

Consumer Price Index, base period December 2006

December 2018

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

The CPI for December 2018 is 123.01, an increase of 0.3% compared to the index of November 2018 (122.62).

The percentage change of the CPI over the last twelve (12) months (December 2017 to December 2018) is 4.6%, an increase of 4.9 ppts compared to the percentage change for the same period of last year (-0.3%).

The period average percentage change of the CPI for the period December 2017 - December 2018 is 3.6%, an increase of 4.1 ppts compared to the period average percentage change over the period December 2016 - December 2017 (-0.5%).

During this month, four (4) of the twelve (12) sectors registered increases in prices. The increases that had the greatest influence on the CPI were registered for the "Communications" (8.7%), "Recreation and culture" (2.6%) and the "Food and non-alcoholic beverages" (1.0%) sectors, which contributed with an effect of 0.46, 0.22 and 0.15 ppts, respectively. The increase in the remaining sector had an effect of 0.03 ppts on the CPI of December 2018.

Aforementioned increases were partially offset mainly by decreases in the indices for the "Transport" (-2.0%) and "Clothing and footwear" (-1.8%) sectors, causing an effect of -0.37 and -0.09 ppts, respectively. The decreases in the remaining sectors had an effect of -0.09 ppts on the CPI of December 2018.

The increase in the "Communications" sector was due to an increase in the category "Telephone and telefax services" (9.2%), which contributed to an effect of 0.48 ppts. The increase in the "Recreation and culture" sector was mainly caused by an increase of 59.5% in the category "Holidays", which contributed to an effect of 0.29 ppts. The increase in the "Food and non-alcoholic beverages" sector was mainly due to an increase in the category "Food" (1.1%), which contributed to an effect of 0.14 ppts.


The decrease in the "Transport" sector was due to a decrease of 4.7% in the category "Operation of personal transport equipment", which contributed to an effect of -0.44 ppts. The decrease in the "Clothing and footwear" sector was mainly caused by a decrease in the category "Clothing" (-1.9%), which contributed to an effect of -0.09 ppts.

The consumption basket of the CPI consists of 452 goods and services. Compared to November 2018, 34.5% of these products had an increase in price, causing an effect of 1.30 ppts, while 35.8% showed a decrease, contributing to an effect of -0.98 ppts and the remaining 29.6% had no change in price. The prices of goods decreased by 0.8% and caused an influence of -0.52 ppts. The prices of services showed an increase of 2.3% and had an influence of 0.84 ppts on the CPI of December 2018.

The CPIC (core inflation) - CPI excluding the effect of energy and food - was 2.6% in December 2018, which is 2.3 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 4.3%, which is 8.5 ppts higher compared to the percentage change for the same period of last year (-4.2%). The food index showed an increase of 7.9%, which is 7.1 ppts higher compared to the percentage change for the same period of last year (0.8%).

The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) in December 2018 is Afl. 4,596, while for a single adult household it is Afl. 2,189.

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central bureau of statistics
DECEMBER 2018

CPI (BASE DEC 2006 = 100)		
Index	↑	123.01
Monthly	↑	0.3
Year-to-date	↑	4.6
End of period	↑	4.6
Period average	↑	3.6
Goods	↓	-0.8
Services	↑	2.3

CPIC		
CPIC	↑	2.6
Energy	↑	4.3
Food	↑	7.9

SUBSISTENCE LEVEL <small>in AFL.</small>		
1 adult	↑	2,189
2 adults + 2 children	↑	4,596

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

	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18
Index	117.63	117.89	118.79	119.44	119.48	119.85	120.69	122.47	122.16	122.14	122.02	122.62	123.01
<i>Monthly</i>	0.8	0.2	0.8	0.5	0.0	0.3	0.7	1.5	-0.2	-0.02	-0.1	0.5	0.3
<i>Year-to-date</i>	-0.3	0.2	1.0	1.5	1.6	1.9	2.6	4.1	3.9	3.8	3.7	4.2	4.6
<i>End of period</i>	-0.3	1.1	1.9	2.6	2.6	2.5	3.4	5.1	5.0	4.9	4.2	5.1	4.6
<i>Period average</i>	-0.5	-0.4	-0.2	0.0	0.3	0.5	0.8	1.3	1.8	2.3	2.7	3.2	3.6
<i>Goods</i>	0.4	0.6	1.4	0.2	0.3	0.3	0.5	1.6	0.0	0.2	0.3	0.6	-0.8
<i>Services</i>	1.5	-0.4	-0.3	1.2	-0.3	0.2	1.1	1.3	-0.7	-0.3	-0.7	0.3	2.3
CPIC	0.3	0.3	0.4	0.6	0.6	0.7	0.8	1.1	1.4	1.7	2.0	2.3	2.6
<i>Energy</i>	-4.2	-3.8	-3.4	-3.1	-2.5	-1.8	-0.9	0.3	1.3	2.2	2.9	3.9	4.3
<i>Food</i>	0.8	0.8	1.3	1.7	2.2	2.7	3.3	4.1	4.8	5.4	6.1	6.9	7.9
<i>1 adult</i>	2,067	2,075	2,106	2,112	2,118	2,122	2,131	2,162	2,157	2,157	2,161	2,178	2,189
<i>2 adults + 2 children</i>	4,340	4,357	4,422	4,435	4,447	4,457	4,476	4,539	4,529	4,530	4,539	4,574	4,596

Source: Central Bureau of Statistics Aruba

Table 2 Percentage change by sector

Sector	Weight coefficient	Effect Nov - Dec	Percentage changes			
			Monthly Nov - Dec	Year-to-date Dec - Dec	End of period Dec 17 - Dec 18	Period average Dec 17 - Dec 18
CPI	10,000.0	0.32	0.3	4.6	4.6	3.6
<i>01. Food and non-alcoholic beverages</i>	1,125.3	0.15	1.0	11.0	11.0	7.4
<i>02. Alcoholic beverages and tobacco</i>	81.9	0.00	0.0	6.3	6.3	4.2
<i>03. Clothing and footwear</i>	625.9	-0.09	-1.8	7.0	7.0	1.4
<i>04. Housing</i>	2,553.3	0.03	0.1	1.2	1.2	0.8
<i>05. Household operation</i>	741.3	-0.06	-1.0	0.6	0.6	0.9
<i>06. Health</i>	235.8	-0.01	-0.3	10.1	10.1	6.6
<i>07. Transport</i>	1,815.4	-0.37	-2.0	3.8	3.8	7.0
<i>08. Communications</i>	706.3	0.46	8.7	12.8	12.8	3.2
<i>09. Recreation and culture</i>	891.2	0.22	2.6	4.7	4.7	4.7
<i>10. Education</i>	83.0	0.00	0.0	0.7	0.7	1.7
<i>11. Restaurants and hotels</i>	373.7	0.00	0.0	3.5	3.5	2.7
<i>12. Miscellaneous goods and services</i>	767.0	-0.02	-0.4	1.8	1.8	1.0

Source: Central Bureau of Statistics Aruba

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

Category	Monthly change	Effect
<i>Telephone and telefax services</i>	9.2	0.48
<i>Holidays</i>	59.5	0.29
<i>Food</i>	1.1	0.14
<i>Transport services</i>	6.1	0.08

Source: Central Bureau of Statistics Aruba

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

Category	Monthly change	Effect
<i>Operation of personal transport equipment</i>	-4.7	-0.44
<i>Audio-visual, photographic and information processing equipment</i>	-8.8	-0.09
<i>Clothing</i>	-1.9	-0.09
<i>Household appliances</i>	-5.3	-0.03

Source: Central Bureau of Statistics Aruba

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

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In December 2018 the average price per barrel of crude oil (US\$ 49.09) had a decrease of US\$ 8.82 (-15.2%) compared to November 2018 (US\$ 57.91).

The total energy charge per kWh for the usage of electricity up to 500 kWh did not change in December 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 December 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 December 2018, it stayed at Afl. 45.93 cents per kWh. The prices of electricity and water did not change compared to November 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 December 2018 the price of gasoline decreased by Afl. 15.20 cents (-7.1%) causing an effect of -0.42 ppts on the CPI. The price of diesel registered a decrease of Afl. 13.20 cents (-6.8%) and had an effect of -0.02 ppts on the CPI of December 2018.

In December 2018, utilities, gasoline and diesel as a group showed a decrease in price of 2.5% compared to November 2018, and had an influence of -0.44 ppts on the CPI, while the remaining 448 goods and services, as a group, experienced an increase of 0.9% in price, causing an effect of 0.76 ppts on the CPI.

Table 6 Effect on the CPI of December 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	-7.1	-0.42
Water	437.4	0.0	0.00
Diesel	21.8	-6.8	-0.02
Total group	1,710.8	-2.5	-0.44
Remaining goods and services	8,289.2	0.9	0.76
CPI	10,000.0	0.3	0.32

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
April	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
May	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
June	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
July	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
August	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
September	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
October	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
November	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
December	56.23	34.52	35.72	265.65	137.05	183.60	155.50	57.91	34.52	35.72	265.65	137.05	214.60	194.20
Yearly Average	50.85	34.52	35.72	265.65	137.05	180.79	147.69	65.08	34.52	35.72	265.65	137.05	204.95	177.59

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 December 2018

The "Food & catering services" index showed an increase of 0.8% in December 2018, after an increase of 1.0% in November 2018. The index for "Food at home" showed an increase of 1.0% in December, as seven (7) of the eleven (11) "Food at home" indices increased in December 2018. The "Vegetables" index registered the largest increase (10.7%) in December 2018. Furthermore, increases were posted in the indices for "Meat" (0.7%), "Fruit" (0.7%) and "Oils and fats" (0.3%).

The "Fish and other seafood" and "Potatoes and other tubers" indices decreased the most (-2.0%), followed by decreases of 0.6% and 0.5% in the indices for "Sugar, jam, honey and other confectionery" and "Bread and cereals", respectively.

Over the last twelve (12) months, the "Food & catering services" has increased by 9.2%. The "Food at home" index showed an increase of 11.0%. The "Fruit" index increased by 27.5%, the largest increase among the "Food at home" food groups.

The index for "Food away from home" was unchanged in December 2018 and has increased by 3.5% over the last twelve (12) months.

In December 2018, "Food at home" and "Food away from home" as a group showed an increase in price of 0.8% compared to November 2018, and had an influence of 0.15 ppts on the CPI, while the remaining goods and services, as a group, experienced an increase in price of 0.2%, causing an effect of 0.17 ppts on the CPI.

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

Category	Weight	Monthly change	Effect
Food at home	1,125.3	1.0	0.15
Food away from home	367.5	0.0	0.00
Total group	1,492.8	0.8	0.15
Remaining goods and services	8,507.2	0.2	0.17
CPI	10,000.0	0.3	0.32

Source: Central Bureau of Statistics Aruba

Table 7 Percentage change for Food & catering services

	Indices	Weight coefficient	Indices			Percentage changes			Effect	
			Dec-17	Nov-18	Dec-18	Monthly Oct - Nov	Monthly Nov - Dec	End of period Dec 17 - Dec 18	Monthly Nov - Dec	End of period Dec 17 - Dec 18
Food & catering services		1,492.8	147.21	159.58	160.78	1.0	0.8	9.2	0.146	1.722
Food at home		1,125.3	149.57	164.37	165.96	1.3	1.0	11.0	0.146	1.568
Bread and cereals		205.2	134.85	143.77	143.11	1.1	-0.5	6.1	-0.011	0.144
Meat		229.8	146.10	157.21	158.30	0.1	0.7	8.4	0.020	0.238
Fish and other seafood		56.4	133.74	147.73	144.70	3.2	-2.0	8.2	-0.014	0.053
Milk, cheese and eggs		140.0	130.07	143.19	143.52	-0.3	0.2	10.3	0.004	0.160
Oils and fats		31.6	160.91	176.42	176.94	0.0	0.3	10.0	0.001	0.043
Fruit		72.0	278.25	352.55	354.89	5.6	0.7	27.5	0.014	0.469
Potatoes and other tubers		18.5	128.68	154.58	151.50	-1.2	-2.0	17.7	-0.005	0.036
Vegetables		75.7	186.84	202.11	223.79	3.1	10.7	19.8	0.134	0.238
Sugar, jam, honey and other confectionery		49.6	109.86	114.69	113.99	-0.6	-0.6	3.8	-0.003	0.017
Food products n.e.c.		82.7	138.05	144.69	144.87	-0.2	0.1	4.9	0.001	0.048
Non-alcoholic beverages		163.9	139.25	147.71	147.99	0.5	0.2	6.3	0.004	0.122
Food away from home		367.5	139.97	144.90	144.90	-0.2	0.0	3.5	0.000	0.154

Source: Central Bureau of Statistics Aruba

The subsistence level in December 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	Dec-17	Dec-18	Absolute Change
Food and non-alcoholic beverages	1,603	1,779	176
Clothing and footwear	245	262	17
Housing	1,361	1,376	15
Household operation	131	132	1
Health	70	77	7
Transport	250	260	10
Communications	127	143	16
Recreation and culture	180	188	8
Education	70	70	0
Miscellaneous goods and services	304	309	5
Total	4,340	4,596	256

Source: Central Bureau of Statistics Aruba

In December 2018 the monthly subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) (Afl. 4,596) showed an increase of Afl. 256 compared to December 2017 (Afl. 4,340) and was mainly caused by an increase of Afl. 176 in the sector "Food and non-alcoholic beverages".

Table 10: Monthly Subsistence level in Aruba (in Afl.) by family size and composition, December 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
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
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

Source: Central Bureau of Statistics Aruba

In December 2018, the monthly subsistence level for a single adult household is Afl 2,189, which represents an income deficit of Afl. 478, an increase of Afl. 122 compared to the deficit observed one year ago (Afl. 356). This deficit is the highest registered over a period of five (5) years for the month December.

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

Period	1 adult	Minimum	
		wage	Surplus/deficit
2014	2,110	1,637	-473
2015	2,097	1,637	-460
2016	2,088	1,678	-410
2017	2,067	1,711	-356
2018	2,189	1,711	-478

Source: Central Bureau of Statistics Aruba

APPENDIX 1

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

DESCRIPTION	WEIGHT coefficient	2017	2018	2018	Monthly	Ytd	End of period	Period average
		Dec	Nov	Dec	Nov - Dec	Dec - Dec	Dec 17 - Dec 18	Dec 17 - Dec 18
Food and non-alcoholic beverages	1,125.3	149.57	164.37	165.96	1.0	11.0	11.0	7.4
Food	961.4	151.33	167.21	169.02	1.1	11.7	11.7	7.9
Non-alcoholic beverages	163.9	139.25	147.71	147.99	0.2	6.3	6.3	4.3
Alcoholic beverages and tobacco	81.9	150.19	159.66	159.60	0.0	6.3	6.3	4.2
Alcoholic beverages for consumption at home	59.3	124.69	131.49	131.47	0.0	5.4	5.4	3.3
Tobacco	22.6	217.04	233.53	233.36	-0.1	7.5	7.5	5.5
Clothing and footwear	625.9	89.70	97.74	96.00	-1.8	7.0	7.0	1.4
Clothing	550.4	91.54	100.15	98.24	-1.9	7.3	7.3	1.4
Footwear	75.5	76.26	80.21	79.68	-0.7	4.5	4.5	1.5
Housing	2,553.3	130.01	131.36	131.53	0.1	1.2	1.2	0.8
Actual rentals for housing	854.2	155.13	157.60	157.83	0.1	1.7	1.7	1.7
Maintenance and repair of the dwelling	444.6	109.09	111.23	111.76	0.5	2.5	2.5	0.2
Water supply and miscellaneous services relating to the dwelling	505.7	119.95	120.06	120.06	0.0	0.1	0.1	0.0
Electricity, gas and other fuels	748.8	120.59	121.00	121.00	0.0	0.3	0.3	0.3
Household operation	741.3	96.43	97.96	96.99	-1.0	0.6	0.6	0.9
Furniture, furnishings, carpets and other floor coverings	142.1	58.76	55.49	54.30	-2.1	-7.6	-7.6	2.0
Household textiles	69.5	88.04	88.47	90.79	2.6	3.1	3.1	-5.8
Household appliances	111.3	65.38	65.90	62.41	-5.3	-4.5	-4.5	2.3
Glassware, tableware and household utensils	31.8	66.57	73.66	69.20	-6.0	4.0	4.0	1.8
Tools and equipment for house and garden	40.0	72.79	77.98	75.76	-2.8	4.1	4.1	3.3
Goods and services for routine household maintenance and cleaning	346.6	129.01	132.12	131.85	-0.2	2.2	2.2	1.3
Health	235.8	96.22	106.19	105.91	-0.3	10.1	10.1	6.6
Medical products, appliances and equipment	140.3	102.98	113.24	113.14	-0.1	9.9	9.9	7.0
Out-patient services	57.2	82.85	96.42	96.42	0.0	16.4	16.4	8.2
Other health products and services	38.3	91.46	94.99	93.60	-1.5	2.3	2.3	2.7
Transport	1,815.4	115.94	122.87	120.40	-2.0	3.8	3.8	7.0
Purchase of vehicles	811.4	107.75	114.01	114.01	0.0	5.8	5.8	4.7
Operation of personal transport equipment	840.1	123.68	137.33	130.89	-4.7	5.8	5.8	10.7
Transport services	163.8	116.77	92.63	98.29	6.1	-15.8	-15.8	-3.4
Communications	706.3	89.70	93.11	101.17	8.7	12.8	12.8	3.2
Postal services	6.1	118.02	126.22	126.22	0.0	6.9	6.9	3.5
Telephone and telefax equipment	29.6	33.87	31.86	25.16	-21.0	-25.7	-25.7	3.1
Telephone and telefax services	670.6	91.90	95.50	104.29	9.2	13.5	13.5	3.2
Recreation and culture	891.2	110.00	112.18	115.15	2.6	4.7	4.7	4.7
Audio-visual, photographic and information processing equipment	123.8	96.93	98.84	90.14	-8.8	-7.0	-7.0	22.0
Other major durables for recreation and culture	19.2	46.54	47.81	42.30	-11.5	-9.1	-9.1	1.8
Other recreational items and equipment; gardens and pets	260.1	134.11	135.00	136.24	0.9	1.6	1.6	-2.0
Recreational and cultural services	335.0	102.39	112.58	112.58	0.0	10.0	10.0	7.1
Newspapers, books and stationery	82.1	86.74	98.56	98.56	0.0	13.6	13.6	5.6
Holidays	71.0	124.51	83.10	132.50	59.5	6.4	6.4	1.5
Education	83.0	129.16	130.08	130.08	0.0	0.7	0.7	1.7
Pre primary and primary education	30.4	109.07	109.07	109.07	0.0	0.0	0.0	0.0
Secondary education	25.2	119.45	121.90	121.90	0.0	2.0	2.0	1.0
Post-secondary non-tertiary education	4.6	129.44	129.44	129.44	0.0	0.0	0.0	0.0
Tertiary education	10.4	201.98	201.98	201.98	0.0	0.0	0.0	6.2
Education not definable by level	12.4	136.91	138.11	138.11	0.0	0.9	0.9	1.9
Restaurants and hotels	373.7	139.29	144.15	144.15	0.0	3.5	3.5	2.7
Catering services	367.5	139.97	144.90	144.90	0.0	3.5	3.5	2.8
Accommodation services	6.2	99.14	99.76	99.76	0.0	0.6	0.6	0.5
Miscellaneous goods and services	767.0	102.73	104.91	104.52	-0.4	1.8	1.8	1.0
Personal care	262.0	118.12	120.64	120.37	-0.2	1.9	1.9	0.3
Personal effects n.e.c.	67.3	110.41	119.62	117.89	-1.4	6.8	6.8	8.0
Social protection	28.7	145.84	145.84	145.84	0.0	0.0	0.0	0.0
Insurance	289.1	85.46	85.46	85.46	0.0	0.0	0.0	0.0
Financial services n.e.c.	26.9	96.07	99.35	98.47	-0.9	2.5	2.5	0.8
Other services n.e.c.	93.0	96.07	99.35	98.47	-0.9	2.5	2.5	0.8
CPI	10,000	117.63	122.62	123.01	0.3	4.6	4.6	3.6

Source: Central Bureau of Statistics Aruba

APPENDIX 2

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

DESCRIPTION	WEIGHT coefficient	Monthly Nov - Dec	Ytd Dec - Dec	End of period Dec 17 - Dec 18	Period average Dec 17 - Dec 18
Food and non-alcoholic beverages	1,125.3	0.15	1.57	1.57	1.07
Food	961.4	0.14	1.45	1.45	0.98
Non-alcoholic beverages	163.9	0.00	0.12	0.12	0.08
Alcoholic beverages and tobacco	81.9	0.00	0.07	0.07	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	0.34	0.34	0.07
Clothing	550.4	-0.09	0.31	0.31	0.06
Footwear	75.5	0.00	0.02	0.02	0.01
Housing	2,553.3	0.03	0.33	0.33	0.23
Actual rentals for housing	854.2	0.02	0.20	0.20	0.20
Maintenance and repair of the dwelling	444.6	0.02	0.10	0.10	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	0.02
Household operation	741.3	-0.06	0.04	0.04	0.06
Furniture, furnishings, carpets and other floor coverings	142.1	-0.01	-0.05	-0.05	0.01
Household textiles	69.5	0.01	0.02	0.02	-0.03
Household appliances	111.3	-0.03	-0.03	-0.03	0.01
Glassware, tableware and household utensils	31.8	-0.01	0.01	0.01	0.00
Tools and equipment for house and garden	40.0	-0.01	0.01	0.01	0.01
Goods and services for routine household maintenance and cleaning	346.6	-0.01	0.08	0.08	0.05
Health	235.8	-0.01	0.19	0.19	0.13
Medical products, appliances and equipment	140.3	0.00	0.12	0.12	0.09
Out-patient services	57.2	0.00	0.07	0.07	0.03
Other health products and services	38.3	0.00	0.01	0.01	0.01
Transport	1,815.4	-0.37	0.69	0.69	1.22
Purchase of vehicles	811.4	0.00	0.43	0.43	0.35
Operation of personal transport equipment	840.1	-0.44	0.51	0.51	0.92
Transport services	163.8	0.08	-0.26	-0.26	-0.05
Communications	706.3	0.46	0.69	0.69	0.18
Postal services	6.1	0.00	0.00	0.00	0.00
Telephone and telefax equipment	29.6	-0.02	-0.02	-0.02	0.00
Telephone and telefax services	670.6	0.48	0.71	0.71	0.17
Recreation and culture	891.2	0.22	0.39	0.39	0.39
Audio-visual, photographic and information processing equipment	123.8	-0.09	-0.07	-0.07	0.19
Other major durables for recreation and culture	19.2	-0.01	-0.01	-0.01	0.00
Other recreational items and equipment; gardens and pets	260.1	0.03	0.05	0.05	-0.06
Recreational and cultural services	335.0	0.00	0.29	0.29	0.21
Newspapers, books and stationery	82.1	0.00	0.08	0.08	0.03
Holidays	71.0	0.29	0.05	0.05	0.01
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	0.01
Education not definable by level	12.4	0.00	0.00	0.00	0.00
Restaurants and hotels	373.7	0.00	0.15	0.15	0.12
Catering services	367.5	0.00	0.15	0.15	0.12
Accommodation services	6.2	0.00	0.00	0.00	0.00
Miscellaneous goods and services	767.0	-0.02	0.12	0.12	0.06
Personal care	262.0	-0.01	0.05	0.05	0.01
Personal effects n.e.c.	67.3	-0.01	0.04	0.04	0.05
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	-0.01	0.02	0.02	0.01
CPI	10,000	0.32	4.57	4.57	3.58

Source: Central Bureau of Statistics Aruba

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

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly Nov - Dec	End of period Dec 17 - Dec 18	Monthly Nov - Dec	End of period Dec 17 - Dec 18
Food & catering services	1,492.8	0.8	9.2	0.146	1.722
Food at home	1,125.3	1.0	11.0	0.146	1.568
Bread and cereals	205.2	-0.5	6.1	-0.011	0.144
Rice	18.8	-0.4	12.6	-0.001	0.030
Bread	98.1	-0.3	5.7	-0.004	0.067
Pasta products	7.6	0.1	4.4	0.000	0.003
Other cereals and cereal products	80.7	-0.7	5.0	-0.006	0.044
Meat	229.8	0.7	8.4	0.020	0.238
Bovine	44.7	-0.4	4.3	-0.002	0.023
Swine	28.1	-1.6	3.8	-0.005	0.012
Poultry	59.5	5.0	16.4	0.043	0.132
Other meat and meat preparations	97.5	-1.2	6.0	-0.015	0.071
Fish and other seafood	56.4	-2.0	8.2	-0.014	0.053
Fish and seafood preparations	56.4	-2.0	8.2	-0.014	0.053
Milk, cheese and eggs	140.0	0.2	10.3	0.004	0.160
Milk	58.8	0.1	11.9	0.001	0.090
Cheese	46.9	0.8	7.5	0.004	0.039
Eggs	14.3	-1.1	17.4	-0.001	0.019
Other milk products	19.9	0.0	7.3	0.000	0.012
Oils and fats	31.6	0.3	10.0	0.001	0.043
Butter and margarine	9.9	-0.2	14.1	0.000	0.020
Corn oil	9.4	0.2	9.2	0.000	0.013
Other oils and fats	12.3	0.8	6.8	0.001	0.010
Fruit	72.0	0.7	27.5	0.014	0.469
Oranges, lemons and mandarins	11.1	-0.6	8.3	-0.001	0.012
Bananas and plantains	13.8	1.9	36.7	0.006	0.085
Apples and pears	11.2	-1.4	10.7	-0.003	0.021
Grapes	6.0	-1.1	12.1	-0.001	0.012
Melons and watermelons	6.7	4.7	28.7	0.019	0.098
Nuts	6.9	0.9	5.2	0.001	0.003
Other fruits and fruit products	16.4	-0.8	37.8	-0.006	0.238
Potatoes and other tubers	18.5	-2.0	17.7	-0.005	0.036
Potatoes	11.2	-2.6	24.2	-0.005	0.034
Sweet potatoes and yucca	2.5	-1.5	9.4	0.000	0.002
Other tubers	4.8	0.6	-0.5	0.000	0.000
Vegetables	75.7	10.7	19.8	0.134	0.238
Lettuce	6.7	58.5	79.5	0.028	0.035
Celery and broccoli	6.3	23.2	27.3	0.035	0.042
Tomatoes & peppers	15.5	11.5	29.7	0.024	0.057
Onions	7.8	9.8	17.1	0.030	0.050
Frozen vegetable mixtures	6.7	0.7	6.3	0.001	0.005
Other vegetables	12.7	7.2	24.4	0.011	0.033
Other preserved or processed vegetables	20.0	1.6	5.1	0.005	0.016
Sugar, jam, honey and other confectionery	49.6	-0.6	3.8	-0.003	0.017
Sugar	14.4	-0.1	5.6	0.000	0.007
Jams and jellies	2.8	3.4	3.9	0.001	0.001
Other confectionery products	32.4	-1.2	3.0	-0.004	0.009
Food products n.e.c.	82.7	0.1	4.9	0.001	0.048
Other food products	82.7	0.1	4.9	0.001	0.048
Non-alcoholic beverages	163.9	0.2	6.3	0.004	0.122
Coffee and tea	30.1	1.3	10.0	0.004	0.028
Soft and sports drinks	49.7	-0.4	4.7	-0.002	0.027
Fruit juices	61.0	0.2	5.4	0.002	0.043
Other non-alcoholic beverages	23.1	0.2	8.3	0.000	0.023
Food away from home	367.5	0.0	3.5	0.000	0.154
Food and beverage consumption away from home	367.5	0.0	3.5	0.000	0.154
Other goods and services	8,507.2	0.2	3.5	0.173	2.850
Other goods	5,147.2	-1.4	3.4	-0.663	1.625
Other services	3,360.0	2.6	3.6	0.836	1.225
CPI	10,000	0.3	4.6	0.318	4.572

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	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	122.62	122.02	0.5	4.2	5.1	3.2	-0.4	-1.1	-0.9	-0.5
Low Income	120.81	121.09	127.17	126.55	0.5	4.8	5.3		-0.2	-1.0	-1.1	
High Income	114.67	115.16	120.37	119.78	0.5	4.0	5.0		-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	123.01	122.62	0.3	4.6	4.6	3.6	0.8	-0.3	-0.3	-0.5
Low Income	121.38	120.81	127.60	127.17	0.3	5.1	5.1		0.5	-0.5	-0.5	
High Income	115.77	114.67	120.74	120.37	0.3	4.3	4.3		1.0	-0.2	-0.2	

APPENDIX 5

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

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
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	57.91	34.52	35.72	45.93	12.50	265.65	137.05	214.60	194.20
December-18	49.09	34.52	35.72	45.93	12.50	265.65	137.05	199.40	181.00
Average 2018	65.08	34.52	35.72	45.93	12.50	265.65	137.05	204.95	177.59

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