

Consumer Price Index, base period December 2006

September 2018

The Central Bureau of Statistics presents the most important findings for the Consumer Price Index (CPI) for the month of September 2018.

The CPI for September 2018 is 122.14, a slight decrease of 0.02% compared to the index of August 2018 (122.16) and accumulating an increase of 3.8% up to and including September of this year.

The percentage change of the CPI over the last twelve (12) months (September 2017 to September 2018) is 4.9%, an increase of 5.7 ppts compared to the percentage change for the same period of last year (-0.8%).

The period average percentage change of the CPI for the period September 2017 - September 2018 is 2.3%, an increase of 2.7 ppts compared to the period average percentage change over the period September 2016 - September 2017 (-0.4%).

During this month, three (3) of the twelve (12) sectors registered decreases in prices. The decreases that had the greatest influence on the CPI were registered for the "Transport" (-0.8%) and the "Household operation" (-0.4%) sectors, which contributed with an effect of -0.14 and -0.02 ppts, respectively. The decrease in the remaining sector had an insignificant effect on the CPI of September 2018.

Aforementioned decreases were partially offset mainly by increases in the indices for the "Recreation and culture" (0.7%) and "Restaurants and hotels" (0.9%) sectors, causing an effect of 0.06 and 0.04 ppts, respectively. The increases in the remaining sectors had an effect of 0.05 ppts on the CPI of September 2018.

The decrease in the "Transport" sector was mainly due to a decrease in the category "Transport services" (-8.0%), which contributed to an effect of -0.11 ppts. The decrease in the "Household operation" sector was mainly caused by a decrease of 5.7% in the category "Household textiles", which contributed to an effect of -0.03 ppts.

The increase in the "Recreation and culture" sector was mainly due to an increase of 12.8% in the category "Audio-visual, photographic and information processing equipment", which contributed to an effect of 0.12 ppts. The increase in the "Restaurants and hotels" sector was mainly caused by an increase in the category "Catering services" (0.9%), which contributed to an effect of 0.04 ppts.

The consumption basket of the CPI consists of 452 goods and services. Compared to August 2018, 43.1% of these products had an increase in price, causing an effect of 0.48 ppts, while 23.7% showed a decrease, contributing to an effect of -0.51 ppts and the remaining 33.2% had no change in price. The prices of goods increased by 0.2% and caused an influence of 0.10 ppts. The prices of services showed a decrease of 0.3% and had an influence of -0.12 ppts on the CPI of September 2018.

The CPIC (core inflation) - CPI excluding the effect of energy and food - was 1.7% in September 2018, which is 1.3 ppts higher compared to the percentage change for the same period of last year (0.4%). The energy index - which consists of the products: electricity, water, gasoline and diesel - was 2.2%, which is 6.4 ppts higher compared to the percentage change for the same period of last year (-4.2%). The food index showed an increase of 5.4%, which is 4.3 ppts higher compared to the percentage change for the same period of last year (1.1%).

The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) in September 2018 is Afl. 4,530, while for a single adult household it is Afl. 2,157.

October 31, 2018



CPI (BASE DEC 2006 = 100)		
Index	↓	122.14
Monthly	↓	-0.02
Year-to-date	↑	3.8
End of period	↑	4.9
Period average	↑	2.3
Goods	↑	0.2
Services	↓	-0.3

CPIC		
CPIC	↑	1.7
Energy	↑	2.2
Food	↑	5.4

SUBSISTENCE LEVEL <small>in AFL.</small>		
1 adult	-	2,157
2 adults + 2 children	↑	4,530

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-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18
Index	116.45	117.12	116.70	117.63	117.89	118.79	119.44	119.48	119.85	120.69	122.47	122.16	122.14
Monthly	0.1	0.6	-0.4	0.8	0.2	0.8	0.5	0.0	0.3	0.7	1.5	-0.2	-0.02
Year-to-date	-1.3	-0.7	-1.1	-0.3	0.2	1.0	1.5	1.6	1.9	2.6	4.1	3.9	3.8
End of period	-0.8	-0.4	-0.9	-0.3	1.1	1.9	2.6	2.6	2.5	3.4	5.1	5.0	4.9
Period average	-0.4	-0.4	-0.5	-0.5	-0.4	-0.2	0.0	0.3	0.5	0.8	1.3	1.8	2.3
Goods	0.4	0.5	-0.4	0.4	0.6	1.4	0.2	0.3	0.3	0.5	1.6	0.0	0.2
Services	-0.5	0.6	-0.2	1.5	-0.4	-0.3	1.2	-0.3	0.2	1.1	1.3	-0.7	-0.3
CPIC	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.6	0.7	0.8	1.1	1.4	1.7
Energy	-4.2	-4.1	-4.3	-4.2	-3.8	-3.4	-3.1	-2.5	-1.8	-0.9	0.3	1.3	2.2
Food	1.1	1.1	0.9	0.8	0.8	1.3	1.7	2.2	2.7	3.3	4.1	4.8	5.4
1 adult	2,054	2,066	2,062	2,067	2,075	2,106	2,112	2,118	2,122	2,131	2,162	2,157	2,157
2 adults + 2 children	4,313	4,339	4,330	4,340	4,357	4,422	4,435	4,447	4,457	4,476	4,539	4,529	4,530

Source: Central Bureau of Statistics Aruba

Table 2 Percentage change by sector

Sector	Weight coefficient	Effect Aug-Sep	Percentage changes			
			Monthly Aug-Sep	Year-to-date Dec-Sep	End of period Sep 17-Sep 18	Period average Sep 17-Sep 18
CPI	10,000.0	-0.02	-0.02	3.8	4.9	2.3
01. Food and non-alcoholic beverages	1,125.3	0.00	-0.02	7.9	8.9	5.1
02. Alcoholic beverages and tobacco	81.9	0.01	0.5	6.4	6.4	2.9
03. Clothing and footwear	625.9	0.02	0.4	3.1	2.1	-0.2
04. Housing	2,553.3	0.01	0.04	0.8	0.8	-0.3
05. Household operation	741.3	-0.02	-0.4	1.9	2.8	0.0
06. Health	235.8	0.01	0.4	10.4	11.1	4.1
07. Transport	1,815.4	-0.14	-0.8	5.7	9.3	6.2
08. Communications	706.3	0.00	0.0	3.8	3.8	1.5
09. Recreation and culture	891.2	0.06	0.7	4.8	7.9	2.8
10. Education	83.0	0.00	0.0	0.7	0.7	3.1
11. Restaurants and hotels	373.7	0.04	0.86	3.8	4.5	2.3
12. Miscellaneous goods and services	767.0	0.01	0.16	2.2	2.0	0.3

Source: Central Bureau of Statistics Aruba

Table 3 Categories with the greatest positive effect on the CPI of September 2018

Category	Monthly change	Effect
Audio-visual, photographic and information processing equipment	12.8	0.12
Catering services	0.9	0.04
Actual rentals for housing	0.1	0.02

Source: Central Bureau of Statistics Aruba

Table 4 Categories with the greatest negative effect on the CPI of September 2018

Category	Monthly change	Effect
Transport services	-8.0	-0.11
Holidays	-9.3	-0.07
Operation of personal transport equipment	-0.3	-0.03
Household textiles	-5.7	-0.03

Source: Central Bureau of Statistics Aruba

Change in prices of crude oil, utilities, gasoline and diesel in September 2018

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In September 2018 the average price per barrel of crude oil (US\$ 70.15) had an increase of US\$ 1.90 (2.8%) compared to August 2018 (US\$ 68.25).

The total energy charge per kWh for the usage of electricity up to 500 kWh did not change in September 2018, 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 September 2018, 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 September 2018, it stayed at Afl. 45.93 cents per kWh. The prices of electricity and water did not change compared to August 2018. 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 September 2018 the price of gasoline decreased by Afl. 1.20 cents (-0.6%) causing an effect of -0.03 ppts on the CPI. The price of diesel registered an increase of Afl. 0.40 cents (0.2%) and had an insignificant effect on the CPI of September 2018.

In September 2018, utilities, gasoline and diesel as a group showed a decrease in price of 0.2% compared to August 2018, and had an influence of -0.03 ppts on the CPI, while the remaining 448 goods and services, as a group, experienced an increase of 0.01% in price, causing an effect of 0.01 ppt on the CPI.

Table 6 Effect on the CPI of September 2018 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	-0.6	-0.03
Water	437.4	0.0	0.00
Diesel	21.8	0.2	0.00
Total group	1,710.8	-0.2	-0.03
Remaining goods and services	8,289.2	0.01	0.01
CPI	10,000.0	-0.02	-0.02

Source: Central Bureau of Statistics Aruba

Table 5 Prices of crude oil, utilities, gasoline and diesel, 2017 - 2018

Month	2017							2018						
	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	52.49	34.52	35.72	265.65	137.05	179.40	148.40	63.38	34.52	35.72	265.65	137.05	186.80	161.90
March	53.37	34.52	35.72	265.65	137.05	180.40	147.20	62.59	34.52	35.72	265.65	137.05	194.30	168.30
March	49.70	34.52	35.72	265.65	137.05	178.80	148.30	62.82	34.52	35.72	265.65	137.05	193.20	165.00
April	51.17	34.52	35.72	265.65	137.05	176.80	142.80	66.14	34.52	35.72	265.65	137.05	195.50	164.60
May	48.43	34.52	35.72	265.65	137.05	182.00	145.90	70.31	34.52	35.72	265.65	137.05	202.50	172.00
June	45.61	34.52	35.72	265.65	137.05	177.30	141.50	67.77	34.52	35.72	265.65	137.05	208.90	179.70
July	46.29	34.52	35.72	265.65	137.05	173.20	136.60	71.16	34.52	35.72	265.65	137.05	214.80	184.70
August	48.45	34.52	35.72	265.65	137.05	177.60	141.60	68.25	34.52	35.72	265.65	137.05	217.10	184.60
September	49.24	34.52	35.72	265.65	137.05	183.00	147.60	70.15	34.52	35.72	265.65	137.05	215.90	185.00
October	51.31	34.52	35.72	265.65	137.05	188.50	156.60							
November	56.23	34.52	35.72	265.65	137.05	183.60	155.50							
December	57.93	34.52	35.72	265.65	137.05	188.90	160.30							
Yearly Average	50.85	34.52	35.72	265.65	137.05	180.79	147.69	66.95	34.52	35.72	265.65	137.05	203.22	173.98

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 September 2018

The “Food & catering services” index showed an increase of 0.2% in September 2018, after a decrease of 0.2% in August 2018. The index for “Food at home” showed a slight decrease of 0.02% in September, as three (3) of the eleven (11) “Food at home” indices decreased in September 2018. The “Fruit” index registered the largest decrease (-3.8%) in September 2018. Furthermore, decreases were posted in the indices for “Vegetables” (-2.4%) and “Fish and other seafood” (-1.0%). Furthermore, increases of 2.6% and 1.7% were posted in the indices for “Potatoes and other tubers” and “Meat”.

Over the last twelve (12) months, the “Food & catering services” has increased by 7.9%. The “Food at home” index showed an increase of 8.9%. The “Fruit” index increased by 19.4%, the largest increase among the “Food at home” food groups.

The index for “Food away from home” increased by 0.9% in September 2018 and has increased by 4.6% over the last twelve (12) months.

In September 2018, “Food at home” and “Food away from home” as a group showed an increase in price of 0.2% compared to August 2018, and had an influence of 0.04 ppts on the CPI, while the remaining goods and services, as a group, experienced a decrease in price of 0.1%, causing an effect of -0.06 ppts on the CPI.

Table 8 Effect on the CPI of September 2018 of Food at home and Food away from home

Category	Weight	Monthly change	Effect
<i>Food at home</i>	1,125.3	-0.02	0.00
<i>Food away from home</i>	367.5	0.9	0.04
<i>Total group</i>	1,492.8	0.2	0.04
<i>Remaining goods and services</i>	8,507.2	-0.1	-0.06
<i>CPI</i>	10,000.0	-0.02	-0.02

Source: Central Bureau of Statistics Aruba

Table 7 Percentage change for Food & catering services

	Indices	Weight coefficient	Indices			Percentage changes			Effect	
			Sep-17	Aug-18	Sep-18	Monthly Jul - Aug	Monthly Aug - Sep	End of period Sep 17 - Sep 18	Monthly Aug - Sep	End of period Sep 17 - Sep 18
Food & catering services		1,492.8	145.94	157.14	157.43	-0.2	0.2	7.9	0.035	1.472
Food at home		1,125.3	148.21	161.40	161.37	-0.5	-0.02	8.9	-0.002	1.272
<i>Bread and cereals</i>		205.2	134.10	141.72	143.02	1.5	0.9	6.7	0.022	0.157
<i>Meat</i>		229.8	145.20	154.31	156.88	0.8	1.7	8.0	0.048	0.230
<i>Fish and other seafood</i>		56.4	133.07	142.13	140.68	-1.1	-1.0	5.7	-0.007	0.037
<i>Milk, cheese and eggs</i>		140.0	128.93	141.68	142.99	0.2	0.9	10.9	0.015	0.169
<i>Oils and fats</i>		31.6	160.15	174.47	176.26	0.3	1.0	10.1	0.005	0.044
<i>Fruit</i>		72.0	275.86	342.12	329.27	-8.0	-3.8	19.4	-0.076	0.330
<i>Potatoes and other tubers</i>		18.5	127.48	146.20	150.06	13.7	2.6	17.7	0.006	0.036
<i>Vegetables</i>		75.7	182.11	195.64	190.90	0.0	-2.4	4.8	-0.029	0.057
<i>Sugar, jam, honey and other confectionery</i>		49.6	109.31	114.37	114.79	0.6	0.4	5.0	0.002	0.023
<i>Food products n.e.c.</i>		82.7	137.55	143.88	145.24	0.6	0.9	5.6	0.009	0.055
<i>Non-alcoholic beverages</i>		163.9	137.24	146.52	146.72	0.7	0.1	6.9	0.003	0.133
Food away from home		367.5	139.00	144.11	145.36	0.7	0.9	4.6	0.038	0.201

Source: Central Bureau of Statistics Aruba

The subsistence level in September 2018

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	Absolute		
	Sep-17	Sep-18	Change
Food and non-alcoholic beverages	1,589	1,730	141
Clothing and footwear	247	252	5
Housing	1,361	1,372	11
Household operation	130	133	3
Health	69	77	8
Transport	242	264	22
Communications	127	132	5
Recreation and culture	175	188	13
Education	70	70	0
Miscellaneous goods and services	304	310	6
Total	4,313	4,530	217

Source: Central Bureau of Statistics Aruba

In September 2018 the monthly subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) (Afl. 4,530) showed an increase of Afl. 217 compared to September 2017 (Afl. 4,313) and was mainly caused by an increase of Afl. 141 in the sector "Food and non-alcoholic beverages".

Table 10: Monthly Subsistence level in Aruba (in Afl.) by family size and composition, September 2018 (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-17	2,054	2,670	3,080	3,696	4,313
Oct-17	2,066	2,686	3,100	3,719	4,339
Nov-17	2,062	2,680	3,093	3,711	4,330
Dec-17	2,067	2,687	3,100	3,720	4,340
Jan-18	2,075	2,697	3,112	3,735	4,357
Feb-18	2,106	2,737	3,159	3,790	4,422
Mar-18	2,112	2,746	3,168	3,802	4,435
Apr-18	2,118	2,753	3,177	3,812	4,447
May-18	2,122	2,759	3,183	3,820	4,457
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

Source: Central Bureau of Statistics Aruba

In September 2018, the monthly subsistence level for a single adult household is Afl 2,157, which represents an income deficit of Afl. 446, an increase of Afl. 103 compared to the deficit observed one year ago (Afl. 343). This deficit is the second highest registered over a period of five (5) years for the month September.

Table 11: Monthly income surplus/deficit (in Afl.) for a single adult household for September, 2014 - 2018

Period	Minimum		Surplus/deficit
	1 adult	wage	
2014	2,053	1,637	-416
2015	2,084	1,637	-447
2016	2,065	1,678	-387
2017	2,054	1,711	-343
2018	2,157	1,711	-446

Source: Central Bureau of Statistics Aruba

APPENDIX 1

Monthly & Yearly Changes (%) in the Consumer Price Index for September 2018, Total Population (Dec 2006 = 100)

DESCRIPTION	WEIGHT coefficient	2017	2017	2018	2018	Monthly Aug - Sep	Ytd Dec - Sep	End of period Sep 17 - Sep 18	Period average Sep 17 - Sep 18
		Sep	Dec	Aug	Sep				
Food and non-alcoholic beverages	1,125.3	148.21	149.57	161.40	161.37	0.0	7.9	8.9	5.1
Food	961.4	150.08	151.33	163.93	163.87	0.0	8.3	9.2	5.4
Non-alcoholic beverages	163.9	137.24	139.25	146.52	146.72	0.1	5.4	6.9	2.9
Alcoholic beverages and tobacco	81.9	150.20	150.19	159.01	159.80	0.5	6.4	6.4	2.9
Alcoholic beverages for consumption at home	59.3	124.61	124.69	130.52	131.36	0.6	5.3	5.4	2.0
Tobacco	22.6	217.28	217.04	233.71	234.38	0.3	8.0	7.9	4.2
Clothing and footwear	625.9	90.51	89.70	92.11	92.45	0.4	3.1	2.1	-0.2
Clothing	550.4	92.38	91.54	94.02	94.32	0.3	3.0	2.1	-0.2
Footwear	75.5	76.95	76.26	78.25	78.82	0.7	3.4	2.4	-0.3
Housing	2,553.3	130.00	130.01	131.05	131.10	0.0	0.8	0.8	-0.3
Actual rentals for housing	854.2	154.46	155.13	156.92	157.15	0.1	1.3	1.7	1.7
Maintenance and repair of the dwelling	444.6	110.30	109.09	110.77	110.61	-0.1	1.4	0.3	0.3
Water supply and miscellaneous services relating to the dwelling	505.7	119.95	119.95	120.06	120.06	0.0	0.1	0.1	0.0
Electricity, gas and other fuels	748.8	120.59	120.59	121.00	121.00	0.0	0.3	0.3	-3.6
Household operation	741.3	95.62	96.43	98.70	98.30	-0.4	1.9	2.8	0.0
Furniture, furnishings, carpets and other floor coverings	142.1	54.20	58.76	56.58	56.03	-1.0	-4.6	3.4	0.3
Household textiles	69.5	86.43	88.04	94.23	88.83	-5.7	0.9	2.8	-10.4
Household appliances	111.3	64.40	65.38	68.17	69.37	1.8	6.1	7.7	3.6
Glassware, tableware and household utensils	31.8	68.90	66.57	72.06	71.27	-1.1	7.1	3.4	0.1
Tools and equipment for house and garden	40.0	72.79	72.79	78.74	79.71	1.2	9.5	9.5	2.5
Goods and services for routine household maintenance and cleaning	346.6	129.56	129.01	131.43	131.46	0.0	1.9	1.5	0.9
Health	235.8	95.60	96.22	105.83	106.22	0.4	10.4	11.1	4.1
Medical products, appliances and equipment	140.3	101.85	102.98	112.62	113.03	0.4	9.8	11.0	4.6
Out-patient services	57.2	82.85	82.85	96.42	96.42	0.0	16.4	16.4	4.1
Other health products and services	38.3	91.74	91.46	95.02	95.94	1.0	4.9	4.6	2.0
Transport	1,815.4	112.13	115.94	123.45	122.51	-0.8	5.7	9.3	6.2
Purchase of vehicles	811.4	107.75	107.75	113.57	113.56	0.0	5.4	5.4	3.1
Operation of personal transport equipment	840.1	120.29	123.68	137.25	136.79	-0.3	10.6	13.7	9.8
Transport services	163.8	91.96	116.77	101.70	93.57	-8.0	-19.9	1.8	1.3
Communications	706.3	89.66	89.70	93.06	93.11	0.0	3.8	3.8	1.5
Postal services	6.1	118.02	118.02	126.22	126.22	0.0	6.9	6.9	1.7
Telephone and telefax equipment	29.6	33.00	33.87	30.88	31.86	3.2	-6.0	-3.5	10.3
Telephone and telefax services	670.6	91.90	91.90	95.50	95.50	0.0	3.9	3.9	1.3
Recreation and culture	891.2	106.82	110.00	114.50	115.26	0.7	4.8	7.9	2.8
Audio-visual, photographic and information processing equipment	123.8	93.71	96.93	90.75	102.37	12.8	5.6	9.2	26.8
Other major durables for recreation and culture	19.2	45.81	46.54	50.96	50.96	0.0	9.5	11.2	0.6
Other recreational items and equipment; gardens and pets	260.1	135.07	134.11	134.91	135.21	0.2	0.8	0.1	-3.3
Recreational and cultural services	335.0	101.92	102.39	112.58	112.58	0.0	10.0	10.5	3.8
Newspapers, books and stationery	82.1	88.33	86.74	97.07	97.07	0.0	11.9	9.9	2.6
Holidays	71.0	87.15	124.51	127.57	115.69	-9.3	-7.1	32.7	-2.8
Education	83.0	129.16	129.16	130.08	130.08	0.0	0.7	0.7	3.1
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	119.45	121.90	121.90	0.0	2.0	2.0	0.5
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	13.7
Education not definable by level	12.4	136.91	136.91	138.11	138.11	0.0	0.9	0.9	3.3
Restaurants and hotels	373.7	138.34	139.29	143.37	144.60	0.9	3.8	4.5	2.3
Catering services	367.5	139.00	139.97	144.11	145.36	0.9	3.9	4.6	2.3
Accommodation services	6.2	99.02	99.14	99.66	99.82	0.2	0.7	0.8	0.4
Miscellaneous goods and services	767.0	102.84	102.73	104.78	104.94	0.2	2.2	2.0	0.3
Personal care	262.0	118.90	118.12	120.01	120.43	0.3	2.0	1.3	-0.5
Personal effects n.e.c.	67.3	107.23	110.41	121.38	121.28	-0.1	9.8	13.1	6.1
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	96.89	96.07	98.91	99.13	0.2	3.2	2.3	-0.5
Other services n.e.c.	93.0	96.89	96.07	98.91	99.13	0.2	3.2	2.3	-0.5
CPI	10,000	116.45	117.63	122.16	122.14	-0.02	3.8	4.9	2.3

Source: Central Bureau of Statistics Aruba

APPENDIX 2

Effect on the Consumer Price Index per sector and category for September 2018 (Dec 2006 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly Aug - Sep	Ytd Dec - Sep	End of period Sep 17 - Sep 18	Period average Sep 17 - Sep 18
Food and non-alcoholic beverages	1,125.3	0.00	1.13	1.27	0.73
Food	961.4	-0.01	1.02	1.14	0.67
Non-alcoholic beverages	163.9	0.00	0.10	0.13	0.06
Alcoholic beverages and tobacco	81.9	0.01	0.07	0.07	0.03
Alcoholic beverages for consumption at home	59.3	0.00	0.03	0.03	0.01
Tobacco	22.6	0.00	0.03	0.03	0.02
Clothing and footwear	625.9	0.02	0.15	0.10	-0.01
Clothing	550.4	0.01	0.13	0.09	-0.01
Footwear	75.5	0.00	0.02	0.01	0.00
Housing	2,553.3	0.01	0.24	0.24	-0.08
Actual rentals for housing	854.2	0.02	0.15	0.20	0.19
Maintenance and repair of the dwelling	444.6	-0.01	0.06	0.01	0.01
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	0.03	0.03	-0.29
Household operation	741.3	-0.02	0.12	0.17	0.00
Furniture, furnishings, carpets and other floor coverings	142.1	-0.01	-0.03	0.02	0.00
Household textiles	69.5	-0.03	0.00	0.01	-0.06
Household appliances	111.3	0.01	0.04	0.05	0.02
Glassware, tableware and household utensils	31.8	0.00	0.01	0.01	0.00
Tools and equipment for house and garden	40.0	0.00	0.02	0.02	0.01
Goods and services for routine household maintenance and cleaning	346.6	0.00	0.07	0.06	0.03
Health	235.8	0.01	0.20	0.22	0.08
Medical products, appliances and equipment	140.3	0.00	0.12	0.13	0.06
Out-patient services	57.2	0.00	0.07	0.07	0.02
Other health products and services	38.3	0.00	0.01	0.01	0.01
Transport	1,815.4	-0.14	1.01	1.62	1.08
Purchase of vehicles	811.4	0.00	0.40	0.41	0.23
Operation of personal transport equipment	840.1	-0.03	0.94	1.19	0.83
Transport services	163.8	-0.11	-0.32	0.02	0.02
Communications	706.3	0.00	0.20	0.21	0.08
Postal services	6.1	0.00	0.00	0.00	0.00
Telephone and telefax equipment	29.6	0.00	-0.01	0.00	0.01
Telephone and telefax services	670.6	0.00	0.21	0.21	0.07
Recreation and culture	891.2	0.06	0.40	0.65	0.23
Audio-visual, photographic and information processing equipment	123.8	0.12	0.06	0.09	0.22
Other major durables for recreation and culture	19.2	0.00	0.01	0.01	0.00
Other recreational items and equipment; gardens and pets	260.1	0.01	0.02	0.00	-0.10
Recreational and cultural services	335.0	0.00	0.29	0.31	0.11
Newspapers, books and stationery	82.1	0.00	0.07	0.06	0.02
Holidays	71.0	-0.07	-0.05	0.17	-0.02
Education	83.0	0.00	0.01	0.01	0.03
Pre primary and primary education	30.4	0.00	0.00	0.00	0.00
Secondary education	25.2	0.00	0.01	0.01	0.00
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	0.02
Education not definable by level	12.4	0.00	0.00	0.00	0.00
Restaurants and hotels	373.7	0.04	0.17	0.20	0.10
Catering services	367.5	0.04	0.17	0.20	0.10
Accommodation services	6.2	0.00	0.00	0.00	0.00
Miscellaneous goods and services	767.0	0.01	0.14	0.14	0.02
Personal care	262.0	0.01	0.05	0.03	-0.01
Personal effects n.e.c.	67.3	0.00	0.06	0.08	0.04
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	0.01	0.00
Other services n.e.c.	93.0	0.00	0.02	0.02	0.00
CPI	10,000	-0.02	3.83	4.89	2.28

Source: Central Bureau of Statistics Aruba

APPENDIX 3
Monthly & Yearly Changes (%) and effect in the Food & catering services for September 2018, Total Population (Dec 2006 = 100)

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly Aug - Sep	End of period Sep 17 - Sep 18	Monthly Aug - Sep	End of period Sep 17 - Sep 18
Food & catering services	1,492.8	0.2	7.9	0.035	1.472
Food at home	1,125.3	-0.02	8.9	-0.002	1.272
Bread and cereals	205.2	0.9	6.7	0.022	0.157
Rice	18.8	3.8	10.5	0.009	0.026
Bread	98.1	0.0	5.8	0.000	0.068
Pasta products	7.6	0.8	3.8	0.001	0.003
Other cereals and cereal products	80.7	1.3	6.9	0.012	0.060
Meat	229.8	1.7	8.0	0.048	0.230
Bovine	44.7	0.3	3.8	0.001	0.020
Swine	28.1	2.5	6.4	0.008	0.021
Poultry	59.5	2.7	11.5	0.022	0.094
Other meat and meat preparations	97.5	1.4	8.1	0.017	0.096
Fish and other seafood	56.4	-1.0	5.7	-0.007	0.037
Fish and seafood preparations	56.4	-1.0	5.7	-0.007	0.037
Milk, cheese and eggs	140.0	0.9	10.9	0.015	0.169
Milk	58.8	1.6	13.6	0.013	0.102
Cheese	46.9	0.2	8.7	0.001	0.045
Eggs	14.3	0.6	8.9	0.001	0.010
Other milk products	19.9	0.2	7.2	0.000	0.012
Oils and fats	31.6	1.0	10.1	0.005	0.044
Butter and margarine	9.9	-0.1	15.2	0.000	0.022
Corn oil	9.4	1.9	8.2	0.003	0.012
Other oils and fats	12.3	1.3	7.0	0.002	0.010
Fruit	72.0	-3.8	19.4	-0.076	0.330
Oranges, lemons and mandarins	11.1	-4.4	4.1	-0.007	0.006
Bananas and plantains	13.8	-1.7	23.2	-0.005	0.055
Apples and pears	11.2	-2.1	14.3	-0.004	0.027
Grapes	6.0	-7.7	28.1	-0.010	0.028
Melons and watermelons	6.7	-5.3	16.0	-0.022	0.057
Nuts	6.9	-1.7	2.0	-0.001	0.001
Other fruits and fruit products	16.4	-3.5	25.5	-0.026	0.156
Potatoes and other tubers	18.5	2.6	17.7	0.006	0.036
Potatoes	11.2	3.6	25.5	0.006	0.036
Sweet potatoes and yucca	2.5	-0.4	0.2	0.000	0.000
Other tubers	4.8	0.1	-1.6	0.000	-0.001
Vegetables	75.7	-2.4	4.8	-0.029	0.057
Lettuce	6.7	-8.0	1.4	-0.004	0.001
Celery and broccoli	6.3	-4.6	11.2	-0.007	0.016
Tomatoes & peppers	15.5	-6.7	10.8	-0.014	0.020
Onions	7.8	0.8	-4.0	0.002	-0.012
Frozen vegetable mixtures	6.7	0.2	6.3	0.000	0.005
Other vegetables	12.7	-3.2	14.3	-0.005	0.019
Other preserved or processed vegetables	20.0	-0.6	2.7	-0.002	0.008
Sugar, jam, honey and other confectionery	49.6	0.4	5.0	0.002	0.023
Sugar	14.4	-0.5	5.6	-0.001	0.007
Jams and jellies	2.8	3.3	4.0	0.001	0.001
Other confectionery products	32.4	0.4	4.9	0.001	0.015
Food products n.e.c.	82.7	0.9	5.6	0.009	0.055
Other food products	82.7	0.9	5.6	0.009	0.055
Non-alcoholic beverages	163.9	0.1	6.9	0.003	0.133
Coffee and tea	30.1	0.2	6.8	0.001	0.020
Soft and sports drinks	49.7	-0.2	8.3	-0.001	0.047
Fruit juices	61.0	0.0	5.7	0.000	0.046
Other non-alcoholic beverages	23.1	1.2	7.6	0.003	0.021
Food away from home	367.5	0.9	4.6	0.038	0.201
Food and beverage consumption away from home	367.5	0.9	4.6	0.038	0.201
Other goods and services	8,507.2	-0.1	4.2	-0.056	3.417
Other goods	5,147.2	0.2	4.6	0.098	2.205
Other services	3,360.0	-0.5	3.6	-0.155	1.212
CPI	10,000	-0.02	4.9	-0.021	4.889

Source: Central Bureau of Statistics Aruba

APPENDIX 4

CONSUMER PRICE INDEX

	Base				YEAR: 2018				YEAR: 2017			
	Dec-06	Dec-06	Dec-06	Dec-06	Monthly	CHANGE			Monthly	CHANGE		
	=100.0	=100.0	=100.0	=100.0		Year-to date	Yearly	Period average		Year-to date	Yearly	Period average
	<u>Jan.'17</u>	<u>Dec.'16</u>	<u>Jan.'18</u>	<u>Dec.'17</u>								
<u>Total Population</u>	116.63	118.00	117.89	117.63	0.2	0.2	1.1	-0.4	-1.2	-1.2	-0.4	-0.9
Low Income	120.58	122.04	121.83	121.38	0.4	0.4	1.0		-1.2	-1.2	-0.6	
High Income	114.68	116.00	115.93	115.77	0.1	0.1	1.1		-1.1	-1.1	-0.3	
	<u>Feb.'17</u>	<u>Jan.'17</u>	<u>Feb.'18</u>	<u>Jan.'18</u>								
<u>Total Population</u>	116.58	116.63	118.79	117.89	0.8	1.0	1.9	-0.2	0.0	-1.2	-0.3	-0.8
Low Income	120.55	120.58	122.99	121.83	0.9	1.3	2.0		0.0	-1.2	-0.4	
High Income	114.62	114.68	116.71	115.93	0.7	0.8	1.8		-0.1	-1.2	-0.2	
	<u>Mar.'17</u>	<u>Feb.'17</u>	<u>Mar.'18</u>	<u>Feb.'18</u>								
<u>Total Population</u>	116.44	116.58	119.44	118.79	0.5	1.5	2.6	0.04	-0.1	-1.3	-0.1	-0.7
Low Income	120.39	120.55	123.57	122.99	0.5	1.8	2.6		-0.1	-1.3	-0.1	
High Income	114.48	114.62	117.39	116.71	0.6	1.4	2.5		-0.1	-1.3	0.0	
	<u>Apr.'17</u>	<u>Mar.'17</u>	<u>Apr.'18</u>	<u>Mar.'18</u>								
<u>Total Population</u>	116.42	116.44	119.48	119.44	0.04	1.6	2.6	0.3	-0.02	-1.3	-0.1	-0.6
Low Income	120.44	120.39	123.81	123.57	0.2	2.0	2.8		0.03	-1.3	-0.3	
High Income	114.43	114.48	117.34	117.39	0.0	1.4	2.5		-0.04	-1.4	0.0	
	<u>May'17</u>	<u>Apr.'17</u>	<u>May'18</u>	<u>Apr.'18</u>								
<u>Total Population</u>	116.88	116.42	119.85	119.48	0.3	1.9	2.5	0.5	0.4	-0.9	-0.1	-0.4
Low Income	120.76	120.44	124.18	123.81	0.3	2.3	2.8		0.3	-1.1	-0.3	
High Income	114.96	114.43	117.70	117.34	0.3	1.7	2.4		0.5	-0.9	0.0	
	<u>Jun'17</u>	<u>May'17</u>	<u>Jun'18</u>	<u>May'18</u>								
<u>Total Population</u>	116.70	116.88	120.69	119.85	0.7	2.6	3.4	0.8	-0.2	-1.1	-0.6	-0.4
Low Income	120.53	120.76	124.72	124.18	0.4	2.8	3.5		-0.2	-1.2	-0.9	
High Income	114.81	114.96	118.69	117.70	0.8	2.5	3.4		-0.1	-1.0	-0.5	
	<u>Jul'17</u>	<u>Jun'17</u>	<u>Jul'18</u>	<u>Jun'18</u>								
<u>Total Population</u>	116.55	116.70	122.47	120.69	1.5	4.1	5.1	1.3	-0.1	-1.2	-1.1	-0.4
Low Income	120.38	120.53	126.44	124.72	1.4	4.2	5.0		-0.1	-1.4	-1.2	
High Income	114.64	114.81	120.50	118.69	1.5	4.1	5.1		-0.1	-1.2	-1.0	
	<u>Aug.'17</u>	<u>Jul'17</u>	<u>Aug.'18</u>	<u>Jul'18</u>								
<u>Total Population</u>	116.32	116.55	122.16	122.47	-0.2	3.9	5.0	1.8	-0.2	-1.4	-0.7	-0.4
Low Income	120.27	120.38	126.44	126.44	0.0	4.2	5.1		-0.1	-1.4	-0.9	
High Income	114.37	114.64	120.05	120.50	-0.4	3.7	5.0		-0.2	-1.4	-0.6	
	<u>Sep.'17</u>	<u>Aug.'17</u>	<u>Sep.'18</u>	<u>Aug.'18</u>								
<u>Total Population</u>	116.45	116.32	122.14	122.16	-0.02	3.8	4.9	2.3	0.1	-1.3	-0.8	-0.4
Low Income	120.39	120.27	126.40	126.44	-0.03	4.1	5.0		0.1	-1.3	-0.9	
High Income	114.49	114.37	120.03	120.05	-0.02	3.7	4.8		0.1	-1.3	-0.7	
	<u>Oct.'17</u>	<u>Sep.'17</u>	<u>Oct.'18</u>	<u>Sep.'18</u>								
<u>Total Population</u>	117.12	116.45							0.6	-0.7	-0.4	-0.4
Low Income	121.09	120.39							0.6	-0.8	-0.6	
High Income	115.16	114.49							0.6	-0.7	-0.3	
	<u>Nov.'17</u>	<u>Oct.'17</u>	<u>Nov.'18</u>	<u>Oct.'18</u>								
<u>Total Population</u>	116.70	117.12							-0.4	-1.1	-0.9	-0.5
Low Income	120.81	121.09							-0.2	-1.0	-1.1	
High Income	114.67	115.16							-0.4	-1.1	-0.8	
	<u>Dec.'17</u>	<u>Nov.'17</u>	<u>Dec.'18</u>	<u>Nov.'18</u>								
<u>Total Population</u>	117.63	116.70							0.8	-0.3	-0.3	-0.5
Low Income	121.38	120.81							0.5	-0.5	-0.5	
High Income	115.77	114.67							1.0	-0.2	-0.2	