03	-0.04
Social protection	78.2	0.05	0.11	0.11	0.01
Insurance	610.7	0.00	0.00	0.00	0.00
CPI	10,000.0	0.40	2.24	2.16	-0.74

Source: Central Bureau of Statistics Aruba

Please note: CPI for the period Jun 2019 - Sep 2020 have been revised and corrected

APPENDIX 3
Monthly & Yearly Changes (%) and effect in the Food & catering services for September 2021, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly Aug - Sep	End of period Sep 20 - Sep 21	Monthly Aug - Sep	End of period Sep 20 - Sep 21
Food & catering services	1,517.5	0.5	1.6	0.245	0.245
Food at home	1,087.7	0.6	1.2	0.130	0.130
Bread and cereals	178.1	0.2	1.6	0.029	0.029
Rice	23.5	-0.3	3.2	-0.001	0.008
Bread	72.1	0.8	7.3	0.007	0.055
Pasta products	9.2	0.7	0.2	0.001	0.000
Other cereals and cereal products	73.3	-0.5	-4.6	-0.003	-0.034
Meat	242.5	0.3	2.1	0.053	0.053
Bovine	67.3	0.7	1.2	0.005	0.008
Swine	25.5	0.3	5.5	0.001	0.015
Poultry	75.7	0.0	2.5	0.000	0.019
Other meat and meat preparations	74.0	0.2	1.5	0.002	0.011
Fish and other seafood	49.0	-1.9	-1.1	-0.005	-0.005
Fish and seafood preparations	49.0	-1.9	-1.1	-0.009	-0.005
Milk, cheese and eggs	135.3	-0.7	1.5	0.020	0.020
Cheese	55.4	-0.7	1.4	-0.004	0.008
Eggs	16.6	0.8	6.1	0.001	0.010
Milk	40.0	0.3	2.9	0.001	0.012
Other milk products	23.3	-3.8	-4.0	-0.009	-0.009
Oils and fats	32.2	1.8	6.8	0.022	0.022
Corn oil	2.8	3.0	14.6	0.001	0.004
Butter and margarine	9.2	2.2	7.6	0.002	0.007
Other oils and fats	20.1	1.4	5.5	0.003	0.011
Fruit	97.6	4.7	2.5	0.023	0.023
Oranges	9.4	4.5	1.9	0.005	0.002
Bananas and plantains	19.9	9.7	-2.3	0.012	-0.003
Apples	9.3	1.7	16.6	0.002	0.015
Avocado	5.0	7.7	-0.6	0.003	0.000
Grapes	9.2	-6.2	5.8	-0.006	0.005
Nuts	11.9	-1.0	-4.9	-0.001	-0.006
Lemons and mandarins	6.0	-6.4	-13.6	-0.003	-0.006
Cherries and strawberries	8.8	26.7	23.5	0.026	0.024
Melons and watermelons	7.7	-1.1	-2.7	-0.001	-0.002
Papayas and pineapples	6.9	7.0	-1.9	0.004	-0.001
Other fruits and fruit products	3.5	-1.5	-13.9	0.000	-0.005
Potatoes and other tubers	18.2	0.9	-1.3	-0.002	-0.002
Potatoes	12.2	0.2	-3.3	0.000	-0.003
Other tubers	2.0	-0.9	1.7	0.000	0.000
Sweet potatoes and yucca	4.0	4.2	2.3	0.001	0.001
Vegetables	89.1	0.5	-3.8	-0.030	-0.030
Lettuce	6.8	16.5	-15.6	0.005	-0.007
Tomatoes	9.7	6.3	3.5	0.006	0.003
Onions and garlic	18.7	-1.7	-1.7	-0.003	-0.003
Celery and broccoli	15.3	-3.5	-8.4	-0.004	-0.010
Other vegetables	15.3	0.3	-4.6	0.000	-0.007
Other preserved or processed vegetables	8.4	-0.4	-0.3	0.000	0.000
Frozen vegetable mixtures	14.8	-0.4	-4.9	-0.001	-0.007
Sugar, jam, honey and other confectionery	42.0	0.4	1.5	0.007	0.007
Sugar	12.1	-0.2	5.2	0.000	0.007
Jams and jellies	2.5	-0.9	-8.0	0.000	-0.002
Other confectionery products	27.5	0.9	0.7	0.002	0.002
Food products n.e.c.	80.1	1.5	0.7	0.006	0.006
Other food products	80.1	1.5	0.7	0.012	0.006
Non-alcoholic beverages	123.6	0.3	0.7	0.008	0.008
Coffee and tea	20.9	1.0	-1.2	0.002	-0.003
Other non-alcoholic beverages	14.6	0.1	1.0	0.000	0.001
Soft and sports drinks	31.0	0.9	3.4	0.003	0.011
Fruit juices	57.1	-0.2	-0.2	-0.001	-0.001
Food away from home	429.8	0.5	2.5	0.115	0.115
Food and beverage consumption away from home	429.8	0.5	2.5	0.024	0.115
Other goods and services	8,482.5	0.4	2.3	1.911	1.911
Other goods	4,735.8	0.9	3.6	0.428	1.685
Other services	3,746.7	-0.3	0.6	-0.112	0.226
CPI	10,000	0.4	2.2	0.401	2.156

Source: Central Bureau of Statistics Aruba

Please note: CPI for the period Jun 2019 - Sep 2020 have been revised and corrected

APPENDIX 4

Overview of Consumer Price Index (CPI) 2020 - 2021, (Jun 2019 = 100)

	Base				YEAR: 2021				YEAR: 2020			
	Jun-19	Jun-19	Jun-19	Jun-19	CHANGE				CHANGE			
	=100.0	=100.0	=100.0	=100.0	Monthly	Year-to date	Yearly	Period average	Monthly	Year-to date	Yearly	Period average
	Jan.'20	Dec.'19	Jan.'21	Dec.'20								
<u>Total Population</u>	99.57	100.13	96.89	97.06	-0.2	-0.2	-2.7	-1.8	-0.6	-0.6	3.4	3.9
Low Income	99.19	99.88	96.80	96.95	-0.2	-0.2	-2.4		-0.7	-0.7	2.7	
High Income	99.74	100.25	96.91	97.10	-0.2	-0.2	-2.8		-0.5	-0.5	3.7	
	Feb.'20	Jan.'20	Feb.'21	Jan.'21								
<u>Total Population</u>	98.90	99.57	97.00	96.89	0.1	-0.1	-1.9	-2.2	-0.7	-1.2	2.3	3.9
Low Income	98.56	99.19	96.92	96.80	0.1	0.0	-1.7		-0.6	-1.3	1.7	
High Income	99.06	99.74	97.01	96.91	0.1	-0.1	-2.1		-0.7	-1.2	2.6	
	Mar.'20	Feb.'20	Mar.'21	Feb.'21								
<u>Total Population</u>	98.67	98.90	97.59	97.00	0.6	0.5	-1.1	-2.3	-0.2	-1.5	0.7	3.6
Low Income	98.35	98.56	97.49	96.92	0.6	0.6	-0.9		-0.2	-1.5	0.1	
High Income	98.82	99.06	97.63	97.01	0.6	0.5	-1.2		-0.2	-1.4	0.9	
	Apr.'20	Mar.'20	Apr.'21	Mar.'21								
<u>Total Population</u>	97.93	98.67	97.57	97.59	-0.02	0.5	-0.4	-2.3	-0.8	-2.2	-0.9	3.2
Low Income	97.66	98.35	97.52	97.49	0.03	0.6	-0.1		-0.7	-2.2	-1.0	
High Income	98.04	98.82	97.58	97.63	-0.05	0.5	-0.5		-0.8	-2.2	-0.8	
	May'20	Apr.'20	May'21	Apr.'21								
<u>Total Population</u>	97.63	97.93	97.39	97.57	-0.2	0.3	-0.2	-2.2	-0.3	-2.5	-1.6	2.6
Low Income	97.38	97.66	97.31	97.52	-0.2	0.4	-0.1		-0.3	-2.5	-2.1	
High Income	97.74	98.04	97.42	97.58	-0.2	0.3	-0.3		-0.3	-2.5	-1.4	
	Jun'20	May'20	Jun'21	May'21								
<u>Total Population</u>	97.14	97.63	98.09	97.39	0.7	1.1	1.0	-1.8	-0.5	-3.0	-2.9	2.0
Low Income	96.92	97.38	97.94	97.31	0.6	1.0	1.1		-0.5	-3.0	-3.1	
High Income	97.22	97.74	98.14	97.42	0.7	1.1	0.9		-0.5	-3.0	-2.8	
	Jul'20	Jun'20	Jul'21	Jun'21								
<u>Total Population</u>	96.83	97.14	98.53	98.09	0.5	1.5	1.8	-1.4	-0.3	-3.3	-3.2	1.4
Low Income	96.95	96.92	98.24	97.94	0.3	1.3	1.3		0.0	-2.9	-3.0	
High Income	96.76	97.22	98.65	98.14	0.5	1.6	2.0		-0.5	-3.5	-3.3	
	Aug.'20	Jul'20	Aug.'21	Jul'21								
<u>Total Population</u>	97.45	96.83	98.84	98.53	0.3	1.8	1.4	-1.1	0.6	-2.7	-2.5	0.9
Low Income	97.56	96.95	98.61	98.24	0.4	1.7	1.1		0.6	-2.6	-2.4	
High Income	97.39	96.76	98.93	98.65	0.3	1.9	1.6		0.6	-2.7	-2.5	
	Sep.'20	Aug.'20	Sep.'21	Aug.'21								
<u>Total Population</u>	97.14	97.45	99.24	98.84	0.4	2.2	2.2	-0.7	-0.3	-3.0	-2.3	0.4
Low Income	97.15	97.56	99.08	98.61	0.5	2.2	2.0		-0.4	-3.0	-2.4	
High Income	97.12	97.39	99.30	98.93	0.4	2.3	2.2		-0.3	-3.0	-2.3	
	Oct.'20	Sep.'20	Oct.'21	Sep.'21								
<u>Total Population</u>	96.97	97.14							-0.2	-3.2	-2.8	-0.2
Low Income	97.03	97.15							-0.1	-3.1	-2.8	
High Income	96.93	97.12							-0.2	-3.2	-2.8	
	Nov.'20	Oct.'20	Nov.'21	Oct.'21								
<u>Total Population</u>	96.93	96.97							-0.04	-3.2	-2.7	-0.8
Low Income	96.94	97.03							-0.1	-3.2	-2.6	
High Income	96.91	96.93							-0.02	-3.2	-2.7	
	Dec.'20	Nov.'20	Dec.'21	Nov.'21								
<u>Total Population</u>	97.06	96.93							0.1	-3.1	-3.1	-1.3
Low Income	96.95	96.94							0.01	-3.2	-2.9	
High Income	97.10	96.91							0.2	-3.0	-3.1	

Source: Central Bureau of Statistics Aruba

Please note: CPI for the period Jun 2019 - Sep 2020 have been revised and corrected

APPENDIX 5

Prices of crude oil, utilities and gasoline, 2001 - 2021

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
January-21	51.23	31.09	31.99	42.09	12.50	240.09	137.05	185.90	152.40
February-21	59.10	31.09	31.99	42.09	12.50	240.09	137.05	196.30	158.60
March-21	62.62	31.09	31.99	42.09	12.50	240.09	137.05	208.78	170.90
April-21	61.52	31.09	31.99	42.09	12.50	240.09	137.05	222.10	174.60
May-21	65.17	31.09	31.99	42.09	12.50	240.09	137.05	222.10	174.60
June-21	70.97	31.09	31.99	42.09	12.50	240.09	137.05	225.80	183.00
July-21	72.61	31.09	31.99	42.09	12.50	240.09	137.05	230.70	188.70
August-21	67.62	31.09	31.99	42.09	12.50	240.09	137.05	235.70	189.30
September-21	70.50	31.09	31.99	42.09	12.50	240.09	137.05	233.60	185.60
October-21									
November-21									
December-21									
Average 2020	64.59	31.09	31.99	42.09	12.50	240.09	137.05	217.89	175.30

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