

Consumer Price Index, base period December 2006

June 2019

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

The CPI for June 2019 is 126.47, an increase of 0.7% compared to the index of May 2019 (125.60) and accumulating an increase of 2.8% up to and including June of this year.

The percentage change of the CPI over the last twelve (12) months (June 2018 to June 2019) is 4.8, an increase of 1.4 pts compared to the percentage change for the same period of last year (3.4%).

The period average percentage change of the CPI for the period June 2018 - June 2019 is 4.6%, an increase of 3.8 pts compared to the period average percentage change over the period June 2017 - June 2018 (0.8%).

During this month, nine (9) of the twelve (12) sectors registered increases in prices. The increases that had the greatest influence on the CPI were registered for the "Food and non-alcoholic beverages" (1.2%), "Recreation and culture" (2.0%) and "Transport" (0.7%) sectors, which contributed with an effect of 0.20, 0.16 and 0.12 pts, respectively. The increases in the remaining sectors had an effect of 0.23 pts on the CPI of June 2019.

Aforementioned increases were partially offset mainly by a decrease in the index for the "Household operation" (-0.2%) sector, which contributed with an effect of -0.01 ppt. The decrease in the remaining sector had an insignificant effect on the CPI of June 2019.

The increase in the "Food and non-alcoholic beverages" sector was mainly due to an increase in the category "Food" (1.2%), which contributed to an effect of 0.16 pts. The increase in the "Recreation and culture" sector was mainly caused by an increase of 21.9% in the category "Holidays", which contributed to an effect of 0.15 pts. The increase in the "Transport" sector was due to an increase in the category "Transport services" (9.4%), which contributed to an effect of 0.12 pts.

The decrease in the "Household operation" sector was mainly due to decreases in the categories "Household textiles" (-2.6%) and "Household appliances" (2.1%), which each contributed with an effect of -0.01 ppt.

The consumption basket of the CPI consists of 452 goods and services. Compared to May 2019, 51.3% of these products had an increase in price, causing an effect of 1.05 pts, while 21.0% showed a decrease, contributing to an effect of -0.35 pts and the remaining 27.7% had no change in price. The prices of goods increased by 0.6% and caused an influence of 0.35 pts. The prices of services showed an increase of 0.9% and had an influence of 0.34 pts on the CPI of June 2019.

The CPIC (core inflation) - CPI excluding the effect of energy and food - was 3.8% in June 2019, which is 3.0 pts higher compared to the percentage change for the same period of last year (0.8%). The energy index - which consists of the products: electricity, water, gasoline and diesel - was 2.8%, which is 3.7 pts higher compared to the percentage change for the same period of last year (-0.9%). The food index showed an increase of 11.1%, which is 7.8 pts higher compared to the percentage change for the same period of last year (3.3%).

The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) in June 2019 is Afl. 4,790, while for a single adult household it is Afl. 2,281.

July 30, 2019



CPI (BASE DEC 2006 = 100)

Index	↑	126.47
Monthly	↑	0.7
Year-to-date	↑	2.8
End of period	↑	4.8
Period average	↑	4.6
Goods	↑	0.6
Services	↑	0.9

CPIC

CPIC	↑	3.8
Energy	↑	2.8
Food	↑	11.1

SUBSISTENCE LEVEL in Afl.

1 adult	↑	2,281
2 adults + 2 children	↑	4,790

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

	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19
Index	120.69	122.47	122.16	122.14	122.02	122.62	123.01	122.49	123.16	124.26	125.05	125.60	126.47
<i>Monthly</i>	0.7	1.5	-0.2	-0.02	-0.1	0.5	0.3	-0.4	0.6	0.9	0.6	0.4	0.7
<i>Year-to-date</i>	2.6	4.1	3.9	3.8	3.7	4.2	4.6	-0.4	0.1	1.0	1.7	2.1	2.8
<i>End of period</i>	3.4	5.1	5.0	4.9	4.2	5.1	4.6	3.9	3.7	4.0	4.7	4.8	4.8
<i>Period average</i>	0.8	1.3	1.8	2.3	2.7	3.2	3.6	3.8	4.0	4.1	4.3	4.4	4.6
<i>Goods</i>	0.5	1.6	0.0	0.2	0.3	0.6	-0.8	-0.1	0.4	1.5	0.3	1.0	0.6
<i>Services</i>	1.1	1.3	-0.7	-0.3	-0.7	0.3	2.3	-1.0	0.9	-0.1	1.2	-0.5	0.9
CPIC	0.8	1.1	1.4	1.7	2.0	2.3	2.6	2.8	3.1	3.2	3.4	3.6	3.8
<i>Energy</i>	-0.9	0.3	1.3	2.2	2.9	3.9	4.3	4.2	3.9	3.8	3.5	3.3	2.8
<i>Food</i>	3.3	4.1	4.8	5.4	6.1	6.9	7.9	8.9	9.1	9.7	10.2	10.6	11.1
<i>1 adult</i>	2,131	2,162	2,157	2,157	2,161	2,178	2,189	2,197	2,208	2,242	2,251	2,263	2,281
<i>2 adults + 2 children</i>	4,476	4,539	4,529	4,530	4,539	4,574	4,596	4,614	4,638	4,708	4,728	4,752	4,790

Source: Central Bureau of Statistics Aruba

Table 2 Percentage change by sector

Sector	Weight coefficient	Effect May - Jun	Percentage changes			
			Monthly May - Jun	Year-to-date Dec - Jun	End of period Jun 18 - Jun 19	Period average Jun 18 - Jun 19
CPI	10,000.0	0.70	0.7	2.8	4.8	4.6
01. Food and non-alcoholic beverages	1,125.3	0.20	1.2	8.7	13.5	10.7
02. Alcoholic beverages and tobacco	81.9	0.02	2.0	10.2	14.7	8.8
03. Clothing and footwear	625.9	0.04	0.8	0.2	6.0	4.4
04. Housing	2,553.3	0.09	0.3	0.7	1.5	1.1
05. Household operation	741.3	-0.01	-0.2	0.7	1.9	2.2
06. Health	235.8	0.00	-0.2	0.2	7.0	9.0
07. Transport	1,815.4	0.12	0.7	2.7	1.6	5.0
08. Communications	706.3	0.00	0.0	0.4	11.3	8.5
09. Recreation and culture	891.2	0.16	2.0	2.4	1.7	4.1
10. Education	83.0	0.00	0.0	0.0	0.7	0.7
11. Restaurants and hotels	373.7	0.04	0.9	2.5	6.0	4.2
12. Miscellaneous goods and services	767.0	0.04	0.7	4.9	6.0	3.2

Source: Central Bureau of Statistics Aruba

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

Category	Monthly change	Effect
Food	1.2	0.16
Holidays	21.9	0.15
Transport services	9.4	0.12
Maintenance and repair of the dwelling	1.8	0.07

Source: Central Bureau of Statistics Aruba

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

Category	Monthly change	Effect
Household textiles	-2.6	-0.01
Household appliances	-2.1	-0.01
Audio-visual, photographic and information processing equipment	-1.0	-0.01
Medical products, appliances and equipment	-0.5	-0.01

Source: Central Bureau of Statistics Aruba

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

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In June 2019 the average price per barrel of crude oil (US\$ 54.66) had a decrease of US\$ 6.23 (-10.2%) compared to May 2019 (US\$ 60.89).

The total energy charge per kWh for the usage of electricity up to 500 kWh did not change in June 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 June 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 June 2019, it stayed at Afl. 45.93 cents per kWh. The prices of electricity and water did not change compared to May 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.

The price of gasoline did not change in June 2019. The price of diesel registered a decrease of Afl. 1.30 cents (-0.7%) and had an insignificant effect on the CPI of June 2019.

In June 2019, utilities, gasoline and diesel as a group showed no change compared to May 2019, and had no influence on the CPI, while the remaining 448 goods and services, as a group, experienced an increase of 0.8% in price, causing an effect of 0.70 ppts on the CPI.

Table 6 Effect on the CPI of June 2019 of goods and services which are dependent on crude oil prices

Category	Weight	Monthly change	Effect
Electricity	721.0	0.0	0.00
Gasoline	530.6	0.0	0.00
Water	437.4	0.0	0.00
Diesel	21.8	-0.7	0.00
Total group	1,710.8	0.0	0.00
Remaining goods and services	8,289.2	0.8	0.70
CPI	10,000.0	0.7	0.70

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		Electricity	Water	Gasoline	Diesel	Crude oil	Total energy charge		Electricity	Water	Gasoline	Diesel
		≤500 kWh	501-1000 kWh						≤500 kWh	501-1000 kWh				
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
March	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
April	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
May	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
June	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
July	71.16	34.52	35.72	265.65	137.05	214.80	184.70							
August	68.25	34.52	35.72	265.65	137.05	217.10	184.60							
September	70.15	34.52	35.72	265.65	137.05	215.90	185.00							
October	71.44	34.52	35.72	265.65	137.05	216.40	190.10							
November	57.91	34.52	35.72	265.65	137.05	214.60	194.20							
December	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	57.06	34.52	35.72	265.65	137.05	198.72	177.07

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 June 2019

The “Food & catering services” index showed an increase of 1.2% in June 2019, after an increase of 0.9% in May 2019. The index for “Food at home” showed an increase of 1.2% in June, as ten (10) of the eleven (11) “Food at home” indices increased in June 2019. The “Sugar, jam, honey and other confectionery” index registered the largest increase (2.6%) in June 2019. Furthermore, increases were posted in the indices for “Fruit” (2.5%), “Oils and fats” (2.1%), “Non-alcoholic beverages” (1.8%) and “Food products n.e.c.” (1.8%). The “Potatoes and other tubers” index registered the only decrease (-9.4%).

Over the last twelve (12) months, the “Food & catering services” has increased by 11.9%. The “Food at home” index showed an increase of 13.5%. The “Potatoes and other tubers” index increased by 27.6%, the largest increase among the “Food at home” food groups.

The index for “Food away from home” increased by 0.9% in June 2019 and has increased by 6.0% over the last twelve (12) months.

In June 2019, “Food at home” and “Food away from home” as a group showed an increase in price of 1.2% compared to May 2019, and had an influence of 0.24 pts on the CPI, while the remaining goods and services, as a group, experienced an increase in price of 0.6%, causing an effect of 0.46 pts on the CPI.

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

Category	Weight	Monthly change	Effect
<i>Food at home</i>	1,125.3	1.2	0.20
<i>Food away from home</i>	367.5	0.9	0.04
<i>Total group</i>	1,492.8	1.2	0.24
<i>Remaining goods and services</i>	8,507.2	0.6	0.46
<i>CPI</i>	10,000.0	0.7	0.70

Source: Central Bureau of Statistics Aruba

Table 7 Percentage change for Food & catering services

	Weight coefficient	Indices			Percentage changes			Effect	
		Jun-18	May-19	Jun-19	Monthly Apr - May	Monthly May - Jun	End of period Jun 18 - Jun 19	Monthly May - Jun	End of period Jun 18 - Jun 19
Food & catering services	1,492.8	154.25	170.55	172.55	0.9	1.2	11.9	0.237	2.263
Food at home	1,125.3	158.85	178.15	180.36	0.9	1.2	13.5	0.198	2.006
<i>Bread and cereals</i>	205.2	135.63	147.50	148.23	-0.7	0.5	9.3	0.012	0.214
<i>Meat</i>	229.8	148.39	166.84	168.78	0.9	1.2	13.7	0.035	0.388
<i>Fish and other seafood</i>	56.4	140.54	151.08	151.65	1.8	0.4	7.9	0.003	0.052
<i>Milk, cheese and eggs</i>	140.0	137.79	149.89	151.61	0.1	1.1	10.0	0.019	0.160
<i>Oils and fats</i>	31.6	166.98	189.19	193.19	0.6	2.1	15.7	0.010	0.069
<i>Fruit</i>	72.0	382.40	446.27	457.48	3.4	2.5	19.6	0.064	0.448
<i>Potatoes and other tubers</i>	18.5	130.09	183.18	165.96	4.5	-9.4	27.6	-0.025	0.055
<i>Vegetables</i>	75.7	190.95	226.67	228.83	0.1	1.0	19.8	0.013	0.238
<i>Sugar, jam, honey and other confectionery</i>	49.6	110.38	118.17	121.26	0.5	2.6	9.9	0.012	0.045
<i>Food products n.e.c.</i>	82.7	139.67	152.59	155.31	0.9	1.8	11.2	0.018	0.107
<i>Non-alcoholic beverages</i>	163.9	139.89	154.03	156.85	0.3	1.8	12.1	0.037	0.230
Food away from home	367.5	140.15	147.29	148.62	0.9	0.9	6.0	0.039	0.258
Other goods and services	8,507.2	114.80	117.71	118.39	0.3	0.6	3.1	0.460	2.529
<i>Other goods</i>	5,147.2	111.23	114.29	114.67	1.0	0.3	3.1	0.154	1.465
<i>Other services</i>	3,360.0	120.27	122.95	124.09	-0.7	0.9	3.2	0.306	1.064
CPI	10,000.0	120.69	125.60	126.47	0.4	0.7	4.8	0.697	4.793

Source: Central Bureau of Statistics Aruba

The subsistence level in June 2019

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 0-14 years)

Sector	Jun-18	Jun-19	Absolute Change
Food and non-alcoholic beverages	1,703	1,933	230
Clothing and footwear	247	262	15
Housing	1,367	1,387	20
Household operation	130	133	3
Health	72	77	5
Transport	263	267	4
Communications	129	144	15
Recreation and culture	190	193	3
Education	70	70	0
Miscellaneous goods and services	306	324	18
Total	4,476	4,790	314

Source: Central Bureau of Statistics Aruba

In June 2019 the monthly subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) (Afl. 4,790) showed an increase of Afl. 314 compared to June 2018 (Afl. 4,476) and was mainly caused by an increase of Afl. 230 in the sector "Food and non-alcoholic beverages".

Table 10: Monthly Subsistence level in Aruba (in Afl.) by family size and composition, June 2019 (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
Jun-18	2,131	2,771	3,197	3,836	4,476
Jul-18	2,162	2,810	3,242	3,891	4,539
Aug-18	2,157	2,804	3,235	3,882	4,529
Sep-18	2,157	2,804	3,235	3,882	4,530
Oct-18	2,161	2,810	3,242	3,890	4,539
Nov-18	2,178	2,832	3,267	3,921	4,574
Dec-18	2,189	2,845	3,283	3,940	4,596
Jan-19	2,197	2,856	3,295	3,955	4,614
Feb-19	2,208	2,871	3,313	3,975	4,638
Mar-19	2,242	2,915	3,363	4,036	4,708
Apr-19	2,251	2,927	3,377	4,052	4,728
May-19	2,263	2,942	3,394	4,073	4,752
Jun-19	2,281	2,965	3,421	4,106	4,790

Source: Central Bureau of Statistics Aruba

In June 2019, the monthly subsistence level for a single adult household is Afl 2,281, which represents an income deficit of Afl. 519, an increase of Afl. 99 compared to the deficit observed one year ago (Afl. 420). This deficit is the highest registered over a period of five (5) years for the month June.

Table 11: Monthly income surplus/deficit (in Afl.) for a single adult household for June, 2015 - 2019

Period	1 adult	Minimum wage	Surplus/deficit
2015	2,075	1,637	-438
2016	2,069	1,678	-391
2017	2,056	1,678	-378
2018	2,131	1,711	-420
2019	2,281	1,762	-519

Source: Central Bureau of Statistics Aruba

APPENDIX 1

Monthly & Yearly Changes (%) in the Consumer Price Index for June 2019, Total Population (Dec 2006 = 100)

DESCRIPTION	WEIGHT coefficient	2018	2018	2019	2019	Monthly May - Jun	Ytd Dec - Jun	End of period Jun 18 - Jun 19	Period average Jun 18 - Jun 19
		2018 Jun	2018 Dec	2019 May	2019 Jun				
Food and non-alcoholic beverages	1,125.3	158.85	165.96	178.15	180.36	1.2	8.7	13.5	10.7
Food	961.4	162.08	169.02	182.26	184.37	1.2	9.1	13.7	11.1
Non-alcoholic beverages	163.9	139.89	147.99	154.03	156.85	1.8	6.0	12.1	8.0
Alcoholic beverages and tobacco	81.9	153.26	159.60	172.37	175.84	2.0	10.2	14.7	8.8
Alcoholic beverages for consumption at home	59.3	126.24	131.47	145.93	148.62	1.8	13.0	17.7	9.6
Tobacco	22.6	224.12	233.36	241.69	247.19	2.3	5.9	10.3	7.5
Clothing and footwear	625.9	90.74	96.00	95.48	96.22	0.8	0.2	6.0	4.4
Clothing	550.4	92.61	98.24	98.07	98.91	0.9	0.7	6.8	4.6
Footwear	75.5	77.10	79.68	76.59	76.61	0.0	-3.8	-0.6	2.0
Housing	2,553.3	130.60	131.53	132.07	132.51	0.3	0.7	1.5	1.1
Actual rentals for housing	854.2	156.47	157.83	158.97	159.20	0.1	0.9	1.7	1.7
Maintenance and repair of the dwelling	444.6	109.41	111.76	112.72	114.76	1.8	2.7	4.9	1.9
Water supply and miscellaneous services relating to the dwelling	505.7	119.95	120.06	120.06	120.06	0.0	0.0	0.1	0.1
Electricity, gas and other fuels	748.8	120.85	121.00	121.00	121.00	0.0	0.0	0.1	0.3
Household operation	741.3	95.88	96.99	97.88	97.70	-0.2	0.7	1.9	2.2
Furniture, furnishings, carpets and other floor coverings	142.1	55.59	54.30	55.80	55.49	-0.6	2.2	-0.2	-1.2
Household textiles	69.5	91.16	90.79	87.46	85.18	-2.6	-6.2	-6.6	3.3
Household appliances	111.3	64.07	62.41	61.35	60.08	-2.1	-3.7	-6.2	0.0
Glassware, tableware and household utensils	31.8	66.24	69.20	73.79	73.79	0.0	6.6	11.4	7.3
Tools and equipment for house and garden	40.0	70.15	75.76	72.48	72.90	0.6	-3.8	3.9	6.1
Goods and services for routine household maintenance and cleaning	346.6	129.25	131.85	134.11	134.66	0.4	2.1	4.2	2.6
Health	235.8	99.11	105.91	106.35	106.09	-0.2	0.2	7.0	9.0
Medical products, appliances and equipment	140.3	107.41	113.14	113.46	112.87	-0.5	-0.2	5.1	8.3
Out-patient services	57.2	82.85	96.42	96.42	96.42	0.0	0.0	16.4	16.4
Other health products and services	38.3	93.04	93.60	95.14	95.74	0.6	2.3	2.9	2.4
Transport	1,815.4	121.73	120.40	122.83	123.67	0.7	2.7	1.6	5.0
Purchase of vehicles	811.4	112.69	114.01	114.29	114.29	0.0	0.2	1.4	3.3
Operation of personal transport equipment	840.1	133.29	130.89	135.46	135.46	0.0	3.5	1.6	7.3
Transport services	163.8	107.21	98.29	100.35	109.74	9.4	11.7	2.4	-0.7
Communications	706.3	91.27	101.17	101.51	101.55	0.0	0.4	11.3	8.5
Postal services	6.1	118.02	126.22	126.22	126.22	0.0	0.0	6.9	6.9
Telephone and telefax equipment	29.6	40.69	25.16	33.23	34.13	2.7	35.7	-16.1	-19.0
Telephone and telefax services	670.6	93.25	104.29	104.29	104.29	0.0	0.0	11.8	9.0
Recreation and culture	891.2	115.96	115.15	115.61	117.88	2.0	2.4	1.7	4.1
Audio-visual, photographic and information processing equipment	123.8	104.63	90.14	92.72	91.84	-1.0	1.9	-12.2	-0.8
Other major durables for recreation and culture	19.2	46.70	42.30	42.57	42.61	0.1	0.7	-8.8	-0.5
Other recreational items and equipment; gardens and pets	260.1	132.27	136.24	138.93	139.81	0.6	2.6	5.7	1.6
Recreational and cultural services	335.0	110.23	112.58	112.58	112.58	0.0	0.0	2.1	5.7
Newspapers, books and stationery	82.1	84.65	98.56	99.77	99.77	0.0	1.2	17.9	13.1
Holidays	71.0	158.04	132.50	122.51	149.32	21.9	12.7	-5.5	7.2
Education	83.0	129.16	130.08	130.08	130.08	0.0	0.0	0.7	0.7
Pre primary and primary education	30.4	109.07	109.07	109.07	109.07	0.0	0.0	0.0	0.0
Secondary education	25.2	119.45	121.90	121.90	121.90	0.0	0.0	2.0	2.0
Post-secondary non-tertiary education	4.6	129.44	129.44	129.44	129.44	0.0	0.0	0.0	0.0
Tertiary education	10.4	201.98	201.98	201.98	201.98	0.0	0.0	0.0	0.0
Education not definable by level	12.4	136.91	138.11	138.11	138.11	0.0	0.0	0.9	0.9
Restaurants and hotels	373.7	139.47	144.15	146.50	147.81	0.9	2.5	6.0	4.2
Catering services	367.5	140.15	144.90	147.29	148.62	0.9	2.6	6.0	4.3
Accommodation services	6.2	99.16	99.76	100.06	100.23	0.2	0.5	1.1	0.8
Miscellaneous goods and services	767.0	103.36	104.52	108.89	109.60	0.7	4.9	6.0	3.2
Personal care	262.0	118.08	120.37	124.05	125.26	1.0	4.1	6.1	2.8
Personal effects n.e.c.	67.3	116.95	117.89	144.64	145.34	0.5	23.3	24.3	15.4
Social protection	28.7	145.84	145.84	145.84	145.84	0.0	0.0	0.0	0.0
Insurance	289.1	85.46	85.46	85.46	85.46	0.0	0.0	0.0	0.0
Financial services n.e.c.	26.9	96.52	98.47	103.35	104.86	1.5	6.5	8.6	4.2
Other services n.e.c.	93.0	96.52	98.47	103.35	104.86	1.5	6.5	8.6	4.2
CPI	10,000	120.69	123.01	125.60	126.47	0.7	2.8	4.8	4.6

Source: Central Bureau of Statistics Aruba

APPENDIX 2

Effect on the Consumer Price Index per sector and category for June 2019 (Dec 2006 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly May - Jun	Ytd Dec - Jun	End of period Jun 18 - Jun 19	Period average Jun 18 - Jun 19
Food and non-alcoholic beverages	1,125.3	0.20	1.32	2.01	1.56
Food	961.4	0.16	1.20	1.78	1.40
Non-alcoholic beverages	163.9	0.04	0.12	0.23	0.15
Alcoholic beverages and tobacco	81.9	0.02	0.11	0.15	0.09
Alcoholic beverages for consumption at home	59.3	0.01	0.08	0.11	0.06
Tobacco	22.6	0.01	0.03	0.04	0.03
Clothing and footwear	625.9	0.04	0.01	0.28	0.21
Clothing	550.4	0.04	0.03	0.29	0.20
Footwear	75.5	0.00	-0.02	0.00	0.01
Housing	2,553.3	0.09	0.20	0.40	0.30
Actual rentals for housing	854.2	0.02	0.09	0.19	0.20
Maintenance and repair of the dwelling	444.6	0.07	0.11	0.20	0.08
Water supply and miscellaneous services relating to the dwelling	505.7	0.00	0.00	0.00	0.00
Electricity, gas and other fuels	748.8	0.00	0.00	0.01	0.02
Household operation	741.3	-0.01	0.04	0.11	0.13
Furniture, furnishings, carpets and other floor coverings	142.1	0.00	0.01	0.00	-0.01
Household textiles	69.5	-0.01	-0.03	-0.03	0.02
Household appliances	111.3	-0.01	-0.02	-0.04	0.00
Glassware, tableware and household utensils	31.8	0.00	0.01	0.02	0.01
Tools and equipment for house and garden	40.0	0.00	-0.01	0.01	0.01
Goods and services for routine household maintenance and cleaning	346.6	0.02	0.08	0.16	0.10
Health	235.8	0.00	0.00	0.14	0.18
Medical products, appliances and equipment	140.3	-0.01	0.00	0.06	0.10
Out-patient services	57.2	0.00	0.00	0.06	0.07
Other health products and services	38.3	0.00	0.01	0.01	0.01
Transport	1,815.4	0.12	0.48	0.29	0.89
Purchase of vehicles	811.4	0.00	0.02	0.11	0.25
Operation of personal transport equipment	840.1	0.00	0.31	0.15	0.65
Transport services	163.8	0.12	0.15	0.03	-0.01
Communications	706.3	0.00	0.02	0.60	0.46
Postal services	6.1	0.00	0.00	0.00	0.00
Telephone and telefax equipment	29.6	0.00	0.02	-0.02	-0.02
Telephone and telefax services	670.6	0.00	0.00	0.61	0.47
Recreation and culture	891.2	0.16	0.20	0.14	0.34
Audio-visual, photographic and information processing equipment	123.8	-0.01	0.02	-0.13	-0.01
Other major durables for recreation and culture	19.2	0.00	0.00	-0.01	0.00
Other recreational items and equipment; gardens and pets	260.1	0.02	0.08	0.16	0.05
Recreational and cultural services	335.0	0.00	0.00	0.07	0.17
Newspapers, books and stationery	82.1	0.00	0.01	0.10	0.08
Holidays	71.0	0.15	0.10	-0.05	0.05
Education	83.0	0.00	0.00	0.01	0.01
Pre primary and primary education	30.4	0.00	0.00	0.00	0.00
Secondary education	25.2	0.00	0.00	0.01	0.01
Post-secondary non-tertiary education	4.6	0.00	0.00	0.00	0.00
Tertiary education	10.4	0.00	0.00	0.00	0.00
Education not definable by level	12.4	0.00	0.00	0.00	0.00
Restaurants and hotels	373.7	0.04	0.11	0.26	0.19
Catering services	367.5	0.04	0.11	0.26	0.19
Accommodation services	6.2	0.00	0.00	0.00	0.00
Miscellaneous goods and services	767.0	0.04	0.32	0.40	0.21
Personal care	262.0	0.03	0.10	0.16	0.07
Personal effects n.e.c.	67.3	0.00	0.15	0.16	0.10
Social protection	28.7	0.00	0.00	0.00	0.00
Insurance	289.1	0.00	0.00	0.00	0.00
Financial services n.e.c.	26.9	0.00	0.01	0.02	0.01
Other services n.e.c.	93.0	0.01	0.05	0.06	0.03
CPI	10,000	0.70	2.82	4.79	4.56

Source: Central Bureau of Statistics Aruba

APPENDIX 3
Monthly & Yearly Changes (%) and effect in the Food & catering services for June 2019, Total Population (Dec 2006 = 100)

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly May - Jun	End of period Jun 18 - Jun 19	Monthly May - Jun	End of period Jun 18 - Jun 19
Food & catering services	1,492.8	1.2	11.9	0.237	2.263
Food at home	1,125.3	1.2	13.5	0.198	2.006
Bread and cereals	205.2	0.5	9.3	0.012	0.214
Rice	18.8	0.6	14.5	0.001	0.034
Bread	98.1	0.0	10.3	0.000	0.118
Pasta products	7.6	1.7	10.6	0.001	0.008
Other cereals and cereal products	80.7	1.1	6.4	0.009	0.054
Meat	229.8	1.2	13.7	0.035	0.388
Bovine	44.7	0.1	7.0	0.000	0.037
Swine	28.1	0.3	10.3	0.001	0.032
Poultry	59.5	0.4	19.6	0.004	0.159
Other meat and meat preparations	97.5	2.4	13.6	0.030	0.160
Fish and other seafood	56.4	0.4	7.9	0.003	0.052
Fish and seafood preparations	56.4	0.4	7.9	0.003	0.052
Milk, cheese and eggs	140.0	1.1	10.0	0.019	0.160
Milk	58.8	1.2	7.6	0.009	0.061
Cheese	46.9	1.0	10.6	0.006	0.054
Eggs	14.3	0.5	22.4	0.001	0.026
Other milk products	19.9	1.9	11.1	0.003	0.019
Oils and fats	31.6	2.1	15.7	0.010	0.069
Butter and margarine	9.9	3.6	15.4	0.006	0.024
Corn oil	9.4	1.0	15.8	0.001	0.021
Other oils and fats	12.3	1.6	15.9	0.003	0.023
Fruit	72.0	2.5	19.6	0.064	0.448
Oranges, lemons and mandarins	11.1	-7.5	-16.7	-0.011	-0.028
Bananas and plantains	13.8	5.6	10.8	0.017	0.033
Apples and pears	11.2	-1.1	10.1	-0.002	0.019
Grapes	6.0	19.7	32.1	0.026	0.041
Melons and watermelons	6.7	4.0	26.5	0.024	0.137
Nuts	6.9	2.8	10.0	0.002	0.006
Other fruits and fruit products	16.4	0.7	26.2	0.008	0.239
Potatoes and other tubers	18.5	-9.4	27.6	-0.025	0.055
Potatoes	11.2	-14.1	29.8	-0.029	0.043
Sweet potatoes and yucca	2.5	4.1	39.7	0.001	0.006
Other tubers	4.8	8.2	14.2	0.003	0.006
Vegetables	75.7	1.0	19.8	0.013	0.238
Lettuce	6.7	-8.9	29.6	-0.005	0.012
Celery and broccoli	6.3	6.6	33.2	0.013	0.054
Tomatoes & peppers	15.5	-0.8	9.3	-0.002	0.019
Onions	7.8	-2.1	26.4	-0.007	0.071
Frozen vegetable mixtures	6.7	3.5	23.8	0.003	0.018
Other vegetables	12.7	4.5	19.7	0.007	0.028
Other preserved or processed vegetables	20.0	1.3	11.8	0.004	0.035
Sugar, jam, honey and other confectionery	49.6	2.6	9.9	0.012	0.045
Sugar	14.4	2.6	15.8	0.004	0.020
Jams and jellies	2.8	0.1	10.0	0.000	0.003
Other confectionery products	32.4	2.9	7.4	0.009	0.022
Food products n.e.c.	82.7	1.8	11.2	0.018	0.107
Other food products	82.7	1.8	11.2	0.018	0.107
Non-alcoholic beverages	163.9	1.8	12.1	0.037	0.230
Coffee and tea	30.1	0.6	14.3	0.002	0.040
Soft and sports drinks	49.7	2.1	9.3	0.012	0.053
Fruit juices	61.0	1.9	12.9	0.016	0.101
Other non-alcoholic beverages	23.1	2.3	13.5	0.007	0.037
Food away from home	367.5	0.9	6.0	0.039	0.258
Food and beverage consumption away from home	367.5	0.9	6.0	0.039	0.258
Other goods and services	8,507.2	0.6	3.1	0.460	2.529
Other goods	5,147.2	0.3	3.1	0.154	1.465
Other services	3,360.0	0.9	3.2	0.306	1.064
CPI	10,000	0.7	4.8	0.697	4.793

Source: Central Bureau of Statistics Aruba

APPENDIX 4

CONSUMER PRICE INDEX

	Base				JAAR: 2019				JAAR: 2018			
	Dec-06	Dec-06	Dec-06	Dec-06	Monthly	Year-to date	Yearly	Period average	Monthly	Year-to date	Yearly	Period average
	=100.0	=100.0	=100.0	=100.0								
	<u>Jan.'18</u>	<u>Dec.'17</u>	<u>Jan.'19</u>	<u>Dec.'18</u>								
<u>Total Population</u>	117.89	117.63	122.49	123.01	-0.4	-0.4	3.9	3.8	0.2	0.2	1.1	-0.4
Low Income	121.83	121.38	127.38	127.60	-0.2	-0.2	4.6		0.4	0.4	1.0	
High Income	115.93	115.77	120.06	120.74	-0.6	-0.6	3.6		0.1	0.1	1.1	
	<u>Feb.'18</u>	<u>Jan.'18</u>	<u>Feb.'19</u>	<u>Jan.'19</u>								
<u>Total Population</u>	118.79	117.89	123.16	122.49	0.6	0.1	3.7	4.0	0.8	1.0	1.9	-0.2
Low Income	122.99	121.83	128.10	127.38	0.6	0.4	4.2		0.9	1.3	2.0	
High Income	116.71	115.93	120.72	120.06	0.5	0.0	3.4		0.7	0.8	1.8	
	<u>Mar.'18</u>	<u>Feb.'18</u>	<u>Mar.'19</u>	<u>Feb.'19</u>								
<u>Total Population</u>	119.44	118.79	124.26	123.16	0.9	1.0	4.0	4.1	0.5	1.5	2.6	0.0
Low Income	123.57	122.99	129.54	128.10	1.1	1.5	4.8		0.5	1.8	2.6	
High Income	117.39	116.71	121.64	120.72	0.8	0.7	3.6		0.6	1.4	2.5	
	<u>Apr.'18</u>	<u>Mar.'18</u>	<u>Apr.'19</u>	<u>Mar.'19</u>								
<u>Total Population</u>	119.48	119.44	125.05	124.26	0.6	1.7	4.7	4.3	0.0	1.6	2.6	0.3
Low Income	123.81	123.57	130.25	129.54	0.5	2.1	5.2		0.2	2.0	2.8	
High Income	117.34	117.39	122.47	121.64	0.7	1.4	4.4		0.0	1.4	2.5	
	<u>May'18</u>	<u>Apr.'18</u>	<u>May'19</u>	<u>Apr.'19</u>								
<u>Total Population</u>	119.85	119.48	125.60	125.05	0.4	2.1	4.8	4.4	0.3	1.9	2.5	0.5
Low Income	124.18	123.81	130.80	130.25	0.4	2.5	5.3		0.3	2.3	2.8	
High Income	117.70	117.34	123.03	122.47	0.4	1.9	4.5		0.3	1.7	2.4	
	<u>Jun'18</u>	<u>May'18</u>	<u>Jun'19</u>	<u>May'19</u>								
<u>Total Population</u>	120.69	119.85	126.47	125.60	0.7	2.8	4.8	4.6	0.7	2.6	3.4	0.8
Low Income	124.72	124.18	131.53	130.80	0.6	3.1	5.5		0.4	2.8	3.5	
High Income	118.69	117.70	123.97	123.03	0.8	2.7	4.4		0.8	2.5	3.4	
	<u>Jul'18</u>	<u>Jun'18</u>	<u>Jul'19</u>	<u>Jun'19</u>								
<u>Total Population</u>	122.47	120.69							1.5	4.1	5.1	1.3
Low Income	126.44	124.72							1.4	4.2	5.0	
High Income	120.50	118.69							1.5	4.1	5.1	
	<u>Aug.'18</u>	<u>Jul'18</u>	<u>Aug.'19</u>	<u>Jul'19</u>								
<u>Total Population</u>	122.16	122.47							-0.2	3.9	5.0	1.8
Low Income	126.44	126.44							0.0	4.2	5.1	
High Income	120.05	120.50							-0.4	3.7	5.0	
	<u>Sep.'18</u>	<u>Aug.'18</u>	<u>Sep.'19</u>	<u>Aug.'19</u>								
<u>Total Population</u>	122.14	122.16							-0.02	3.8	4.9	2.3
Low Income	126.40	126.44							-0.03	4.1	5.0	
High Income	120.03	120.05							-0.02	3.7	4.8	
	<u>Okt.'18</u>	<u>Sep.'18</u>	<u>Okt.'19</u>	<u>Sep.'19</u>								
<u>Total Population</u>	122.02	122.14							-0.1	3.7	4.2	2.7
Low Income	126.55	126.40							0.1	4.3	4.5	
High Income	119.78	120.03							-0.2	3.5	4.0	
	<u>Nov.'18</u>	<u>Okt.'18</u>	<u>Nov.'19</u>	<u>Okt.'19</u>								
<u>Total Population</u>	122.62	122.02							0.5	4.2	5.1	3.2
Low Income	127.17	126.55							0.5	4.8	5.3	
High Income	120.37	119.78							0.5	4.0	5.0	
	<u>Dec.'18</u>	<u>Nov.'18</u>	<u>Dec.'19</u>	<u>Nov.'19</u>								
<u>Total Population</u>	123.01	122.62							0.3	4.6	4.6	3.6
Low Income	127.60	127.17							0.3	5.1	5.1	
High Income	120.74	120.37							0.3	4.3	4.3	

APPENDIX 5

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

Month	Crude oil ¹	Electricity components					Water ⁵	Gasoline ⁶	Diesel ⁶
		Total energy charge ²			Fixed charge ³	Electricity ⁴			
		≤ 500 kWh	501 - 1000 kWh	> 1001 kWh					
Average 2001	26.01	24.59	22.09	22.09	0.00	172.79	89.40	128.34	90.10
Average 2002	26.06	24.89	22.39	22.39	0.00	174.91	90.82	127.20	88.68
Average 2003	34.49	27.02	24.52	24.52	0.00	190.38	99.21	139.21	100.18
Average 2004	41.31	27.18	24.68	24.68	0.00	191.57	100.02	152.51	113.05
Average 2005	56.36	31.10	28.60	28.60	0.00	219.97	113.69	167.74	136.04
Average 2006	66.12	35.91	33.41	33.41	0.00	254.88	128.70	176.22	149.77
Average 2007	72.08	36.59	34.09	34.09	0.00	259.84	133.59	200.43	168.38
Average 2008	99.87	45.67	43.17	43.17	0.00	325.67	161.80	228.19	214.48
Average 2009	61.46	37.33	34.83	34.83	0.00	265.17	139.60	175.15	142.53
Average 2010	79.22	43.92	41.42	41.42	0.00	312.98	159.21	193.43	163.22
Average 2011	94.74	47.58	47.57	47.57	0.00	345.14	177.47	229.48	203.46
Average 2012	94.25	47.68	51.21	53.46	0.00	353.85	171.13	235.53	210.07
Average 2013	98.00	41.10	44.90	58.40	0.00	306.75	137.05	229.48	205.83
Average 2014	93.49	42.58	45.32	57.77	0.63	315.71	137.05	224.24	200.21
Average 2015	48.71	47.02	46.56	55.87	2.50	342.59	137.05	179.74	147.80
Average 2016	43.17	40.40	41.80	47.64	12.50	308.76	137.05	165.87	131.12
Average 2017	50.85	34.52	35.72	45.93	12.50	265.65	137.05	180.79	147.69
Average 2018	65.08	34.52	35.72	45.93	12.50	265.65	137.05	204.95	177.59
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									
August-19									
September-19									
October-19									
November-19									
December-19									
Average 2019	57.06	34.52	35.72	45.93	12.50	265.65	137.05	198.72	177.07

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