

Consumer Price Index, base period December 2006 October 2018

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

The CPI for October 2018 is 122.02, a decrease of 0.1% compared to the index of September 2018 (122.14) and accumulating an increase of 3.7% up to and including October of this year.

The percentage change of the CPI over the last twelve (12) months (October 2017 to October 2018) is 4.2%, an increase of 4.6 ppts compared to the percentage change for the same period of last year (-0.4%).

The period average percentage change of the CPI for the period October 2017 - October 2018 is 2.7%, an increase of 3.1 ppts compared to the period average percentage change over the period October 2016 - October 2017 (-0.4%).

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" (-3.3%) and the "Household operation" (-0.4%) sectors, which contributed with an effect of -0.28 and -0.02 ppts, respectively. The decreases in the remaining sectors had an effect of -0.01 ppt on the CPI of October 2018.

Aforementioned decreases were partially offset mainly by increases in the indices for the "Clothing and footwear" (1.8%) and "Food and non-alcoholic beverages" (0.6%) sectors, causing an effect of 0.09 and 0.08 ppts, respectively. The increases in the remaining sectors had an effect of 0.04 ppts on the CPI of October 2018.

The decrease in the "Recreation and culture" sector was mainly due to a decrease in the category "Holidays" (-35.0%), which contributed to an effect of -0.24 ppts. The decrease in the "Household operation" sector was mainly caused by a decrease of 3.0% in the category "Household appliances", which contributed to an effect of -0.02 ppts.

The increase in the "Clothing and footwear" sector was mainly due to an increase of 1.8% in the category "Clothing", which contributed to an effect of 0.08 ppts. The increase in the "Food and non-alcoholic beverages" sector was mainly caused by an increase in the category "Food" (0.6%), which contributed to an effect of 0.08 ppts.

The consumption basket of the CPI consists of 452 goods and services. Compared to September 2018, 37.8% of these products had an increase in price, causing an effect of 0.43 ppts, while 27.4% showed a decrease, contributing to an effect of -0.53 ppts and the remaining 34.7% had no change in price. The prices of goods increased by 0.3% and caused an influence of 0.16 ppts. The prices of services showed a decrease of 0.7% and had an influence of -0.26 ppts on the CPI of October 2018.

The CPIC (core inflation) - CPI excluding the effect of energy and food - was 2.0% in October 2018, which is 1.7 ppts higher compared to the percentage change for the same period of last year (0.3%). The energy index - which consists of the products: electricity, water, gasoline and diesel - was 2.9%, which is 7.0 ppts higher compared to the percentage change for the same period of last year (-4.1%). The food index showed an increase of 6.1%, which is 5.0 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 October 2018 is Afl. 4,539, while for a single adult household it is Afl. 2,161.

November 28, 2018



CPI (BASE DEC 2006 = 100)		
Index	↓	122.02
Monthly	↓	-0.1
Year-to-date	↑	3.7
End of period	↑	4.2
Period average	↑	2.7
Goods	↑	0.3
Services	↓	-0.7

CPIC		
CPIC	↑	2.0
Energy	↑	2.9
Food	↑	6.1

SUBSISTENCE LEVEL in AFL.		
1 adult	↑	2,161
2 adults + 2 children	↑	4,539

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

	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18
Index	117.12	116.70	117.63	117.89	118.79	119.44	119.48	119.85	120.69	122.47	122.16	122.14	122.02
Monthly	0.6	-0.4	0.8	0.2	0.8	0.5	0.0	0.3	0.7	1.5	-0.2	-0.02	-0.1
Year-to-date	-0.7	-1.1	-0.3	0.2	1.0	1.5	1.6	1.9	2.6	4.1	3.9	3.8	3.7
End of period	-0.4	-0.9	-0.3	1.1	1.9	2.6	2.6	2.5	3.4	5.1	5.0	4.9	4.2
Period average	-0.4	-0.5	-0.5	-0.4	-0.2	0.0	0.3	0.5	0.8	1.3	1.8	2.3	2.7
Goods	0.5	-0.4	0.4	0.6	1.4	0.2	0.3	0.3	0.5	1.6	0.0	0.2	0.3
Services	0.6	-0.2	1.5	-0.4	-0.3	1.2	-0.3	0.2	1.1	1.3	-0.7	-0.3	-0.7
CPIC	0.3	0.3	0.3	0.3	0.4	0.6	0.6	0.7	0.8	1.1	1.4	1.7	2.0
Energy	-4.1	-4.3	-4.2	-3.8	-3.4	-3.1	-2.5	-1.8	-0.9	0.3	1.3	2.2	2.9
Food	1.1	0.9	0.8	0.8	1.3	1.7	2.2	2.7	3.3	4.1	4.8	5.4	6.1
1 adult	2,066	2,062	2,067	2,075	2,106	2,112	2,118	2,122	2,131	2,162	2,157	2,157	2,161
2 adults + 2 children	4,339	4,330	4,340	4,357	4,422	4,435	4,447	4,457	4,476	4,539	4,529	4,530	4,539

Source: Central Bureau of Statistics Aruba

Table 2 Percentage change by sector

Sector	Weight coefficient	Effect Sep - Oct	Percentage changes			
			Monthly Sep - Oct	Year-to-date Dec - Oct	End of period Oct 17 - Oct 18	Period average Oct 17 - Oct 18
CPI	10,000.0	-0.10	-0.1	3.7	4.2	2.7
01. Food and non-alcoholic beverages	1,125.3	0.08	0.6	8.5	8.1	5.7
02. Alcoholic beverages and tobacco	81.9	0.00	-0.1	6.3	6.1	3.3
03. Clothing and footwear	625.9	0.09	1.8	5.0	3.9	0.0
04. Housing	2,553.3	0.02	0.1	0.9	0.8	0.1
05. Household operation	741.3	-0.02	-0.4	1.6	2.5	0.4
06. Health	235.8	0.01	0.5	11.0	11.7	5.1
07. Transport	1,815.4	0.01	0.1	5.7	7.0	6.5
08. Communications	706.3	0.00	0.0	3.8	3.8	1.8
09. Recreation and culture	891.2	-0.28	-3.3	1.3	4.4	3.3
10. Education	83.0	0.00	0.0	0.7	0.7	2.6
11. Restaurants and hotels	373.7	0.00	-0.1	3.7	4.3	2.5
12. Miscellaneous goods and services	767.0	0.00	0.0	2.2	2.1	0.5

Source: Central Bureau of Statistics Aruba

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

Category	Monthly change	Effect
Food	0.6	0.08
Clothing	1.8	0.08
Operation of personal transport equipment	0.4	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 October 2018

Category	Monthly change	Effect
Holidays	-35.0	-0.24
Audio-visual, photographic and information processing equipment	-4.9	-0.05
Transport services	-2.1	-0.03
Household appliances	-3.0	-0.02

Source: Central Bureau of Statistics Aruba

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

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In October 2018 the average price per barrel of crude oil (US\$ 71.44) had an increase of US\$ 1.29 (1.8%) compared to September 2018 (US\$ 70.15).

The total energy charge per kWh for the usage of electricity up to 500 kWh did not change in October 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 October 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 October 2018, it stayed at Afl. 45.93 cents per kWh. The prices of electricity and water did not change compared to September 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 October 2018 the price of gasoline increased by Afl. 0.50 cents (0.2%) causing an effect of 0.01 ppt on the CPI. The price of diesel registered an increase of Afl. 5.10 cents (2.8%) and had an effect of 0.01 ppt on the CPI of October 2018.

In October 2018, utilities, gasoline and diesel as a group showed an increase in price of 0.1% compared to September 2018, and had an influence of 0.02 ppts on the CPI, while the remaining 448 goods and services, as a group, experienced a decrease of 0.1% in price, causing an effect of -0.12 ppt on the CPI.

Table 6 Effect on the CPI of October 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	0.2	0.01
Water	437.4	0.0	0.00
Diesel	21.8	2.8	0.01
Total group	1,710.8	0.1	0.02
Remaining goods and services	8,289.2	-0.1	-0.12
CPI	10,000.0	-0.1	-0.10

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 ≤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	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	71.44	34.52	35.72	265.65	137.05	216.40	190.10
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	67.40	34.52	35.72	265.65	137.05	204.54	175.59

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 October 2018

The “Food & catering services” index showed an increase of 0.4% in October 2018, after an increase of 0.2% in September 2018. The index for “Food at home” showed an increase of 0.6% in October, as nine (9) of the eleven (11) “Food at home” indices decreased in October 2018. The “Potatoes and other tubers” index registered the largest increase (4.3%) in October 2018. Furthermore, increases were posted in the indices for “Vegetables” (2.7%) and “Fish and other seafood” (1.8%). Furthermore, decreases of 0.6% and 0.2% were posted in the indices for “Bread and cereals” and “Food products n.e.c.”.

Over the last twelve (12) months, the “Food & catering services” has increased by 7.2%. The “Food at home” index showed an increase of 8.1%. The “Potatoes and other tubers” index increased by 19.1%, the largest increase among the “Food at home” food groups.

The index for “Food away from home” decreased by 0.1% in October 2018 and has increased by 4.3% over the last twelve (12) months.

In October 2018, “Food at home” and “Food away from home” as a group showed an increase in price of 0.4% compared to September 2018, and had an influence of 0.08 ppts on the CPI, while the remaining goods and services, as a group, experienced a decrease in price of 0.2%, causing an effect of -0.17 ppts on the CPI.

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

Category	Weight	Monthly change	Effect
<i>Food at home</i>	1,125.3	0.6	0.08
<i>Food away from home</i>	367.5	-0.1	0.00
<i>Total group</i>	1,492.8	0.4	0.08
<i>Remaining goods and services</i>	8,507.2	-0.2	-0.17
<i>CPI</i>	10,000.0	-0.1	-0.10

Source: Central Bureau of Statistics Aruba

Table 7 Percentage change for Food & catering services

	Indices	Indices			Percentage changes			Effect		
		Weight coefficient	Oct-17	Sep-18	Oct-18	Monthly Aug-Sep	Monthly Sep-Oct	End of period Oct 17-Oct 18	Monthly Sep-Oct	End of period Oct 17-Oct 18
Food & catering services		1,492.8	147.45	157.43	158.07	0.2	0.4	7.2	0.079	1.354
Food at home		1,125.3	150.15	161.37	162.28	-0.02	0.6	8.1	0.084	1.165
<i>Bread and cereals</i>		205.2	134.79	143.02	142.14	0.9	-0.6	5.5	-0.015	0.129
<i>Meat</i>		229.8	145.45	156.88	157.13	1.7	0.2	8.0	0.005	0.229
<i>Fish and other seafood</i>		56.4	135.47	140.68	143.17	-1.0	1.8	5.7	0.011	0.037
<i>Milk, cheese and eggs</i>		140.0	129.26	142.99	143.69	0.9	0.5	11.2	0.008	0.172
<i>Oils and fats</i>		31.6	160.30	176.26	176.48	1.0	0.1	10.1	0.001	0.044
<i>Fruit</i>		72.0	281.43	329.27	333.98	-3.8	1.4	18.7	0.028	0.323
<i>Potatoes and other tubers</i>		18.5	131.42	150.06	156.53	2.6	4.3	19.1	0.010	0.040
<i>Vegetables</i>		75.7	197.18	190.90	196.11	-2.4	2.7	-0.5	0.032	-0.007
<i>Sugar, jam, honey and other confectionery</i>		49.6	109.13	114.79	115.35	0.4	0.5	5.7	0.002	0.026
<i>Food products n.e.c.</i>		82.7	137.92	145.24	144.95	0.9	-0.2	5.1	-0.002	0.050
<i>Non-alcoholic beverages</i>		163.9	138.24	146.72	146.97	0.1	0.2	6.3	0.003	0.122
Food away from home		367.5	139.17	145.36	145.20	0.9	-0.1	4.3	-0.005	0.189

Source: Central Bureau of Statistics Aruba

APPENDIX 1

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

DESCRIPTION	WEIGHT coefficient	2017 Oct	2017 Dec	2018 Sep	2018 Oct	Monthly Sep - Oct	Ytd Dec - Oct	End of period Oct 17 - Oct 18	Period average Oct 17 - Oct 18
Food and non-alcoholic beverages	1,125.3	150.15	149.57	161.37	162.28	0.6	8.5	8.1	5.7
Food	961.4	152.18	151.33	163.87	164.89	0.6	9.0	8.3	6.1
Non-alcoholic beverages	163.9	138.24	139.25	146.72	146.97	0.2	5.5	6.3	3.3
Alcoholic beverages and tobacco	81.9	150.41	150.19	159.80	159.61	-0.1	6.3	6.1	3.3
Alcoholic beverages for consumption at home	59.3	124.92	124.69	131.36	131.52	0.1	5.5	5.3	2.5
Tobacco	22.6	217.24	217.04	234.38	233.26	-0.5	7.5	7.4	4.7
Clothing and footwear	625.9	90.60	89.70	92.45	94.14	1.8	5.0	3.9	0.0
Clothing	550.4	92.71	91.54	94.32	96.05	1.8	4.9	3.6	0.0
Footwear	75.5	75.21	76.26	78.82	80.23	1.8	5.2	6.7	0.2
Housing	2,553.3	130.08	130.01	131.10	131.17	0.1	0.9	0.8	0.1
Actual rentals for housing	854.2	154.68	155.13	157.15	157.38	0.1	1.4	1.7	1.7
Maintenance and repair of the dwelling	444.6	110.30	109.09	110.61	110.61	0.0	1.4	0.3	0.2
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	-2.4
Household operation	741.3	95.55	96.43	98.30	97.94	-0.4	1.6	2.5	0.4
Furniture, furnishings, carpets and other floor coverings	142.1	54.31	58.76	56.03	55.43	-1.1	-5.7	2.1	1.0
Household textiles	69.5	87.09	88.04	88.83	88.82	0.0	0.9	2.0	-9.2
Household appliances	111.3	64.26	65.38	69.37	67.26	-3.0	2.9	4.7	3.5
Glassware, tableware and household utensils	31.8	68.87	66.57	71.27	73.17	2.7	9.9	6.2	0.4
Tools and equipment for house and garden	40.0	72.79	72.79	79.71	79.70	0.0	9.5	9.5	3.0
Goods and services for routine household maintenance and cleaning	346.6	129.29	129.01	131.46	131.44	0.0	1.9	1.7	1.0
Health	235.8	95.56	96.22	106.22	106.76	0.5	11.0	11.7	5.1
Medical products, appliances and equipment	140.3	101.83	102.98	113.03	114.05	0.9	10.8	12.0	5.6
Out-patient services	57.2	82.85	82.85	96.42	96.42	0.0	16.4	16.4	5.5
Other health products and services	38.3	91.59	91.46	95.94	95.47	-0.5	4.4	4.2	2.3
Transport	1,815.4	114.55	115.94	122.51	122.60	0.1	5.7	7.0	6.5
Purchase of vehicles	811.4	107.75	107.75	113.56	113.56	0.0	5.4	5.4	3.6
Operation of personal transport equipment	840.1	122.57	123.68	136.79	137.37	0.4	11.1	12.1	10.3
Transport services	163.8	107.10	116.77	93.57	91.60	-2.1	-21.6	-14.5	-0.3
Communications	706.3	89.71	89.70	93.11	93.11	0.0	3.8	3.8	1.8
Postal services	6.1	118.02	118.02	126.22	126.22	0.0	6.9	6.9	2.6
Telephone and telefax equipment	29.6	34.23	33.87	31.86	31.86	0.0	-6.0	-6.9	8.4
Telephone and telefax services	670.6	91.90	91.90	95.50	95.50	0.0	3.9	3.9	1.7
Recreation and culture	891.2	106.73	110.00	115.26	111.43	-3.3	1.3	4.4	3.3
Audio-visual, photographic and information processing equipment	123.8	90.87	96.93	102.37	97.31	-4.9	0.4	7.1	25.7
Other major durables for recreation and culture	19.2	47.56	46.54	50.96	50.96	0.0	9.5	7.1	1.6
Other recreational items and equipment; gardens and pets	260.1	135.47	134.11	135.21	135.21	0.0	0.8	-0.2	-3.0
Recreational and cultural services	335.0	101.92	102.39	112.58	112.58	0.0	10.0	10.5	4.9
Newspapers, books and stationery	82.1	88.59	86.74	97.07	98.18	1.1	13.2	10.8	3.3
Holidays	71.0	88.76	124.51	115.69	75.21	-35.0	-39.6	-15.3	-2.3
Education	83.0	129.16	129.16	130.08	130.08	0.0	0.7	0.7	2.6
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	0.7
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	10.8
Education not definable by level	12.4	136.91	136.91	138.11	138.11	0.0	0.9	0.9	2.8
Restaurants and hotels	373.7	138.51	139.29	144.60	144.44	-0.1	3.7	4.3	2.5
Catering services	367.5	139.17	139.97	145.36	145.20	-0.1	3.7	4.3	2.5
Accommodation services	6.2	99.04	99.14	99.82	99.80	0.0	0.7	0.8	0.4
Miscellaneous goods and services	767.0	102.83	102.73	104.94	104.97	0.0	2.2	2.1	0.5
Personal care	262.0	118.93	118.12	120.43	120.54	0.1	2.0	1.4	-0.3
Personal effects n.e.c.	67.3	107.23	110.41	121.28	120.71	-0.5	9.3	12.6	7.0
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	96.73	96.07	99.13	99.36	0.2	3.4	2.7	-0.1
Other services n.e.c.	93.0	96.73	96.07	99.13	99.36	0.2	3.4	2.7	-0.1
CPI	10,000	117.12	117.63	122.14	122.02	-0.1	3.7	4.2	2.7

Source: Central Bureau of Statistics Aruba

APPENDIX 2

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

DESCRIPTION	WEIGHT coefficient	Monthly Sep - Oct	Ytd Dec - Oct	End of period Oct 17 - Oct 18	Period average Oct 17 - Oct 18
Food and non-alcoholic beverages	1,125.3	0.08	1.22	1.17	0.81
Food	961.4	0.08	1.11	1.04	0.75
Non-alcoholic beverages	163.9	0.00	0.11	0.12	0.06
Alcoholic beverages and tobacco	81.9	0.00	0.07	0.06	0.04
Alcoholic beverages for consumption at home	59.3	0.00	0.03	0.03	0.02
Tobacco	22.6	0.00	0.03	0.03	0.02
Clothing and footwear	625.9	0.09	0.24	0.19	0.00
Clothing	550.4	0.08	0.21	0.16	0.00
Footwear	75.5	0.01	0.03	0.03	0.00
Housing	2,553.3	0.02	0.25	0.24	0.02
Actual rentals for housing	854.2	0.02	0.16	0.20	0.20
Maintenance and repair of the dwelling	444.6	0.00	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	-0.19
Household operation	741.3	-0.02	0.10	0.15	0.02
Furniture, furnishings, carpets and other floor coverings	142.1	-0.01	-0.04	0.01	0.01
Household textiles	69.5	0.00	0.00	0.01	-0.05
Household appliances	111.3	-0.02	0.02	0.03	0.02
Glassware, tableware and household utensils	31.8	0.00	0.02	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	0.04
Health	235.8	0.01	0.21	0.23	0.10
Medical products, appliances and equipment	140.3	0.01	0.13	0.15	0.07
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	0.01	1.03	1.25	1.14
Purchase of vehicles	811.4	0.00	0.40	0.40	0.27
Operation of personal transport equipment	840.1	0.04	0.98	1.06	0.87
Transport services	163.8	-0.03	-0.35	-0.22	0.00
Communications	706.3	0.00	0.20	0.20	0.10
Postal services	6.1	0.00	0.00	0.00	0.00
Telephone and telefax equipment	29.6	0.00	-0.01	-0.01	0.01
Telephone and telefax services	670.6	0.00	0.21	0.21	0.09
Recreation and culture	891.2	-0.28	0.11	0.36	0.28
Audio-visual, photographic and information processing equipment	123.8	-0.05	0.00	0.07	0.21
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	0.00	0.02	-0.01	-0.09
Recreational and cultural services	335.0	0.00	0.29	0.30	0.15
Newspapers, books and stationery	82.1	0.01	0.08	0.07	0.02
Holidays	71.0	-0.24	-0.30	-0.08	-0.02
Education	83.0	0.00	0.01	0.01	0.02
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	0.00	0.16	0.19	0.11
Catering services	367.5	0.00	0.16	0.19	0.11
Accommodation services	6.2	0.00	0.00	0.00	0.00
Miscellaneous goods and services	767.0	0.00	0.15	0.14	0.03
Personal care	262.0	0.00	0.05	0.04	-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	0.03	0.02	0.00
CPI	10,000	-0.10	3.73	4.18	2.67

Source: Central Bureau of Statistics Aruba

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

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly Sep - Oct	End of period Oct 17 - Oct 18	Monthly Sep - Oct	End of period Oct 17 - Oct 18
Food & catering services	1,492.8	0.4	7.2	0.079	1.354
Food at home	1,125.3	0.6	8.1	0.084	1.165
Bread and cereals	205.2	-0.6	5.5	-0.015	0.129
Rice	18.8	0.5	11.0	0.001	0.027
Bread	98.1	0.6	6.5	0.007	0.076
Pasta products	7.6	0.4	4.2	0.000	0.003
Other cereals and cereal products	80.7	-2.7	2.6	-0.023	0.023
Meat	229.8	0.2	8.0	0.005	0.229
Bovine	44.7	0.6	4.9	0.003	0.026
Swine	28.1	-0.4	5.7	-0.001	0.019
Poultry	59.5	0.8	12.6	0.007	0.102
Other meat and meat preparations	97.5	-0.3	7.0	-0.004	0.083
Fish and other seafood	56.4	1.8	5.7	0.011	0.037
Fish and seafood preparations	56.4	1.8	5.7	0.011	0.037
Milk, cheese and eggs	140.0	0.5	11.2	0.008	0.172
Milk	58.8	1.0	12.8	0.008	0.096
Cheese	46.9	0.0	9.6	0.000	0.049
Eggs	14.3	0.0	12.9	0.000	0.014
Other milk products	19.9	0.1	7.5	0.000	0.013
Oils and fats	31.6	0.1	10.1	0.001	0.044
Butter and margarine	9.9	-0.6	14.0	-0.001	0.020
Corn oil	9.4	0.4	9.9	0.001	0.014
Other oils and fats	12.3	0.6	6.6	0.001	0.010
Fruit	72.0	1.4	18.7	0.028	0.323
Oranges, lemons and mandarins	11.1	4.8	8.7	0.007	0.013
Bananas and plantains	13.8	3.5	26.4	0.010	0.063
Apples and pears	11.2	0.7	12.6	0.001	0.024
Grapes	6.0	-7.8	16.2	-0.009	0.016
Melons and watermelons	6.7	-2.3	12.0	-0.009	0.043
Nuts	6.9	2.3	4.3	0.001	0.003
Other fruits and fruit products	16.4	3.6	25.6	0.026	0.161
Potatoes and other tubers	18.5	4.3	19.1	0.010	0.040
Potatoes	11.2	4.8	26.1	0.008	0.039
Sweet potatoes and yucca	2.5	12.2	10.5	0.002	0.002
Other tubers	4.8	-0.8	-1.8	0.000	-0.001
Vegetables	75.7	2.7	-0.5	0.032	-0.007
Lettuce	6.7	5.6	-29.2	0.003	-0.020
Celery and broccoli	6.3	1.6	-6.9	0.002	-0.012
Tomatoes & peppers	15.5	6.0	16.1	0.012	0.030
Onions	7.8	5.4	-11.4	0.014	-0.038
Frozen vegetable mixtures	6.7	0.7	7.1	0.001	0.005
Other vegetables	12.7	-0.4	12.9	-0.001	0.018
Other preserved or processed vegetables	20.0	0.5	3.2	0.001	0.010
Sugar, jam, honey and other confectionery	49.6	0.5	5.7	0.002	0.026
Sugar	14.4	0.8	6.4	0.001	0.008
Jams and jellies	2.8	0.4	4.3	0.000	0.001
Other confectionery products	32.4	0.4	5.5	0.001	0.017
Food products n.e.c.	82.7	-0.2	5.1	-0.002	0.050
Other food products	82.7	-0.2	5.1	-0.002	0.050
Non-alcoholic beverages	163.9	0.2	6.3	0.003	0.122
Coffee and tea	30.1	0.4	7.2	0.001	0.021
Soft and sports drinks	49.7	-0.3	6.7	-0.002	0.038
Fruit juices	61.0	0.0	4.9	0.000	0.040
Other non-alcoholic beverages	23.1	1.4	8.7	0.004	0.024
Food away from home	367.5	-0.1	4.3	-0.005	0.189
Food and beverage consumption away from home	367.5	-0.1	4.3	-0.005	0.189
Other goods and services	8,507.2	-0.2	3.5	-0.175	2.827
Other goods	5,147.2	0.2	4.4	0.077	2.120
Other services	3,360.0	-0.8	2.1	-0.251	0.706
CPI	10,000	-0.1	4.2	-0.096	4.181

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	Year-to date	Yearly	Period average	Monthly	Year-to date	Yearly	Period average
	=100.0	=100.0	=100.0	=100.0								
	<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	122.02	122.14	-0.1	3.7	4.2	2.7	0.6	-0.7	-0.4	-0.4
Low Income	121.09	120.39	126.55	126.40	0.1	4.3	4.5		0.6	-0.8	-0.6	
High Income	115.16	114.49	119.78	120.03	-0.2	3.5	4.0		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	

APPENDIX 5

Prices of crude oil, utilities and gasoline, 2001 - 2018

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
January-18	63.38	34.52	35.72	45.93	12.50	265.65	137.05	186.80	161.90
February-18	62.59	34.52	35.72	45.93	12.50	265.65	137.05	194.30	168.30
March-18	62.82	34.52	35.72	45.93	12.50	265.65	137.05	193.20	165.00
April-18	66.14	34.52	35.72	45.93	12.50	265.65	137.05	195.50	164.60
May-18	70.31	34.52	35.72	45.93	12.50	265.65	137.05	202.50	172.00
June-18	67.77	34.52	35.72	45.93	12.50	265.65	137.05	208.90	179.70
July-18	71.16	34.52	35.72	45.93	12.50	265.65	137.05	214.80	184.70
August-18	68.25	34.52	35.72	45.93	12.50	265.65	137.05	217.10	184.60
September-18	70.15	34.52	35.72	45.93	12.50	265.65	137.05	215.90	185.00
October-18	71.44	34.52	35.72	45.93	12.50	265.65	137.05	216.40	190.10
November-18									
December-18									
Average 2018	67.40	34.52	35.72	45.93	12.50	265.65	137.05	204.54	175.59

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