

Consumer Price Index, base period June 2019

August 2019

The Central Bureau of Statistics presents the most important findings for the Consumer Price Index (CPI) for the month of August 2019.

Consumer Price Index for the month of August 2019

The CPI for August 2019 is 99.80, a decrease of 0.3% compared to the index of July 2019 (100.06) and accumulating an increase of 3.2% up to and including August of this year.

The percentage change of the CPI over the last twelve (12) months (August 2018 to August 2019) is 4.0, a decrease of 0.7 ppts compared to the percentage change for the same period of last year (4.7%).

The period average percentage change of the CPI for the period August 2018 - August 2019 is 4.1%, an increase of 2.3 ppts compared to the period average percentage change over the period August 2017 - August 2018 (1.8%).

During this month, four (4) of the twelve (12) sectors registered decreases in prices. The decreases that had the greatest influence on the CPI were registered for the "Recreation and culture" (-3.0%) and "Food and non-alcoholic beverages" (-0.6%) sectors, which contributed with an effect of -0.26 and -0.10 ppts, respectively. The decreases in the remaining sectors had an effect of -0.03 ppts on the CPI of August 2019.

Aforementioned decreases were partially offset mainly by an increase in the index for the "Transport" (0.9%) sector, causing an effect of 0.11 ppts. The increases in the remaining sectors had an effect of -0.02 ppts on the CPI of August 2019.

The decrease in the "Recreation and culture" sector was due to a decrease in the category "Holidays" (-13.6%), which contributed to an effect of -0.26 ppts. The decrease in the "Food and non-alcoholic beverages" sector was caused by a decrease of 0.6% in the category "Food", which contributed to an effect of -0.10 ppts.

The increase in the "Transport" sector was due to an increase in the category "Operation of personal transport equipment" (1.9%), which contributed to an effect of 0.15 ppts.

Consumption basket

The consumption basket of the CPI consists of 408 goods and services. Compared to July 2019, 24.5% of these products had an increase in price, causing an effect of 0.47 ppts, while 21.8% showed a decrease, contributing to an effect of -0.73 ppts and the remaining 53.7% had no change in price. The prices of goods increased by 0.1% and caused an influence of 0.03 ppts. The prices of services showed a decrease of 0.7% and had an influence of -0.29 ppts on the CPI of August 2019.


Core inflation

The CPIC (core inflation) - CPI excluding the effect of energy and food – was 2.9% in August 2019. The energy index - which consists of the products: electricity, water, gasoline and diesel – was 1.4%. The food index showed an increase of 12.4%.

Subsistence level

The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) in August 2019 is Afl. 4,981, an increase of Afl. 339 compared to August 2018 (Afl. 4,642). The subsistence level for a single adult household is Afl. 2,372, an increase of Afl. 162 compared to August 2018 (Afl. 2,210).

October 18, 2019



central bureau of statistics
AUGUST 2019

CPI (BASE JUN 2019 = 100)		
Index	↓	99.80
Monthly	↓	-0.3
Year-to-date	↑	3.2
End of period	↑	4.0
Period average	↑	4.1
Goods	↑	0.1
Services	↓	-0.7

CPIC		
CPIC	↑	2.9
Energy	↑	1.4
Food	↑	12.4

in AFL.

SUBSISTENCE LEVEL		
1 adult	↓	2,372
2 adults + 2 children	↓	4,981

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-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19
Index	95.96	95.77	95.66	95.97	96.67	96.25	96.66	98.00	98.83	99.19	100.00	100.06	99.80
Monthly	-0.6	-0.2	-0.11	0.3	0.7	-0.4	0.4	1.4	0.8	0.4	0.8	0.1	-0.3
Year-to-date	3.7	3.5	3.4	3.7	4.5	-0.4	0.0	1.4	2.2	2.6	3.4	3.5	3.2
End of period	4.7	4.7	3.9	4.4	4.5	3.6	3.0	3.5	4.5	4.5	4.8	3.7	4.0
Period average	1.8	2.3	2.7	3.2	3.6	3.8	3.9	3.9	4.1	4.2	4.3	4.2	4.1
Goods	-0.2	0.0	0.1	0.4	-0.2	0.2	0.3	2.3	0.5	1.3	0.7	-0.3	0.1
Services	-1.1	-0.4	-0.5	0.2	2.1	-1.3	0.5	0.1	1.3	-1.0	1.0	0.6	-0.7
CPIC	n.a.	n.a.	n.a.	n.a.	1.9	2.0	2.2	2.3	2.5	2.8	3.0	2.9	2.9
Energy	n.a.	n.a.	n.a.	n.a.	3.8	3.7	3.4	3.3	3.1	2.9	2.5	1.9	1.4
Food	n.a.	n.a.	n.a.	n.a.	11.4	12.4	12.1	12.1	12.0	11.9	12.0	12.1	12.4
1 adult	2,210	2,208	2,211	2,228	2,244	2,255	2,264	2,317	2,338	2,361	2,384	2,379	2,372
2 adults + 2 children	4,642	4,637	4,644	4,678	4,712	4,735	4,754	4,867	4,909	4,957	5,005	4,997	4,981

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 18 - Aug 19	Period average Aug 18 - Aug 19
CPI	10,000.0	-0.25	-0.3	3.2	4.0	4.1
01. Food and non-alcoholic beverages	1,087.7	-0.10	-0.6	12.3	15.6	12.4
02. Alcoholic beverages and tobacco	78.2	0.00	0.0	14.7	15.1	11.7
03. Clothing and footwear	276.8	0.00	0.0	0.2	3.7	4.2
04. Housing	2,522.2	0.01	0.0	0.9	1.4	0.9
05. Household operation	929.2	0.00	0.0	0.0	-2.5	0.3
06. Health	223.1	0.00	-0.3	-0.5	-0.8	6.7
07. Transport	1,257.4	0.11	0.9	3.2	0.3	3.5
08. Communications	849.6	0.00	0.0	0.0	8.0	8.7
09. Recreation and culture	1,013.3	-0.26	-3.0	0.0	1.8	0.9
10. Education	98.0	0.00	0.0	0.0	0.0	0.4
11. Restaurants and hotels	442.0	0.00	0.1	2.7	3.3	4.2
12. Miscellaneous goods and services	1,222.6	-0.02	-0.2	3.1	2.7	2.5

Source: Central Bureau of Statistics Aruba

Table 3 Categories with the greatest positive effect on the CPI of August 2019

Category	Monthly change	Effect
Operation of personal transport equipment	1.9	0.15
Actual rentals for housing	0.1	0.01
Other recreational items and equipment; gardens and pets	0.2	0.01

Source: Central Bureau of Statistics Aruba

Table 4 Categories with the greatest negative effect on the CPI of August 2019

Category	Monthly change	Effect
Holidays	-13.6	-0.26
Food	-0.6	-0.10
Transport services	-8.7	-0.04
Personal care	-0.4	-0.02
Personal effects n.e.c.	-0.6	-0.01

Source: Central Bureau of Statistics Aruba

Change in prices of crude oil, utilities, gasoline and diesel in August 2019

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In August 2019 the average price per barrel of crude oil (US\$ 55.17) had a decrease of US\$ 2.11 (-3.7%) compared to July 2019 (US\$ 57.28).

The total energy charge per kWh for the usage of electricity up to 500 kWh did not change in August 2019, it stayed at Afl. 34.52 cents per kWh. The total energy charge per kWh for the usage of electricity between 501 - 1000 kWh did not change in August 2019, it stayed at Afl. 35.72 cents per kWh. Additionally, the total energy charge per kWh for the usage of electricity above 1000 kWh did not change in August 2019, it stayed at Afl. 45.93 cents per kWh. The prices of electricity and water did not change compared to July 2019. Subsequently, the average electricity price per household remained at Afl. 265.65, while the average price of water per household remained at Afl. 137.05.

In August 2019 the price of gasoline registered an increase of Afl. 7.10 cents (3.4%) and had an effect of 0.15 ppts on the CPI. The price of diesel registered an increase of Afl. 3.00 cents (1.7%) and had an effect of 0.01 ppt on the CPI of August 2019.

In August 2019, utilities, gasoline and diesel as a group showed an increase in price of 1.0% compared to July 2019, and had an influence of 0.16 ppts on the CPI, while the remaining 404 goods and services, as a group, experienced a decrease of 0.5% in price, causing an effect of -0.42 ppts on the CPI.

Table 6 Effect on the CPI of August 2019 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	3.4	0.15
Water	367.3	0.0	0.00
Diesel	30.2	1.7	0.01
Total group	1,638.1	1.0	0.16
Remaining goods and services	8,361.9	-0.5	-0.42
CPI	10,000.0	-0.3	-0.25

Source: Central Bureau of Statistics Aruba

Table 5 Prices of crude oil, utilities, gasoline and diesel, 2018 - 2019

Month	2018							2019						
	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	63.38	34.52	35.72	265.65	137.05	186.80	161.90	50.65	34.52	35.72	265.65	137.05	188.50	165.10
March	62.59	34.52	35.72	265.65	137.05	194.30	168.30	54.45	34.52	35.72	265.65	137.05	189.40	170.20
April	62.82	34.52	35.72	265.65	137.05	193.20	165.00	57.84	34.52	35.72	265.65	137.05	197.70	177.30
May	66.14	34.52	35.72	265.65	137.05	195.50	164.60	63.89	34.52	35.72	265.65	137.05	197.70	181.10
June	70.31	34.52	35.72	265.65	137.05	202.50	172.00	60.89	34.52	35.72	265.65	137.05	209.50	185.00
July	67.77	34.52	35.72	265.65	137.05	208.90	179.70	54.66	34.52	35.72	265.65	137.05	209.50	183.70
August	71.16	34.52	35.72	265.65	137.05	214.80	184.70	57.28	34.52	35.72	265.65	137.05	208.00	174.20
September	68.25	34.52	35.72	265.65	137.05	217.10	184.60	55.17	34.52	35.72	265.65	137.05	215.10	177.20
October	70.15	34.52	35.72	265.65	137.05	215.90	185.00							
November	71.44	34.52	35.72	265.65	137.05	216.40	190.10							
December	57.91	34.52	35.72	265.65	137.05	214.60	194.20							
Yearly Average	49.09	34.52	35.72	265.65	137.05	199.40	181.00							
Yearly Average	65.08	34.52	35.72	265.65	137.05	204.95	177.59	56.85	34.52	35.72	265.65	137.05	201.93	176.73

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

⁵ Gasoline and diesel prices in Afl. cents per liter

Change in prices of Food & catering services in August 2019

The "Food & catering services" index showed a decrease of 0.4% in August 2019, after a decrease of also 0.4% in July 2019. The index for "Food at home" showed a decrease of 0.6% in August, as five (5) of the eleven (11) "Food at home" indices decreased in August 2019. The "Fruit" index registered the largest decrease (-3.0%) in August 2019. Furthermore, decreases were posted in the indices for "Bread and cereals" (-1.2%) and "Sugar, jam, honey and other confectionery" (-0.3%).

The "Potatoes and other tubers" index registered the largest increase (7.1%) in August 2019.

Over the last twelve (12) months, the "Food & catering services" has increased by 12.5%. The "Food at home" index showed an increase of 15.6%. The "Fruit" index increased by 41.9%, the largest increase among the "Food at home" food groups.

The index for "Food away from home" was unchanged in August 2019 and has increased by 3.1% over the last twelve (12) months.

In August 2019, "Food at home" and "Food away from home" as a group showed a decrease in price of 0.4% compared to July 2019, and had an influence of -0.10 pts on the CPI, while the remaining goods and services, as a group, experienced a decrease in price of 0.2%, causing an effect of -0.15 pts on the CPI.

Table 8 Effect on the CPI of August 2019 of Food at home and Food away from home

Category	Weight	Monthly change	Effect
<i>Food at home</i>	1,087.7	-0.6	-0.10
<i>Food away from home</i>	429.8	0.0	0.00
<i>Total group</i>	1,517.5	-0.4	-0.10
<i>Remaining goods and services</i>	8,482.5	-0.2	-0.15
<i>CPI</i>	10,000.0	-0.3	-0.25

Source: Central Bureau of Statistics Aruba

Table 7 Percentage change for Food & catering services

	Indices	Indices			Percentage changes			Effect		
		Weight coefficient	Aug-18	Jul-19	Aug-19	Monthly Jun - Jul	Monthly Jul - Aug	End of period Aug 18 - Aug 19	Monthly Jul - Aug	End of period Aug 18 - Aug 19
Food & catering services		1,517.5	132.04	149.23	148.58	-0.4	-0.4	12.5	-0.100	2.616
Food at home		1,087.7	138.97	161.54	160.63	-0.5	-0.6	15.6	-0.100	2.455
<i>Bread and cereals</i>		178.1	114.99	120.33	118.87	0.0	-1.2	3.4	-0.026	0.072
<i>Meat</i>		242.5	120.14	126.44	126.37	0.4	-0.1	5.2	-0.002	0.157
<i>Fish and other seafood</i>		49.0	103.77	110.66	112.69	0.4	1.8	8.6	0.010	0.046
<i>Milk, cheese and eggs</i>		135.3	118.93	126.23	126.15	0.0	-0.1	6.1	-0.001	0.102
<i>Oils and fats</i>		32.2	136.18	150.27	151.15	-0.2	0.6	11.0	0.003	0.050
<i>Fruit</i>		97.6	336.44	491.98	477.38	-2.6	-3.0	41.9	-0.142	1.433
<i>Potatoes and other tubers</i>		18.2	119.11	133.83	143.37	-3.0	7.1	20.4	0.017	0.046
<i>Vegetables</i>		89.1	158.30	190.43	193.96	1.2	1.9	22.5	0.031	0.331
<i>Sugar, jam, honey and other confectionery</i>		42.0	93.75	99.51	99.24	0.3	-0.3	5.9	-0.001	0.024
<i>Food products n.e.c.</i>		80.1	106.15	115.34	116.33	0.6	0.9	9.6	0.008	0.085
<i>Non-alcoholic beverages</i>		123.6	116.77	124.93	125.19	0.3	0.2	7.2	0.003	0.012
Food away from home		429.8	114.51	118.09	118.09	0.0	0.0	3.1	0.000	0.161
Other goods and services		8,482.5	89.50	91.26	91.08	0.2	-0.2	1.8	-0.155	1.392
<i>Other goods</i>		4,735.8	88.41	89.68	89.95	-0.2	0.3	1.7	0.131	0.761
<i>Other services</i>		3,746.7	90.88	93.26	92.49	0.7	-0.8	1.8	-0.286	0.630
CPI		10,000.0	95.96	100.06	99.80	0.1	-0.3	4.0	-0.255	4.007

Source: Central Bureau of Statistics Aruba

APPENDIX 1

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

DESCRIPTION	WEIGHT coefficient	2018	2018	2019	2019	Monthly Jul - Aug	Ytd Dec - Aug	End of period Aug 18 - Aug 19	Period average Aug 18 - Aug 19
		Aug	Dec	Jul	Aug				
Food and non-alcoholic beverages	1,087.7	138.97	143.00	161.54	160.63	-0.6	12.3	15.6	12.4
Food	964.1	141.81	146.27	166.23	165.17	-0.6	12.9	16.5	12.8
Non-alcoholic beverages	123.6	116.77	117.49	124.93	125.19	0.2	6.6	7.2	8.4
Alcoholic beverages and tobacco	78.2	115.49	115.87	132.90	132.91	0.0	14.7	15.1	11.7
Alcoholic beverages for consumption at home	62.2	95.88	96.42	115.05	114.87	-0.2	19.1	19.8	14.0
Tobacco	16.0	191.70	191.41	202.27	203.00	0.4	6.1	5.9	7.3
Clothing and footwear	276.8	73.86	76.46	76.60	76.60	0.0	0.2	3.7	4.2
Clothing	212.8	76.56	79.88	80.82	80.82	0.0	1.2	5.6	4.9
Footwear	64.0	64.88	65.09	62.56	62.56	0.0	-3.9	-3.6	1.7
Housing	2,522.2	101.49	101.94	102.83	102.88	0.0	0.9	1.4	0.9
Actual rentals for housing	666.7	124.69	125.41	126.50	126.65	0.1	1.0	1.6	1.7
Imputed rentals for housing	34.4	104.13	104.51	105.29	105.29	0.0	0.7	1.1	1.1
Maintenance and repair of the dwelling	517.0	85.61	86.82	89.76	89.76	0.0	3.4	4.8	1.7
Water supply and miscellaneous services relating to the dwelling	463.6	95.30	95.30	95.30	95.30	0.0	0.0	0.0	0.1
Electricity, gas and other fuels	840.4	96.16	96.16	96.16	96.16	0.0	0.0	0.0	0.2
Household operation	929.2	76.86	74.94	74.91	74.92	0.0	0.0	-2.5	0.3
Furniture, furnishings, carpets and other floor coverings	128.8	46.13	43.47	45.54	45.54	0.0	4.7	-1.3	-2.8
Household textiles	58.6	68.39	65.15	60.85	60.93	0.1	-6.5	-10.9	0.9
Household appliances	246.0	54.62	49.35	47.29	47.29	0.0	-4.2	-13.4	-5.3
Glassware, tableware and household utensils	17.2	61.08	59.81	64.73	65.11	0.6	8.9	6.6	7.9
Tools and equipment for house and garden	58.2	50.48	51.02	46.74	46.61	-0.3	-8.7	-7.7	2.6
Goods and services for routine household maintenance and cleaning	420.5	104.75	104.84	106.35	106.36	0.0	1.4	1.5	2.0
Health	223.1	85.67	85.40	85.18	84.96	-0.3	-0.5	-0.8	6.7
Medical products, appliances and equipment	152.3	89.63	89.37	88.85	88.53	-0.4	-0.9	-1.2	5.7
Out-patient services	52.4	77.72	77.72	77.72	77.72	0.0	0.0	0.0	12.1
Other treatments	7.8	75.50	74.38	76.07	76.07	0.0	2.3	0.8	1.9
Health products and services n.e.c.	10.5	75.50	74.38	76.07	76.07	0.0	2.3	0.8	1.9
Transport	1,257.4	100.27	97.47	99.68	100.58	0.9	3.2	0.3	3.5
Purchase of vehicles	442.6	90.23	90.24	90.24	90.24	0.0	0.0	0.0	2.1
Operation of personal transport equipment	763.3	107.59	103.17	105.91	107.91	1.9	4.6	0.3	4.3
Transport services	51.5	78.20	75.09	88.40	80.73	-8.7	7.5	3.2	0.8
Communications	849.6	72.15	77.94	77.95	77.95	0.0	0.0	8.0	8.7
Telephone and telefax equipment	43.8	20.62	17.07	17.20	17.20	0.0	0.8	-16.6	-20.1
Telephone and telefax services	805.8	74.95	81.25	81.25	81.25	0.0	0.0	8.4	9.2
Recreation and culture	1,013.3	80.33	81.77	84.33	81.80	-3.0	0.0	1.8	0.9
Audio-visual, photographic and information processing equipment	58.5	60.86	58.47	54.86	54.86	0.0	-6.2	-9.9	-8.6
Other major durables for recreation and culture	20.0	39.87	33.19	33.65	33.65	0.0	1.4	-15.6	-4.9
Other recreational items and equipment; gardens and pets	266.6	113.64	114.53	118.37	118.57	0.2	3.5	4.3	2.1
Recreational and cultural services	309.1	89.04	89.04	89.04	89.04	0.0	0.0	0.0	4.9
Newspapers, books and stationery	43.7	73.79	75.38	76.39	76.39	0.0	1.3	3.5	12.0
Holidays	315.4	50.75	55.25	60.72	52.45	-13.6	-5.1	3.4	-7.3
Education	98.0	109.30	109.30	109.30	109.30	0.0	0.0	0.0	0.4
Pre primary and primary education	24.0	86.66	86.66	86.66	86.66	0.0	0.0	0.0	0.0
Secondary education	43.4	94.62	94.62	94.62	94.62	0.0	0.0	0.0	1.0
Post-secondary non-tertiary education	4.6	102.85	102.85	102.85	102.85	0.0	0.0	0.0	0.0
Tertiary education	23.6	160.49	160.49	160.49	160.49	0.0	0.0	0.0	0.0
Education not definable by level	2.5	109.74	109.74	109.74	109.74	0.0	0.0	0.0	0.7
Restaurants and hotels	442.0	113.54	114.15	117.13	117.24	0.1	2.7	3.3	4.2
Catering services	429.8	114.51	115.14	118.09	118.09	0.0	2.6	3.1	4.3
Accommodation services	12.2	79.19	79.27	83.29	87.11	4.6	9.9	10.0	1.9
Miscellaneous goods and services	1,222.6	84.04	83.74	86.53	86.34	-0.2	3.1	2.7	2.5
Personal care	427.1	98.02	98.30	101.50	101.09	-0.4	2.8	3.1	2.8
Personal effects n.e.c.	106.6	91.39	86.74	105.99	105.39	-0.6	21.5	15.3	14.9
Social protection	78.2	115.39	115.39	115.39	115.39	0.0	0.0	0.0	0.0
Insurance	610.7	68.97	68.97	68.97	68.97	0.0	0.0	0.0	0.0
CPI	10,000.0	95.96	96.67	100.06	99.80	-0.3	3.2	4.0	4.1

Source: Central Bureau of Statistics Aruba

APPENDIX 2

Effect on the Consumer Price Index per sector and category for August 2019 (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly Jul - Aug	Ytd Dec - Aug	End of period Aug 18 - Aug 19	Period average Aug 18 - Aug 19
Food and non-alcoholic beverages	1,087.7	-0.10	1.98	2.46	1.92
Food	964.1	-0.10	1.89	2.35	1.80
Non-alcoholic beverages	123.6	0.00	0.10	0.11	0.12
Alcoholic beverages and tobacco	78.2	0.00	0.14	0.14	0.11
Alcoholic beverages for consumption at home	62.2	-0.001	0.12	0.12	0.09
Tobacco	16.0	0.001	0.02	0.02	0.02
Clothing and footwear	276.8	0.00	0.00	0.08	0.09
Clothing	212.8	0.00	0.02	0.09	0.08
Footwear	64.0	0.00	-0.02	-0.02	0.01
Housing	2,522.2	0.01	0.25	0.36	0.25
Actual rentals for housing	666.7	0.01	0.09	0.14	0.15
Imputed rentals for housing	34.4	0.00	0.00	0.00	0.00
Maintenance and repair of the dwelling	517.0	0.00	0.16	0.22	0.08
Water supply and miscellaneous services relating to the dwelling	463.6	0.00	0.00	0.00	0.00
Electricity, gas and other fuels	840.4	0.00	0.00	0.00	0.02
Household operation	929.2	0.00	0.00	-0.19	0.02
Furniture, furnishings, carpets and other floor coverings	128.8	0.00	0.03	-0.01	-0.02
Household textiles	58.6	0.00	-0.03	-0.05	0.00
Household appliances	246.0	0.00	-0.05	-0.19	-0.07
Glassware, tableware and household utensils	17.2	0.00	0.01	0.01	0.01
Tools and equipment for house and garden	58.2	0.00	-0.03	-0.02	0.01
Goods and services for routine household maintenance and cleaning	420.5	0.00	0.07	0.07	0.09
Health	223.1	0.00	-0.01	-0.02	0.13
Medical products, appliances and equipment	152.3	0.00	-0.01	-0.02	0.08
Out-patient services	52.4	0.00	0.00	0.00	0.05
Other treatments	7.8	0.00	0.00	0.00	0.00
Health products and services n.e.c.	10.5	0.00	0.00	0.00	0.00
Transport	1,257.4	0.11	0.40	0.04	0.45
Purchase of vehicles	442.6	0.00	0.00	0.00	0.09
Operation of personal transport equipment	763.3	0.15	0.37	0.03	0.35
Transport services	51.5	-0.04	0.03	0.01	0.00
Communications	849.6	0.00	0.00	0.51	0.56
Telephone and telefax equipment	43.8	0.00	0.00	-0.02	-0.02
Telephone and telefax services	805.8	0.00	0.00	0.53	0.58
Recreation and culture	1,013.3	-0.26	0.00	0.16	0.08
Audio-visual, photographic and information processing equipment	58.5	0.00	-0.02	-0.04	-0.03
Other major durables for recreation and culture	20.0	0.00	0.00	-0.01	0.00
Other recreational items and equipment; gardens and pets	266.6	0.01	0.11	0.14	0.07
Recreational and cultural services	309.1	0.00	0.00	0.00	0.14
Newspapers, books and stationery	43.7	0.00	0.00	0.01	0.04
Holidays	315.4	-0.26	-0.09	0.06	-0.13
Education	98.0	0.00	0.00	0.00	0.00
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	0.00
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	0.00	0.14	0.17	0.22
Catering services	429.8	0.00	0.13	0.16	0.22
Accommodation services	12.2	0.00	0.01	0.01	0.00
Miscellaneous goods and services	1,222.6	-0.02	0.33	0.29	0.27
Personal care	427.1	-0.02	0.12	0.14	0.12
Personal effects n.e.c.	106.6	-0.01	0.21	0.16	0.14
Social protection	78.2	0.00	0.00	0.00	0.00
Insurance	610.7	0.00	0.00	0.00	0.00
CPI	10,000.0	-0.25	3.24	4.01	4.10

Source: Central Bureau of Statistics Aruba

APPENDIX 3

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

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly Jul - Aug	End of period Aug 18 - Aug 19	Monthly Jul - Aug	End of period Aug 18 - Aug 19
Food & catering services	1,517.5	-0.4	12.5	-0.100	2.616
Food at home	1,087.7	-0.6	15.6	-0.100	2.455
Bread and cereals	178.1	-1.2	3.4	-0.026	0.072
Rice	23.5	0.3	5.4	0.001	0.017
Bread	72.1	-2.7	2.1	-0.026	0.020
Pasta products	9.2	0.6	8.5	0.001	0.008
Other cereals and cereal products	73.3	-0.2	3.5	-0.002	0.027
Meat	242.5	-0.1	5.2	-0.002	0.157
Bovine	67.3	-0.6	3.6	-0.005	0.030
Swine	25.5	0.7	6.6	0.002	0.020
Poultry	75.7	0.0	0.1	0.000	0.001
Other meat and meat preparations	74.0	0.1	12.2	0.001	0.107
Fish and other seafood	49.0	1.8	8.6	0.010	0.046
Fish and seafood preparations	49.0	1.8	8.6	0.010	0.046
Milk, cheese and eggs	135.3	-0.1	6.1	-0.001	0.102
Cheese	55.4	0.6	5.1	0.005	0.040
Eggs	16.6	-2.8	11.5	-0.004	0.016
Milk	40.0	-0.3	5.6	-0.002	0.031
Other milk products	23.3	0.2	7.5	0.000	0.015
Oils and fats	32.2	0.6	11.0	0.003	0.050
Corn oil	2.8	-1.2	7.4	-0.001	0.003
Butter and margarine	9.2	-1.6	9.4	-0.002	0.014
Other oils and fats	20.1	2.1	12.5	0.006	0.033
Fruit	97.6	-3.0	41.9	-0.142	1.433
Oranges	9.4	-2.2	-11.4	-0.003	-0.016
Bananas and plantains	19.9	2.8	18.4	0.013	0.077
Apples	9.3	-0.4	2.6	-0.001	0.004
Avocado	5.0	-13.8	64.4	-0.149	0.379
Grapes	9.2	-13.0	-8.3	-0.026	-0.016
Nuts	11.9	0.6	5.2	0.001	0.006
Lemons and mandarins	6.0	-4.5	-9.7	-0.003	-0.007
Cherries and strawberries	8.8	-8.5	62.5	-0.093	0.400
Melons and watermelons	7.7	13.4	61.4	0.092	0.310
Papayas and pineapples	6.9	3.8	51.7	0.024	0.234
Other fruits and fruit products	3.5	1.2	48.5	0.002	0.064
Potatoes and other tubers	18.2	7.1	20.4	0.017	0.046
Potatoes	12.2	9.3	17.4	0.017	0.032
Other tubers	2.0	-5.4	20.4	-0.001	0.004
Sweet potatoes and yucca	4.0	3.1	41.8	0.001	0.011
Vegetables	89.1	1.9	22.5	0.031	0.331
Lettuce	6.8	0.8	67.1	0.001	0.034
Tomatoes	9.7	13.2	10.5	0.015	0.013
Onions and garlic	18.7	7.1	34.3	0.043	0.175
Celery and broccoli	15.3	-7.8	10.7	-0.029	0.034
Other vegetables	15.3	1.7	32.4	0.004	0.055
Other preserved or processed vegetables	8.4		4.9	-0.001	0.007
Frozen vegetable mixtures	14.8	-0.4	7.3	-0.001	0.014
Sugar, jam, honey and other confectionery	42.0	-0.3	5.9	-0.001	0.024
Sugar	12.1	-0.2	8.5	0.000	0.009
Jams and jellies	2.5	0.6	10.3	0.000	0.003
Other confectionery products	27.5	-0.4	4.4	-0.001	0.012
Food products n.e.c.	80.1	0.9	9.6	0.008	0.085
Other food products	80.1	0.9	9.6	0.008	0.085
Non-alcoholic beverages	123.6	0.2	7.2	0.003	0.108
Coffee and tea	20.9	-0.5	5.0	-0.001	0.010
Other non-alcoholic beverages	14.6	1.2	8.1	0.002	0.015
Soft and sports drinks	31.0	0.2	4.9	0.001	0.019
Fruit juices	57.1	0.1	8.7	0.001	0.065
Food away from home	429.8	0.0	3.1	0.000	0.161
Food and beverage consumption away from home	429.8	0.0	3.1	0.000	0.161
Other goods and services	8,482.5	-0.2	1.8	-0.155	1.392
Other goods	4,735.8	0.3	1.7	0.131	0.761
Other services	3,746.7	-0.8	1.8	-0.286	0.630
CPI	10,000	-0.3	4.0	-0.255	4.007

Source: Central Bureau of Statistics Aruba

APPENDIX 4

CONSUMER PRICE INDEX

	Base				YEAR: 2019				YEAR: 2018			
	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	Yearly	Period	Monthly	Year-to	Yearly	Period
	Jan'18	Dec'17	Jan'19	Dec'18	date	date	average	average	date	date	average	average
<u>Total Population</u>	92.88	92.55	96.25	96.67	-0.4	-0.4	3.6	3.8	0.4	0.4	1.1	-0.9
Low Income	92.15	91.72	96.24	96.29	-0.1	-0.1	4.4		0.5	0.5	1.3	
High Income	93.24	92.95	96.29	96.86	-0.6	-0.6	3.3		0.3	0.3	1.0	
	<u>Feb'18</u>	<u>Jan'18</u>	<u>Feb'19</u>	<u>Jan'19</u>								
<u>Total Population</u>	93.88	92.88	96.66	96.25	0.4	0.0	3.0	3.9	1.1	1.4	2.1	-0.6
Low Income	93.43	92.15	96.66	96.24	0.4	0.4	3.5		1.4	1.9	2.7	
High Income	94.12	93.24	96.68	96.29	0.4	-0.2	2.7		0.9	1.3	1.9	
	<u>Mar'18</u>	<u>Feb'18</u>	<u>Mar'19</u>	<u>Feb'19</u>								
<u>Total Population</u>	94.71	93.88	98.00	96.66	1.4	1.4	3.5	3.9	0.9	2.3	3.2	-0.3
Low Income	94.08	93.43	98.07	96.66	1.5	1.8	4.2		0.7	2.6	3.5	
High Income	95.00	94.12	97.99	96.68	1.3	1.2	3.1		0.9	2.2	3.0	
	<u>Apr'18</u>	<u>Mar'18</u>	<u>Apr'19</u>	<u>Mar'19</u>								
<u>Total Population</u>	94.54	94.71	98.83	98.00	0.8	2.2	4.5	4.1	-0.2	2.1	2.8	0.0
Low Income	94.15	94.08	98.74	98.07	0.7	2.5	4.9		0.1	2.7	3.5	
High Income	94.73	95.00	98.86	97.99	0.9	2.1	4.4		-0.3	1.9	2.5	
	<u>May'18</u>	<u>Apr'18</u>	<u>May'19</u>	<u>Apr'19</u>								
<u>Total Population</u>	94.90	94.54	99.19	98.83	0.4	2.6	4.5	4.2	0.4	2.5	3.0	0.3
Low Income	94.56	94.15	99.37	98.74	0.6	3.2	5.1		0.4	3.1	3.8	
High Income	95.07	94.73	99.12	98.86	0.3	2.3	4.3		0.4	2.3	2.7	
	<u>Jun'18</u>	<u>May'18</u>	<u>Jun'19</u>	<u>May'19</u>								
<u>Total Population</u>	95.39	94.90	100.00	99.19	0.8	3.4	4.8	4.3	0.5	3.1	3.8	0.7
Low Income	94.82	94.56	100.00	99.37	0.6	3.9	5.5		0.3	3.4	4.2	
High Income	95.65	95.07	100.00	99.12	0.9	3.2	4.5		0.6	2.9	3.5	
	<u>Jul'18</u>	<u>Jun'18</u>	<u>Jul'19</u>	<u>Jun'19</u>								
<u>Total Population</u>	96.49	95.39	100.06	100.00	0.1	3.5	3.7	4.2	1.2	4.3	5.3	1.3
Low Income	95.82	94.82	99.91	100.00	-0.1	3.8	4.3		1.0	4.5	5.5	
High Income	96.80	95.65	100.13	100.00	0.1	3.4	3.4		1.2	4.2	5.2	
	<u>Aug'18</u>	<u>Jul'18</u>	<u>Aug'19</u>	<u>Jul'19</u>								
<u>Total Population</u>	95.96	96.49	99.80	100.06	-0.3	3.2	4.0	4.1	-0.6	3.7	4.7	1.8
Low Income	95.45	95.82	99.75	99.91	-0.2	3.6	4.5		-0.4	4.1	5.0	
High Income	96.22	96.80	99.84	100.13	-0.3	3.1	3.8		-0.6	3.5	4.5	
	<u>Sep'18</u>	<u>Aug'18</u>	<u>Sep'19</u>	<u>Aug'19</u>								
<u>Total Population</u>	95.77	95.96							-0.2	3.5	4.7	2.3
Low Income	95.34	95.45							-0.1	3.9	4.9	
High Income	96.02	96.22							-0.2	3.3	4.6	
	<u>Oct'18</u>	<u>Sep'18</u>	<u>Oct'19</u>	<u>Sep'19</u>								
<u>Total Population</u>	95.66	95.77							-0.1	3.4	3.9	2.7
Low Income	95.32	95.34							0.0	3.9	4.3	
High Income	95.87	96.02							-0.2	3.1	3.8	
	<u>Nov'18</u>	<u>Oct'18</u>	<u>Nov'19</u>	<u>Oct'19</u>								
<u>Total Population</u>	95.97	95.66							0.3	3.7	4.4	3.2
Low Income	95.62	95.32							0.3	4.2	4.7	
High Income	96.17	95.87							0.3	3.5	4.3	
	<u>Dec'18</u>	<u>Nov'18</u>	<u>Dec'19</u>	<u>Nov'19</u>								
<u>Total Population</u>	96.67	95.97							0.7	4.5	4.5	3.6
Low Income	96.29	95.62							0.7	5.0	5.0	
High Income	96.86	96.17							0.7	4.2	4.2	

APPENDIX 5

Prices of crude oil, utilities and gasoline, 2001 - 2019

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
January-19	50.65	34.52	35.72	45.93	12.50	265.65	137.05	188.50	165.10
February-19	54.45	34.52	35.72	45.93	12.50	265.65	137.05	189.40	170.20
March-19	57.84	34.52	35.72	45.93	12.50	265.65	137.05	197.70	177.30
April-19	63.89	34.52	35.72	45.93	12.50	265.65	137.05	197.70	181.10
May-19	60.89	34.52	35.72	45.93	12.50	265.65	137.05	209.50	185.00
June-19	54.66	34.52	35.72	45.93	12.50	265.65	137.05	209.50	183.70
July-19	57.28	34.52	35.72	45.93	12.50	265.65	137.05	208.00	174.20
August-19	55.17	34.52	35.72	45.93	12.50	265.65	137.05	215.10	177.20
September-19									
October-19									
November-19									
December-19									
Average 2019	56.85	34.52	35.72	45.93	12.50	265.65	137.05	201.93	176.73

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