

## Consumer Price Index, base period December 2006

### December 2016

*The Central Bureau of Statistics presents the most important findings for the Consumer Price Index (CPI) for the month of December 2016.*

The CPI for December 2016 is 118.00, an increase of 0.2% compared to the index of November 2016 (117.78).

The percentage change of the CPI over the last twelve (12) months (December 2015 to December 2016) is -0.3%, an increase of 0.6 percentage points (ppt) compared to the percentage change for the same period of last year (-0.9%).

The period average percentage change of the CPI for the period December 2015 - December 2016 is -0.9%, a decrease of 1.4 ppt compared to the period average percentage change over the period December 2014 - December 2015 (0.5%).

During this month, six (6) of the twelve (12) sectors registered increases in prices. The increases which had the greatest influence on the CPI were registered for the "Recreation and culture" (4.1%), "Clothing and footwear" (2.0%) and "Household operation" (1.3%), causing an effect of 0.33, 0.09 and 0.08 ppt, respectively. The increases in the remaining sectors had an effect of 0.04 ppt on the CPI of December 2016.

Aforementioned increases were partially offset mainly by a decrease in the index for the "Transport" (-1.7%) sector, which had an influence of -0.29 ppt on the CPI of December 2016. The decreases in the remaining sectors had an effect of -0.07 ppt on the CPI of December 2016.

The increase in the "Recreation and culture" sector was caused by an increase of 67.9% in the category "Holidays", which contributed to an effect of 0.36 ppt. The increase in the "Clothing and footwear" sector was mainly due to an increase in the category "Clothing" (1.8%), which contributed to an effect of 0.08 ppt. The increase in the "Household operation" sector was mainly due to an increase in the category "Furniture, furnishings, carpets and other floor coverings" (10.9%), which contributed to an effect of 0.08 ppt.

The decrease in the "Transport" sector was caused by a decrease of 4.1% in the category "Operation of personal transport equipment", which contributed to an effect of -0.34 ppt.

The consumption basket of the CPI consists of 452 goods and services. Compared to November 2016, 30.5% of these products had an increase in price, causing an effect of 0.86 ppt, while 28.8% showed a decrease, contributing to an effect of -0.67 ppt and the remaining 40.7% had no change in price. The prices of goods decreased by 0.4% and caused an influence of -0.25 ppt. The prices of services show an increase of 1.2% and had an influence of 0.44 ppt on the CPI of December 2016.

The CPIC (core inflation) - CPI excluding the effect of energy and food - was 0.7% in December 2016, which is 0.6 ppt lower compared to the percentage change for the same period of last year (1.3%). The energy index - which consists of the products: electricity, water, gasoline and diesel - is -7.0%, which is 4.0 ppt lower compared to the percentage change for the same period of last year (-3.0%). The food index shows a decrease of 0.1%, which is 2.0 ppt lower compared to the percentage change for the same period of last year (1.9%).

The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) in December 2016 is Afl. 4,379, while for a single adult household it is Afl. 2,085.

January 16, 2017



#### CPI (BASE DEC 2006 = 100)

Index	↑	118.00
Monthly	↑	0.2
Year-to-date	↓	-0.3
End of period	↓	-0.3
Period average	↓	-0.9
Goods	↓	-0.4
Services	↑	1.2

#### CPIC

CPIC	↑	0.7
Energy	↓	-7.0
Food	↓	-0.1

#### SUBSISTENCE LEVEL in AFL.

1 adult	↑	2,088
2 adults + 2 children	↑	4,385

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-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16
<i>Index</i>	118.41	117.12	116.88	116.51	116.54	116.97	117.44	117.82	117.17	117.35	117.61	117.78	118.00
<i>Monthly</i>	0.6	-1.1	-0.2	-0.3	0.0	0.4	0.4	0.3	-0.6	0.2	0.2	0.1	0.2
<i>Year-to-date</i>	-0.9	-1.1	-1.3	-1.6	-1.6	-1.2	-0.8	-0.5	-1.0	-0.9	-0.7	-0.5	-0.3
<i>End of period</i>	-0.9	-0.5	-0.6	-1.8	-1.6	-1.6	-0.8	-1.1	-1.4	-0.7	-0.1	0.03	-0.3
<i>Period average</i>	0.5	0.3	0.2	-0.02	-0.2	-0.5	-0.6	-0.8	-0.9	-1.0	-1.0	-0.9	-0.9
<i>Goods</i>	0.3	-1.4	-0.7	-0.5	0.5	0.4	0.4	0.1	-0.6	0.5	0.4	0.5	-0.4
<i>Services</i>	1.0	-0.6	0.7	0.01	-0.8	0.4	0.4	0.7	-0.5	-0.4	-0.1	-0.4	1.2
<i>CPIC</i>	1.3	1.3	1.2	1.1	1.0	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7
<i>Energy</i>	-3.0	-3.3	-3.5	-4.1	-4.6	-5.1	-5.7	-6.4	-7.2	-7.6	-7.3	-7.3	-7.0
<i>Food</i>	1.9	1.4	0.8	0.5	0.1	-0.04	-0.03	-0.3	-0.6	-0.8	-0.7	-0.4	-0.1
<i>1 adult</i>	2,097	2,080	2,071	2,059	2,057	2,062	2,069	2,068	2,060	2,065	2,079	2,085	2,088
<i>2 adults + 2 children</i>	4,404	4,368	4,348	4,325	4,320	4,331	4,344	4,342	4,326	4,336	4,365	4,379	4,385

Source: Central Bureau of Statistics Aruba

Table 2 Percentage change by sector

<i>Sector</i>	Weight coefficient	Effect Nov - Dec	Percentage changes			
			Monthly Nov - Dec	Year-to-date Dec - Dec	End of period Dec 15 - Dec 16	Period average Dec 15 - Dec 16
<b><i>CPI</i></b>	<b>10,000.0</b>	<b>0.19</b>	<b>0.2</b>	<b>-0.3</b>	<b>-0.3</b>	<b>-0.9</b>
<i>01. Food and non-alcoholic beverages</i>	1,125.3	-0.04	-0.3	0.8	0.8	-0.2
<i>02. Alcoholic beverages and tobacco</i>	81.9	0.00	-0.4	1.1	1.1	2.3
<i>03. Clothing and footwear</i>	625.9	0.09	2.0	-1.5	-1.5	0.9
<i>04. Housing</i>	2,553.3	0.03	0.1	-2.7	-2.7	-2.5
<i>05. Household operation</i>	741.3	0.08	1.3	3.0	3.0	-0.2
<i>06. Health</i>	235.8	0.00	0.1	3.4	3.4	1.2
<i>07. Transport</i>	1,815.4	-0.29	-1.7	0.6	0.6	-2.1
<i>08. Communications</i>	706.3	0.00	0.0	-0.4	-0.4	0.5
<i>09. Recreation and culture</i>	891.2	0.33	4.1	0.1	0.1	0.4
<i>10. Education</i>	83.0	0.01	0.7	3.8	3.8	1.8
<i>11. Restaurants and hotels</i>	373.7	0.00	0.0	0.8	0.8	1.4
<i>12. Miscellaneous goods and services</i>	767.0	-0.02	-0.4	-0.1	-0.1	0.4

Source: Central Bureau of Statistics Aruba

Table 3 Categories with the greatest positive effect on the CPI of November 2016

<i>Category</i>	Monthly change	Effect
<i>Holidays</i>	67.9	0.36
<i>Clothing</i>	1.8	0.08
<i>Furniture, furnishings, carpets and other floor coverings</i>	10.9	0.08
<i>Transport services</i>	4.0	0.05

Source: Central Bureau of Statistics Aruba

Table 4 Categories with the greatest negative effect on the CPI of November 2016

<i>Category</i>	Monthly change	Effect
<i>Operation of personal transport equipment</i>	-4.1	-0.34
<i>Food</i>		
<i>Audio-visual, photographic and information processing equipment</i>	-0.3	-0.04
<i>processing equipment</i>	-3.5	-0.03

Source: Central Bureau of Statistics Aruba

## Change in prices of crude oil, utilities, gasoline and diesel in December 2016

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In December 2016 the average price per barrel of crude oil (US\$ 51.34) had an increase of US\$ 5.72 (12.5%) compared to November 2016 (US\$ 45.63).

Fuel surcharge for a usage of electricity up to 500 kWh did not change in December 2016, it stayed at Afl. 21.90 cents per kWh. Fuel surcharge for a usage of electricity between 501 - 1000 kWh did not change in December 2016, it stayed at Afl. 27.80 cents per kWh. The prices of electricity and water did not change compared to November 2016. Subsequently, the average electricity price per household remained at Afl. 308.76, while the average price of water per household remained at Afl. 137.05.

In December 2016 the price of gasoline decreased by Afl. 9.30 cents (-5.3%) causing an effect of -0.27 ppts on the CPI. The price of diesel registered a decrease of Afl. 6.30 cents (-4.4%) and had an effect -0.01 ppt on the CPI of December 2016.

In December 2016, utilities, gasoline and diesel as a group show a decrease in price of 1.5% compared to November 2016, and had an influence of -0.28 ppts on the CPI, while the remaining 448 goods and services, as a group, experienced an increase of 0.6% in price, causing an effect of 0.47 ppts on the CPI.

Table 6 Effect on the CPI of December 2016 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	-5.3	-0.27
Water	437.4	0.0	0.00
Diesel	21.8	-4.4	-0.01
Total group	1,710.8	-1.5	-0.28
Remaining goods and services	8,289.2	0.6	0.47
CPI	10,000.0	0.2	0.19

Source: Central Bureau of Statistics Aruba

Table 5 Prices of crude oil, utilities, gasoline and diesel, 2015 - 2016

Month	2015							2016						
	Crude oil	Fuel surcharge ≤500 kWh	Fuel surcharge 501-1000 kWh	Electricity	Water	Gasoline	Diesel	Crude oil	Fuel surcharge ≤500 kWh	Fuel surcharge 501-1000 kWh	Electricity	Water	Gasoline	Diesel
January	48.21	30.52	32.56	342.59	137.05	168.80	152.50	32.65	21.90	27.80	308.76	137.05	160.00	121.50
February	50.64	30.52	32.56	342.59	137.05	161.70	141.90	30.19	21.90	27.80	308.76	137.05	152.30	115.40
March	47.79	30.52	32.56	342.59	137.05	177.40	155.50	37.47	21.90	27.80	308.76	137.05	148.20	116.80
April	52.90	30.52	32.56	342.59	137.05	180.90	150.40	40.19	21.90	27.80	308.76	137.05	161.80	123.90
May	58.97	30.52	32.56	342.59	137.05	189.40	153.10	46.59	21.90	27.80	308.76	137.05	168.00	127.10
June	59.91	30.52	32.56	342.59	137.05	196.20	160.60	48.95	21.90	27.80	308.76	137.05	173.80	136.70
July	51.82	30.52	32.56	342.59	137.05	204.30	157.30	45.24	21.90	27.80	308.76	137.05	175.20	140.30
August	42.55	30.52	32.56	342.59	137.05	200.60	149.00	44.54	21.90	27.80	308.76	137.05	168.30	134.40
September	45.78	30.52	32.56	342.59	137.05	182.40	140.40	45.31	21.90	27.80	308.76	137.05	172.10	136.80
October	46.07	30.52	32.56	342.59	137.05	168.20	139.50	49.92	21.90	27.80	308.76	137.05	169.80	137.20
November	42.48	30.52	32.56	342.59	137.05	165.00	138.40	45.63	21.90	27.80	308.76	137.05	175.10	144.80
December	37.34	30.52	32.56	342.59	137.05	162.00	135.00	51.35	21.90	27.80	308.76	137.05	165.80	138.50

Source: Central Bureau of Statistics Aruba

<sup>1</sup> Average West Texas Intermediate (WTI) crude oil price per barrel in US\$ (Source: U.S. Energy Information Administration)

<sup>2</sup> Fuel surcharge in Afl. cents per kWh

<sup>3</sup> Electricity price in Afl. is based on an average household usage of 725.5 kWh

<sup>4</sup> Water price in Afl. is based on an average household usage

<sup>5</sup> Gasoline and diesel prices in Afl. cents per liter

## Change in prices of Food & catering services in December 2016

The "Food & catering services" index shows a decrease of 0.2% in December 2016, after an increase of 0.6% in November 2016. The index for "Food at home" shows a decrease of 0.3% in December, as four (4) of the eleven (11) "Food at home" indices decreased in December 2016. The "Potatoes and other tubers" index registered the largest decrease (-4.1%) in December 2016. Furthermore, decreases were posted in the indices for "Vegetables" (-3.7%) and "Milk, cheese and eggs" (-0.3%). The "Fish and other seafood" index registered the largest increase (1.5%). Furthermore, increases of 0.5%, 0.3% and 0.1% were posted in the indices for "Food products n.e.c.", "Sugar, jam, honey and other confectionery" and "Bread and cereals", respectively.

Over the last twelve (12) months the "Food & catering services" index has increased by 0.8%. The "Food at home" index shows an increase of 0.8%. The "Fruit" index increased by 29.4%, the largest increase among the "Food at home" food groups, while the "Vegetables" index shows the largest decrease (-12.8%).

The index for "Food away from home" was unchanged in December 2016 after an increase of 0.1% in November 2016 and has increased by 0.8% over the last twelve (12) months.

In December 2016, "Food at home" and "Food away from home" as a group show a decrease in price of 0.2% compared to November 2016, and had an influence of -0.04 pts on the CPI, while the remaining goods and services, as a group, experienced an increase in price of 0.2%, causing an effect of 0.23 pts on the CPI.

Table 8 Effect on the CPI of December 2016 of Food at home and Food away from home

Category	Weight	Monthly change	Effect
Food at home	1,125.3	-0.3	-0.04
Food away from home	367.5	0.0	0.00
Total group	1,492.8	-0.2	-0.04
Remaining goods and services	8,507.2	0.3	0.23
CPI	10,000.0	0.2	0.19

Source: Central Bureau of Statistics Aruba

Table 7 Percentage change for Food & catering services

	Indices	Percentage changes						Effect		
		Weight coefficient	Dec-15	Nov-16	Dec-16	Monthly Oct - Nov	Monthly Nov - Dec	End of period Dec 15 - Dec 16	Monthly Nov - Dec	End of period Dec 15 - Dec 16
<b>Food &amp; catering services</b>		<b>1,492.8</b>	<b>145.39</b>	<b>146.90</b>	<b>146.58</b>	<b>0.6</b>	<b>-0.2</b>	<b>0.8</b>	<b>-0.04</b>	<b>0.15</b>
<b>Food at home</b>		<b>1,125.3</b>	<b>148.53</b>	<b>150.17</b>	<b>149.75</b>	<b>0.7</b>	<b>-0.3</b>	<b>0.8</b>	<b>-0.04</b>	<b>0.12</b>
Bread and cereals		205.2	133.70	133.93	134.04	0.0	0.1	0.3	0.00	0.01
Meat		229.8	149.22	143.85	143.73	0.9	-0.1	-3.7	0.00	-0.11
Fish and other seafood		56.4	133.67	132.15	134.14	-1.6	1.5	0.3	0.01	0.00
Milk, cheese and eggs		140.0	136.75	131.65	131.22	-0.1	-0.3	-4.0	-0.01	-0.07
Oils and fats		31.6	158.78	159.41	159.47	0.0	0.0	0.4	0.00	0.00
Fruit		72.0	238.50	308.57	308.66	5.8	0.0	29.4	0.00	0.43
Potatoes and other tubers		18.5	126.57	131.75	126.32	-2.5	-4.1	-0.2	-0.01	0.00
Vegetables		75.7	201.57	182.57	175.83	-0.8	-3.7	-12.8	-0.04	-0.16
Sugar, jam, honey and other confectionery		49.6	105.44	107.72	108.09	0.0	0.3	2.5	0.00	0.01
Food products n.e.c.		82.7	133.14	135.14	135.79	-0.2	0.5	2.0	0.00	0.02
Non-alcoholic beverages		163.9	138.63	137.60	137.65	0.1	0.0	-0.7	0.00	-0.01
<b>Food away from home</b>		<b>367.5</b>	<b>135.77</b>	<b>136.88</b>	<b>136.88</b>	<b>0.1</b>	<b>0.0</b>	<b>0.8</b>	<b>0.00</b>	<b>-0.5</b>

Source: Central Bureau of Statistics Aruba

## The subsistence level in December 2016

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		
	Dec-15	Dec-16	Change
Food and non-alcoholic beverages	1,592	1,605	13
Clothing and footwear	254	251	-3
Housing	1,446	1,408	-38
Household operation	129	133	4
Health	67	69	2
Transport	236	237	1
Communications	128	128	0
Recreation and culture	183	183	0
Education	64	66	2
Miscellaneous goods and services	305	305	0
<b>Total</b>	<b>4,404</b>	<b>4,385</b>	<b>-19</b>

Source: Central Bureau of Statistics Aruba

In December 2016 the monthly subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) (Afl. 4,385) shows a decrease of Afl. 19 compared to December 2015 (Afl. 4,404) and was mainly caused by a decrease of Afl. 38 in the sector "Housing".

Table 10: Monthly Subsistence level in Aruba (in Afl.) by family size and composition, December 2016 (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-15	2,097	2,727	3,146	3,775	4,404
Jan-16	2,080	2,704	3,120	3,744	4,368
Feb-16	2,071	2,692	3,106	3,727	4,348
Mar-16	2,059	2,677	3,089	3,707	4,325
Apr-16	2,057	2,674	3,086	3,703	4,320
May-16	2,062	2,681	3,093	3,712	4,331
Jun-16	2,069	2,689	3,103	3,723	4,344
Jul-16	2,068	2,688	3,102	3,722	4,342
Aug-16	2,060	2,678	3,090	3,708	4,326
Sep-16	2,065	2,684	3,097	3,716	4,336
Oct-16	2,079	2,702	3,118	3,742	4,365
Nov-16	2,085	2,711	3,128	3,753	4,379
Dec-16	2,088	2,714	3,132	3,758	4,385

Source: Central Bureau of Statistics Aruba

In December 2016 the monthly subsistence level for a single adult household is Afl 2,088, which represents an income deficit of Afl. 410, a decrease of Afl. 50 compared to the deficit observed one year ago (Afl. 460). This deficit is the second lowest registered over a period of five (5) years for the month December.

Tabel 11: Monthly income surplus/deficit (in Afl.) for a single adult household for December, 2012 - 2016

Period	Minimum		Surplus/deficit
	1 adult	wage	
2012	2,035	1,605	-430
2013	2,033	1,637	-396
2014	2,110	1,637	-473
2015	2,097	1,637	-460
2016	2,088	1,678	-410

Source: Central Bureau of Statistics Aruba

**APPENDIX 1**
**Monthly & Yearly Changes (%) in the Consumer Price Index for December 2016, Total Population (Dec 2006 = 100)**

DESCRIPTION	WEIGHT coefficient	2015	2016	2016	Monthly Nov - Dec	End of period Dec 15 - Dec 16	Period average Dec 15 - Dec 16
		2015 Dec	2016 Nov	2016 Dec			
<b>Food and non-alcoholic beverages</b>	<b>1,125.3</b>	<b>148.53</b>	<b>150.17</b>	<b>149.75</b>	<b>-0.3</b>	<b>0.8</b>	<b>-0.2</b>
Food	961.4	150.22	152.32	151.81	-0.3	1.1	-0.1
Non-alcoholic beverages	163.9	138.63	137.60	137.65	0.0	-0.7	-0.5
<b>Alcoholic beverages and tobacco</b>	<b>81.9</b>	<b>146.82</b>	<b>149.08</b>	<b>148.42</b>	<b>-0.4</b>	<b>1.1</b>	<b>2.3</b>
Alcoholic beverages for consumption at home	59.3	122.86	124.95	124.18	-0.6	1.1	2.3
Tobacco	22.6	209.63	212.32	211.98	-0.2	1.1	2.3
<b>Clothing and footwear</b>	<b>625.9</b>	<b>93.30</b>	<b>90.09</b>	<b>91.88</b>	<b>2.0</b>	<b>-1.5</b>	<b>0.9</b>
Clothing	550.4	95.61	92.03	93.66	1.8	-2.0	1.4
Footwear	75.5	76.47	75.97	78.85	3.8	3.1	-3.3
<b>Housing</b>	<b>2,553.3</b>	<b>138.19</b>	<b>134.38</b>	<b>134.52</b>	<b>0.1</b>	<b>-2.7</b>	<b>-2.5</b>
Actual rentals for housing	854.2	149.87	152.26	152.47	0.1	1.7	1.8
Maintenance and repair of the dwelling	444.6	108.99	107.66	108.05	0.4	-0.9	0.8
Water supply and miscellaneous services relating to the dwelling	505.7	119.95	119.95	119.95	0.0	0.0	0.0
Electricity, gas and other fuels	748.8	154.54	139.61	139.61	0.0	-9.7	-9.7
<b>Household operation</b>	<b>741.3</b>	<b>95.47</b>	<b>96.98</b>	<b>98.29</b>	<b>1.3</b>	<b>3.0</b>	<b>-0.2</b>
Furniture, furnishings, carpets and other floor coverings	142.1	54.75	58.07	64.38	10.9	17.6	4.1
Household textiles	69.5	102.40	101.72	106.60	4.8	4.1	-8.9
Household appliances	111.3	64.32	62.50	61.66	-1.3	-4.1	-7.7
Glassware, tableware and household utensils	31.8	63.66	68.23	67.59	-0.9	6.2	0.0
Tools and equipment for house and garden	40.0	74.25	70.38	70.56	0.3	-5.0	-11.0
Goods and services for routine household maintenance and cleaning	346.6	126.15	128.77	128.30	-0.4	1.7	2.7
<b>Health</b>	<b>235.8</b>	<b>92.18</b>	<b>95.27</b>	<b>95.35</b>	<b>0.1</b>	<b>3.4</b>	<b>1.2</b>
Medical products, appliances and equipment	140.3	96.91	101.45	101.69	0.2	4.9	2.1
Out-patient services	57.2	81.53	82.85	82.85	0.0	1.6	1.5
Other health products and services	38.3	90.76	91.21	90.82	-0.4	0.1	-2.6
<b>Transport</b>	<b>1,815.4</b>	<b>109.25</b>	<b>111.82</b>	<b>109.96</b>	<b>-1.7</b>	<b>0.6</b>	<b>-2.1</b>
Purchase of vehicles	811.4	107.49	108.44	108.44	0.0	0.9	-1.1
Operation of personal transport equipment	840.1	112.92	117.44	112.65	-4.1	-0.2	-3.9
Transport services	163.8	99.14	99.75	103.70	4.0	4.6	3.4
<b>Communications</b>	<b>706.3</b>	<b>90.36</b>	<b>90.04</b>	<b>90.03</b>	<b>0.0</b>	<b>-0.4</b>	<b>0.5</b>
Postal services	6.1	118.02	118.02	118.02	0.0	0.0	0.5
Telephone and telefax equipment	29.6	34.25	29.05	29.00	-0.2	-15.3	-11.8
Telephone and telefax services	670.6	92.58	92.47	92.47	0.0	-0.1	0.7
<b>Recreation and culture</b>	<b>891.2</b>	<b>111.74</b>	<b>107.48</b>	<b>111.85</b>	<b>4.1</b>	<b>0.1</b>	<b>0.4</b>
Audio-visual, photographic and information processing equipment	123.8	69.10	77.09	74.43	-3.5	7.7	10.1
Other major durables for recreation and culture	19.2	53.55	48.38	48.38	0.0	-9.7	10.0
Other recreational items and equipment; gardens and pets	260.1	138.54	140.99	140.73	-0.2	1.6	1.5
Recreational and cultural services	335.0	108.12	105.06	105.06	0.0	-2.8	-1.6
Newspapers, books and stationery	82.1	88.20	86.77	86.77	0.0	-1.6	-2.4
Holidays	71.0	148.01	89.04	149.51	67.9	1.0	-4.2
<b>Education</b>	<b>83.0</b>	<b>117.88</b>	<b>121.52</b>	<b>122.38</b>	<b>0.7</b>	<b>3.8</b>	<b>1.8</b>
Pre primary and primary education	30.4	109.07	109.07	109.07	0.0	0.0	0.0
Secondary education	25.2	119.45	119.45	119.45	0.0	0.0	1.2
Post-secondary non-tertiary education	4.6	129.44	129.44	129.44	0.0	0.0	0.0
Tertiary education	10.4	128.31	151.56	157.10	3.7	22.4	8.0
Education not definable by level	12.4	123.31	128.13	129.20	0.8	4.8	2.3
<b>Restaurants and hotels</b>	<b>373.7</b>	<b>135.15</b>	<b>136.25</b>	<b>136.25</b>	<b>0.0</b>	<b>0.8</b>	<b>1.4</b>
Catering services	367.5	135.77	136.88	136.88	0.0	0.8	1.4
Accommodation services	6.2	98.61	98.75	98.75	0.0	0.1	0.7
<b>Miscellaneous goods and services</b>	<b>767.0</b>	<b>103.19</b>	<b>103.49</b>	<b>103.11</b>	<b>-0.4</b>	<b>-0.1</b>	<b>0.4</b>
Personal care	262.0	119.11	120.13	119.68	-0.4	0.5	0.6
Personal effects n.e.c.	67.3	108.25	107.00	105.34	-1.6	-2.7	-3.6
Social protection	28.7	145.84	145.84	145.84	0.0	0.0	5.6
Insurance	289.1	85.40	85.46	85.46	0.0	0.1	0.2
Financial services n.e.c.	26.9	98.25	98.46	97.99	-0.5	-0.3	0.8
Other services n.e.c.	93.0	98.25	98.46	97.99	-0.5	-0.3	0.8
<b>CPI</b>	<b>10,000</b>	<b>118.41</b>	<b>117.78</b>	<b>118.00</b>	<b>0.2</b>	<b>-0.3</b>	<b>-0.9</b>

Source: Central Bureau of Statistics Aruba

## APPENDIX 2

## Effect on the Consumer Price Index per sector and category for December 2016 (Dec 2006 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly Nov - Dec	End of period Dec 15 - Dec 16	Period average Dec 15 - Dec 16
<b>Food and non-alcoholic beverages</b>	<b>1,125.3</b>	<b>-0.04</b>	<b>0.12</b>	<b>-0.02</b>
Food	961.4	-0.04	0.13	-0.01
Non-alcoholic beverages	163.9	0.00	-0.01	-0.01
<b>Alcoholic beverages and tobacco</b>	<b>81.9</b>	<b>0.00</b>	<b>0.01</b>	<b>0.02</b>
Alcoholic beverages for consumption at home	59.3	0.00	0.01	0.01
Tobacco	22.6	0.00	0.00	0.01
<b>Clothing and footwear</b>	<b>625.9</b>	<b>0.09</b>	<b>-0.08</b>	<b>0.04</b>
Clothing	550.4	0.08	-0.09	0.06
Footwear	75.5	0.02	0.02	-0.02
<b>Housing</b>	<b>2,553.3</b>	<b>0.03</b>	<b>-0.79</b>	<b>-0.73</b>
Actual rentals for housing	854.2	0.02	0.19	0.19
Maintenance and repair of the dwelling	444.6	0.01	-0.04	0.03
Water supply and miscellaneous services relating to the dwelling	505.7	0.00	0.00	0.00
Electricity, gas and other fuels	748.8	0.00	-0.94	-0.95
<b>Household operation</b>	<b>741.3</b>	<b>0.08</b>	<b>0.18</b>	<b>-0.01</b>
Furniture, furnishings, carpets and other floor coverings	142.1	0.08	0.12	0.03
Household textiles	69.5	0.03	0.02	-0.06
Household appliances	111.3	-0.01	-0.02	-0.05
Glassware, tableware and household utensils	31.8	0.00	0.01	0.00
Tools and equipment for house and garden	40.0	0.00	-0.01	-0.03
Goods and services for routine household maintenance and cleaning	346.6	-0.01	0.06	0.10
<b>Health</b>	<b>235.8</b>	<b>0.00</b>	<b>0.06</b>	<b>0.02</b>
Medical products, appliances and equipment	140.3	0.00	0.06	0.02
Out-patient services	57.2	0.00	0.01	0.01
Other health products and services	38.3	0.00	0.00	-0.01
<b>Transport</b>	<b>1,815.4</b>	<b>-0.29</b>	<b>0.11</b>	<b>-0.36</b>
Purchase of vehicles	811.4	0.00	0.07	-0.08
Operation of personal transport equipment	840.1	-0.34	-0.02	-0.33
Transport services	163.8	0.05	0.06	0.05
<b>Communications</b>	<b>706.3</b>	<b>0.00</b>	<b>-0.02</b>	<b>0.03</b>
Postal services	6.1	0.00	0.00	0.00
Telephone and telefax equipment	29.6	0.00	-0.01	-0.01
Telephone and telefax services	670.6	0.00	-0.01	0.03
<b>Recreation and culture</b>	<b>891.2</b>	<b>0.33</b>	<b>0.01</b>	<b>0.03</b>
Audio-visual, photographic and information processing equipment	123.8	-0.03	0.06	0.07
Other major durables for recreation and culture	19.2	0.00	-0.01	0.01
Other recreational items and equipment; gardens and pets	260.1	-0.01	0.05	0.04
Recreational and cultural services	335.0	0.00	-0.09	-0.05
Newspapers, books and stationery	82.1	0.00	-0.01	-0.01
Holidays	71.0	0.36	0.01	-0.03
<b>Education</b>	<b>83.0</b>	<b>0.01</b>	<b>0.03</b>	<b>0.01</b>
Pre primary and primary education	30.4	0.00	0.00	0.00
Secondary education	25.2	0.00	0.00	0.00
Post-secondary non-tertiary education	4.6	0.00	0.00	0.00
Tertiary education	10.4	0.00	0.03	0.01
Education not definable by level	12.4	0.00	0.01	0.00
<b>Restaurants and hotels</b>	<b>373.7</b>	<b>0.00</b>	<b>0.03</b>	<b>0.06</b>
Catering services	367.5	0.00	0.03	0.06
Accommodation services	6.2	0.00	0.00	0.00
<b>Miscellaneous goods and services</b>	<b>767.0</b>	<b>-0.02</b>	<b>-0.01</b>	<b>0.03</b>
Personal care	262.0	-0.01	0.01	0.02
Personal effects n.e.c.	67.3	-0.01	-0.02	-0.02
Social protection	28.7	0.00	0.00	0.02
Insurance	289.1	0.00	0.00	0.00
Financial services n.e.c.	26.9	0.00	0.00	0.00
Other services n.e.c.	93.0	0.00	0.00	0.01
<b>CPI</b>	<b>10,000</b>	<b>0.19</b>	<b>-0.34</b>	<b>-0.89</b>

Source: Central Bureau of Statistics Aruba

**APPENDIX 3**
**Monthly & Yearly Changes (%) and effect in the Food & catering services for December 2016, Total Population (Dec 2006 = 100)**

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly Nov - Dec	End of period Dec 15 - Dec 16	Monthly Nov - Dec	End of period Dec 15 - Dec 16
<b>Food &amp; catering services</b>	<b>1,492.8</b>	<b>-0.2</b>	<b>0.8</b>	<b>-0.04</b>	<b>0.15</b>
<b>Food at home</b>	<b>1,125.3</b>	<b>-0.3</b>	<b>0.8</b>	<b>-0.04</b>	<b>0.12</b>
<b>Bread and cereals</b>	<b>205.2</b>	<b>0.1</b>	<b>0.3</b>	<b>0.00</b>	<b>0.01</b>
Rice	18.8	0.4	2.6	0.00	0.01
Bread	98.1	-0.1	0.0	0.00	0.00
Pasta products	7.6	0.0	-0.8	0.00	0.00
Other cereals and cereal products	80.7	0.3	0.0	0.00	0.00
<b>Meat</b>	<b>229.8</b>	<b>-0.1</b>	<b>-3.7</b>	<b>0.00</b>	<b>-0.11</b>
Bovine	44.7	-0.5	-4.7	0.00	-0.03
Swine	28.1	0.4	-1.1	0.00	0.00
Poultry	59.5	-0.4	-5.7	0.00	-0.05
Other meat and meat preparations	97.5	0.2	-2.5	0.00	-0.03
<b>Fish and other seafood</b>	<b>56.4</b>	<b>1.5</b>	<b>0.3</b>	<b>0.01</b>	<b>0.00</b>
Fish and seafood preparations	56.4	1.5	0.3	0.01	0.00
<b>Milk, cheese and eggs</b>	<b>140.0</b>	<b>-0.3</b>	<b>-4.0</b>	<b>-0.01</b>	<b>-0.07</b>
Milk	58.8	-0.3	-5.7	0.00	-0.05
Cheese	46.9	-0.5	0.2	0.00	0.00
Eggs	14.3	0.0	-2.1	0.00	0.00
Other milk products	19.9	-0.1	-9.3	0.00	-0.02
<b>Oils and fats</b>	<b>31.6</b>	<b>0.0</b>	<b>0.4</b>	<b>0.00</b>	<b>0.00</b>
Butter and margarine	9.9	0.1	3.7	0.00	0.00
Corn oil	9.4	0.0	-0.5	0.00	0.00
Other oils and fats	12.3	0.0	-1.6	0.00	0.00
<b>Fruit</b>	<b>72.0</b>	<b>0.0</b>	<b>29.4</b>	<b>0.00</b>	<b>0.43</b>
Oranges, lemons and mandarins	11.1	-3.0	-10.3	0.00	-0.01
Bananas and plantains	13.8	-9.8	15.0	-0.03	0.04
Apples and pears	11.2	1.3	8.3	0.00	0.02
Grapes	6.0	-5.7	6.6	-0.01	0.01
Melons and watermelons	6.7	4.5	98.7	0.02	0.22
Nuts	6.9	0.4	1.4	0.00	0.00
Other fruits and fruit products	16.4	2.7	31.8	0.02	0.17
<b>Potatoes and other tubers</b>	<b>18.5</b>	<b>-4.1</b>	<b>-0.2</b>	<b>-0.01</b>	<b>0.00</b>
Potatoes	11.2	-5.9	0.1	-0.01	0.00
Sweet potatoes and yucca	2.5	-0.6	-1.0	0.00	0.00
Other tubers	4.8	0.7	-0.8	0.00	0.00
<b>Vegetables</b>	<b>75.7</b>	<b>-3.7</b>	<b>-12.8</b>	<b>-0.04</b>	<b>-0.16</b>
Lettuce	6.7	-18.8	-61.0	-0.01	-0.06
Celery and broccoli	6.3	2.1	-29.1	0.00	-0.05
Tomatoes & peppers	15.5	-8.0	7.4	-0.02	0.01
Onions	7.8	-7.9	-22.3	-0.02	-0.07
Frozen vegetable mixtures	6.7	0.1	6.0	0.00	0.00
Other vegetables	12.7	0.6	-1.4	0.00	0.00
Other preserved or processed vegetables	20.0	0.0	1.7	0.00	0.01
<b>Sugar, jam, honey and other confectionery</b>	<b>49.6</b>	<b>0.3</b>	<b>2.5</b>	<b>0.00</b>	<b>0.01</b>
Sugar	14.4	0.0	5.9	0.00	0.01
Jams and jellies	2.8	0.1	0.0	0.00	0.00
Other confectionery products	32.4	0.5	1.5	0.00	0.00
<b>Food products n.e.c.</b>	<b>82.7</b>	<b>0.5</b>	<b>2.0</b>	<b>0.00</b>	<b>0.02</b>
Other food products	82.7	0.5	2.0	0.00	0.02
<b>Non-alcoholic beverages</b>	<b>163.9</b>	<b>0.0</b>	<b>-0.7</b>	<b>0.00</b>	<b>-0.01</b>
Coffee and tea	30.1	0.3	-13.7	0.00	-0.05
Soft and sports drinks	49.7	0.0	5.1	0.00	0.03
Fruit juices	61.0	0.0	0.8	0.00	0.01
Other non-alcoholic beverages	23.1	0.0	-0.4	0.00	0.00
<b>Food away from home</b>	<b>367.5</b>	<b>0.0</b>	<b>0.8</b>	<b>0.00</b>	<b>0.03</b>
Food and beverage consumption away from home	367.5	0.0	0.8	0.00	0.03
<b>Other goods and services</b>	<b>8,507.2</b>	<b>0.3</b>	<b>-0.6</b>	<b>0.23</b>	<b>-0.49</b>
Other goods	5,147.2	-0.4	-1.4	-0.21	-0.68
Other services	3,360.0	1.3	0.6	0.44	0.19
<b>CPI</b>	<b>10,000</b>	<b>0.2</b>	<b>-0.3</b>	<b>0.19</b>	<b>-0.34</b>

Source: Central Bureau of Statistics Aruba