

Consumer Price Index, base period June 2019

December 2019

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

Consumer Price Index for the month of December 2019

The CPI for December 2019 is 101.66, an increase of 1.1% compared to the index of November 2019 (100.53) and accumulating an increase of 5.2% up to and including December of 2019.

The percentage change of the CPI over the last twelve (12) months (December 2018 to December 2019) is 5.2, an increase of 0.7 ppts compared to the percentage change for the same period of last year (4.5%).

The period average percentage change of the CPI for the period December 2018 - December 2019 is 4.3%, an increase of 0.7 ppts compared to the period average percentage change over the period December 2017 - December 2018 (3.6%).

During this month, eight (8) of the twelve (12) sectors registered increases in prices. The increases that had the greatest influence on the CPI were registered for the "Recreation and culture" (5.8%) and "Transport" (2.7%) sectors, which contributed with an effect of 0.53 and 0.34 ppts, respectively. The increases in the remaining sectors had an effect of 0.34 ppts on the CPI of December 2019.

Aforementioned increases were partially offset mainly by decreases in the indices for the "Miscellaneous goods and services" (-0.5%) and "Health" (-1.1%) sectors, causing an effect of -0.05 and -0.02 ppts, respectively. The decrease in the remaining sector had an insignificant effect on the CPI of December 2019.

The increase in the "Recreation and culture" sector was mainly due to an increase in the category "Holidays" (18.7%), which contributed to an effect of 0.45 ppts. The increase in the "Transport" sector was mainly caused by an increase of 5.9% in the category "Purchase of vehicles", which contributed to an effect of 0.24 ppts.

The decrease in the "Miscellaneous goods and services" sector was mainly due to a decrease in the category "Personal effects n.e.c." (-4.6%), which contributed to an effect of -0.06 ppts. The decrease in the "Health" sector was caused by a decrease of 1.6% in the category "Medical products, appliances and equipment", which contributed to an effect of -0.02 ppts.

Consumption basket

The consumption basket of the CPI consists of 408 goods and services. Compared to November 2019, 40.0% of these products had an increase in price, causing an effect of 1.79 ppts, while 37.7% showed a decrease, contributing to an effect of -0.67 ppts and the remaining 22.3% had no change in price. The prices of goods increased by 0.6% and caused an influence of 0.36 ppts. The prices of services showed an increase of 1.9% and had an influence of 0.77 ppts on the CPI of December 2019.

Core inflation

The CPIC (core inflation) - CPI excluding the effect of energy and food - was 3.5% in December 2019. The energy index - which consists of the products: electricity, water, gasoline and diesel - was -0.3%. The food index showed an increase of 13.2%.

Subsistence level

The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) in December 2019 is Afl. 5,013, an increase of Afl. 301 compared to December 2018 (Afl. 4,712). The subsistence level for a single adult household is Afl. 2,387, an increase of Afl. 143 compared to December 2018 (Afl. 2,244).

January 27, 2020



CPI (BASE JUN 2019 = 100)

Index	↑	101.66
Monthly	↑	1.1
Year-to-date	↑	5.2
End of period	↑	5.2
Period average	↑	4.3
Goods	↑	0.6
Services	↑	1.9

CPIC

CPIC	↑	3.5
Energy	↓	-0.3
Food	↑	13.2

SUBSISTENCE LEVEL in AFL.

1 adult	↓	2,387
2 adults + 2 children	↓	5,013

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-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Index	96.67	96.25	96.66	98.00	98.83	99.19	100.00	100.06	99.80	100.00	100.49	100.53	101.66
Monthly	0.7	-0.4	0.4	1.4	0.8	0.4	0.8	0.1	-0.3	0.2	0.5	0.04	1.1
Year-to-date	4.5	-0.4	0.0	1.4	2.2	2.6	3.4	3.5	3.2	3.4	3.9	4.0	5.2
End of period	4.5	3.6	3.0	3.5	4.5	4.5	4.8	3.7	4.0	4.4	5.0	4.8	5.2
Period average	3.6	3.8	3.9	3.9	4.1	4.2	4.3	4.2	4.1	4.1	4.2	4.2	4.3
Goods	-0.2	0.2	0.3	2.3	0.5	1.3	0.7	-0.3	0.1	0.1	0.0	-0.4	0.6
Services	2.1	-1.3	0.5	0.1	1.3	-1.0	1.0	0.6	-0.7	0.4	1.2	0.7	1.9
CPIC	1.9	2.1	2.3	2.4	2.6	2.9	3.1	3.0	3.0	3.0	3.2	3.4	3.5
Energy	3.8	3.7	3.4	3.3	3.1	2.9	2.5	1.9	1.4	0.8	0.3	-0.2	-0.3
Food	12.2	13.2	12.8	12.7	12.6	12.4	12.4	12.5	12.8	13.1	13.5	13.5	13.2
1 adult	2,244	2,255	2,264	2,317	2,338	2,361	2,384	2,379	2,372	2,377	2,382	2,375	2,387
2 adults + 2 children	4,712	4,735	4,754	4,867	4,909	4,957	5,005	4,997	4,981	4,992	5,002	4,987	5,013

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 18 - Dec 19	Period average Dec 18 - Dec 19
CPI	10,000.0	1.13	1.1	5.2	5.2	4.3
01. Food and non-alcoholic beverages	1,087.7	0.00	0.01	10.7	10.7	12.8
02. Alcoholic beverages and tobacco	78.2	0.00	-0.2	14.8	14.8	14.6
03. Clothing and footwear	276.8	0.00	0.2	9.4	9.4	5.4
04. Housing	2,522.2	0.15	0.6	1.2	1.2	1.2
05. Household operation	929.2	0.09	1.3	2.7	2.7	0.2
06. Health	223.1	-0.02	-1.1	-1.7	-1.7	2.6
07. Transport	1,257.4	0.34	2.7	4.5	4.5	1.1
08. Communications	849.6	0.00	0.01	-0.05	-0.05	8.7
09. Recreation and culture	1,013.3	0.53	5.8	16.6	16.6	3.9
10. Education	98.0	0.00	0.0	0.0	0.0	0.2
11. Restaurants and hotels	442.0	0.09	1.8	5.1	5.1	4.0
12. Miscellaneous goods and services	1,222.6	-0.05	-0.5	3.3	3.3	3.1

Source: Central Bureau of Statistics Aruba

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

Category	Monthly change	Effect
Holidays	18.7	0.45
Purchase of vehicles	5.9	0.24
Water supply and miscellaneous services relating to the dwelling	3.2	0.14
Household appliances	9.5	0.13
Audio-visual, photographic and information processing equipment	24.9	0.08

Source: Central Bureau of Statistics Aruba

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

Category	Monthly change	Effect
Personal effects n.e.c.	-4.6	-0.06
Footwear	-7.0	-0.03
Household textiles	-7.0	-0.02
Medical products, appliances and equipment	-1.6	-0.02

Source: Central Bureau of Statistics Aruba

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

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In December 2019 the average price per barrel of crude oil (US\$ 59.73) had an increase of US\$ 2.99 (5.3%) compared to November 2019 (US\$ 56.74).

The total energy charge per kWh for the usage of electricity up to 500 kWh did not change in December 2019, it stayed at Afl. 34.52 cents per kWh. The total energy charge per kWh for the usage of electricity between 501 - 1000 kWh did not change in December 2019, it stayed at Afl. 35.72 cents per kWh. Additionally, the total energy charge per kWh for the usage of electricity above 1000 kWh did not change in December 2019, it stayed at Afl. 45.93 cents per kWh. The prices of electricity and water did not change compared to November 2019. Subsequently, the average electricity price per household remained at Afl. 265.65, while the average price of water per household remained at Afl. 137.05.

In December 2019 the price of gasoline registered an increase of Afl. 0.40 cents (0.2%) and had an effect of 0.01 ppt on the CPI. The price of diesel registered a decrease of Afl. 2.10 cents (-1.2%) and had an insignificant effect on the CPI of December 2019.

In December 2019, utilities, gasoline and diesel as a group showed a slight increase in price of 0.03% compared to November 2019, and had an insignificant influence on the CPI, while the remaining 404 goods and services, as a group, experienced an increase of 1.3% in price, causing an effect of 1.12 pts on the CPI.

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

Category	Weight	Monthly change	Effect
Electricity	810.2	0.0	0.00
Gasoline	430.5	0.2	0.01
Water	367.3	0.0	0.00
Diesel	30.2	-1.2	0.00
Total group	1,638.1	0.03	0.00
Remaining goods and services	8,361.9	1.3	1.12
CPI	10,000.0	1.1	1.13

Source: Central Bureau of Statistics Aruba

Table 5 Prices of crude oil, utilities, gasoline and diesel, 2018 - 2019

Month	2018							2019						
	Crude oil	Total energy charge ≤ 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	63.38	34.52	35.72	265.65	137.05	186.80	161.90	50.65	34.52	35.72	265.65	137.05	188.50	165.10
March	62.59	34.52	35.72	265.65	137.05	194.30	168.30	54.45	34.52	35.72	265.65	137.05	189.40	170.20
March	62.82	34.52	35.72	265.65	137.05	193.20	165.00	57.84	34.52	35.72	265.65	137.05	197.70	177.30
April	66.14	34.52	35.72	265.65	137.05	195.50	164.60	63.89	34.52	35.72	265.65	137.05	197.70	181.10
May	70.31	34.52	35.72	265.65	137.05	202.50	172.00	60.89	34.52	35.72	265.65	137.05	209.50	185.00
June	67.77	34.52	35.72	265.65	137.05	208.90	179.70	54.66	34.52	35.72	265.65	137.05	209.50	183.70
July	71.16	34.52	35.72	265.65	137.05	214.80	184.70	57.28	34.52	35.72	265.65	137.05	208.00	174.20
August	68.25	34.52	35.72	265.65	137.05	217.10	184.60	55.17	34.52	35.72	265.65	137.05	215.10	177.20
September	70.15	34.52	35.72	265.65	137.05	215.90	185.00	57.03	34.52	35.72	265.65	137.05	204.50	172.80
October	71.44	34.52	35.72	265.65	137.05	216.40	190.10	53.77	34.52	35.72	265.65	137.05	205.10	178.40
November	57.91	34.52	35.72	265.65	137.05	214.60	194.20	56.74	34.52	35.72	265.65	137.05	203.30	177.70
December	49.09	34.52	35.72	265.65	137.05	199.40	181.00	59.73	34.52	35.72	265.65	137.05	203.70	175.60
Yearly Average	65.08	34.52	35.72	265.65	137.05	204.95	177.59	56.84	34.52	35.72	265.65	137.05	202.67	176.53

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 2019

The "Food & catering services" index showed an increase of 0.2% in December 2019, after a decrease of 0.4% in November 2019. The index for "Food at home" showed a slight increase of 0.01% in December, as six (6) of the eleven (11) "Food at home" indices increased in December 2019. The "Food products n.e.c." index registered the largest increase (0.5%) in December 2019. Furthermore, increases were posted in the indices for "Milk, cheese and eggs" (0.4%), and "Meat" (0.3).

The "Potatoes and other tubers" (-4.8%) index registered the largest decrease in December 2019. Other decreases were registered for the indices of "Oils and fats" (-0.8%), "Fish and other seafood" (-0.2%) and "Bread and cereals" (-0.2%).

Over the last twelve (12) months, the "Food & catering services" has increased by 9.2%. The "Food at home" index showed an increase of 10.7%. The "Fruit" index increased by 30.5%, the largest increase among the "Food at home" food groups.

The index for "Food away from home" registered an increase of 0.9% in December 2019 and has increased by 4.5% over the last twelve (12) months.

In December 2019, "Food at home" and "Food away from home" as a group showed an increase in price of 0.2% compared to November 2019, and had an influence of 0.05 ppts on the CPI, while the remaining goods and services, as a group, experienced an increase in price of 1.4%, causing an effect of 1.08 ppts on the CPI.

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

Category	Weight	Monthly change	Effect
<i>Food at home</i>	1,087.7	0.01	0.00
<i>Food away from home</i>	429.8	0.9	0.04
<i>Total group</i>	1,517.5	0.2	0.05
<i>Remaining goods and services</i>	8,482.5	1.4	1.08
<i>CPI</i>	10,000.0	1.1	1.13

Source: Central Bureau of Statistics Aruba

Table 7 Percentage change for Food & catering services

	Weight coefficient	Indices			Percentage changes			Effect	
		Dec-18	Nov-19	Dec-19	Monthly Oct - Nov	Monthly Nov - Dec	End of period Dec 18 - Dec 19	Monthly Nov - Dec	End of period Dec 18 - Dec 19
Food & catering services	1,517.5	135.11	147.25	147.55	-0.4	0.2	9.2	0.046	1.954
Food at home	1,087.7	143.00	158.30	158.32	-0.7	0.01	10.7	0.002	1.724
<i>Bread and cereals</i>	178.1	116.25	119.87	119.66	-1.3	-0.2	2.9	-0.004	0.063
<i>Meat</i>	242.5	120.76	125.88	126.28	-0.1	0.3	4.6	0.010	0.138
<i>Fish and other seafood</i>	49.0	106.18	113.84	113.63	0.0	-0.2	7.0	-0.001	0.038
<i>Milk, cheese and eggs</i>	135.3	119.25	128.09	128.55	0.7	0.4	7.8	0.006	0.130
<i>Oils and fats</i>	32.2	138.18	151.92	150.77	0.3	-0.8	9.1	-0.004	0.042
<i>Fruit</i>	97.6	348.04	454.10	454.15	-3.0	0.0	30.5	0.000	1.071
<i>Potatoes and other tubers</i>	18.2	123.81	141.59	134.86	-0.8	-4.8	8.9	-0.012	0.021
<i>Vegetables</i>	89.1	185.52	184.06	184.00	2.4	0.0	-0.8	0.000	-0.014
<i>Sugar, jam, honey and other confectionery</i>	42.0	93.36	100.60	100.73	0.2	0.1	7.9	0.001	0.032
<i>Food products n.e.c.</i>	80.1	106.95	116.04	116.61	-0.6	0.5	9.0	0.005	0.080
<i>Non-alcoholic beverages</i>	123.6	117.49	126.97	127.08	-0.2	0.1	8.2	0.001	0.018
Food away from home	429.8	115.14	119.28	120.31	0.7	0.9	4.5	0.044	0.230
Other goods and services	8,482.5	89.80	92.17	93.45	0.2	1.4	4.1	1.080	3.208
<i>Other goods</i>	4,735.8	87.86	90.18	90.93	-0.2	0.8	3.5	0.356	1.508
<i>Other services</i>	3,746.7	92.25	94.69	96.63	0.6	2.1	4.8	0.724	1.700
CPI	10,000.0	96.67	100.53	101.66	0.04	1.1	5.2	1.126	5.162

Source: Central Bureau of Statistics Aruba

The subsistence level in December 2019

The subsistence level is the minimum level of income which is perceived necessary to achieve an adequate standard of living in a given country. The subsistence level is usually determined by estimating the cost of all the essential resources that an average adult consumes in one month or year. This is commonly called a basic needs index, and varies according to the price of food, clothing, housing, transport and other items in the "basket". Equivalent scales are used to adjust the assumed standard of living, of households of different sizes and composition. The scale assigns a weight of 1.0 for the first adult and 0.5 for each additional adult in the household (aged 15+) and a weight of 0.3 for each child (aged 0-14 years). The subsistence level is based on figures of the report "Bestaansminimum 2010" published by the CBS in December 2010 and is monthly updated for inflation using the monthly CPI. The reference unit used in this report is a household consisting of two (2) adults and two (2) children (aged 0-14 years).

Table 9 Monthly subsistence level in Aruba (in Afl.) by sector for a family of 2 adults and 2 children (aged 0-14 years)

Sector	Absolute		
	Dec-18	Dec-19	Change
Food and non-alcoholic beverages	1,935	2,142	207
Clothing and footwear	263	288	25
Housing	1,347	1,363	16
Household operation	128	132	4
Health	78	77	-1
Transport	265	277	12
Communications	140	139	-1
Recreation and culture	169	197	28
Education	75	75	0
Miscellaneous goods and services	313	323	10
Total	4,712	5,013	301

Source: Central Bureau of Statistics Aruba

In December 2019 the monthly subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-14 years) (Afl. 5,013) showed an increase of Afl. 301 compared to December 2018 (Afl. 4,712) and was mainly caused by an increase of Afl. 207 in the sector "Food and non-alcoholic beverages".

Table 10 Monthly Subsistence level in Aruba (in Afl.) by family size and composition, December 2019 (Base period Oct. 2010)

Period	Equivalence scales				
	1	1.3	1.5	1.8	2.1
	1 adult	1 adult + 1 child	2 adults	2 adults + 1 child	2 adults + 2 children
Dec-18	2,244	2,917	3,366	4,039	4,712
Jan-19	2,255	2,931	3,382	4,058	4,735
Feb-19	2,264	2,943	3,396	4,075	4,754
Mar-19	2,317	3,013	3,476	4,171	4,867
Apr-19	2,338	3,039	3,507	4,208	4,909
May-19	2,361	3,069	3,541	4,249	4,957
Jun-19	2,384	3,099	3,575	4,290	5,005
Jul-19	2,379	3,093	3,569	4,283	4,997
Aug-19	2,372	3,084	3,558	4,270	4,981
Sep-19	2,377	3,090	3,566	4,279	4,992
Oct-19	2,382	3,096	3,573	4,287	5,002
Nov-19	2,375	3,087	3,562	4,274	4,987
Dec-19	2,387	3,103	3,581	4,297	5,013

Source: Central Bureau of Statistics Aruba

In December 2019, the monthly subsistence level for a single adult household is Afl 2,387, which represents an income deficit of Afl. 625, an increase of Afl. 92 compared to the deficit observed one year ago (Afl. 533). This deficit is the highest 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, 2015 - 2019

Period	Minimum		Surplus/deficit
	1 adult	wage	
2015	2,097	1,637	-460
2016	2,077	1,678	-399
2017	2,101	1,711	-390
2018	2,244	1,711	-533
2019	2,387	1,762	-625

Source: Central Bureau of Statistics Aruba

APPENDIX 1

Monthly & Yearly Changes (%) in the Consumer Price Index for December 2019, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	2018 Dec	2019 Nov	2019 Dec	Monthly Nov - Dec	Ytd Dec - Dec	End of period Dec 18 - Dec 19
Food and non-alcoholic beverages	1,087.7	143.00	158.30	158.32	0.01	10.7	10.7
Food	964.1	146.27	162.31	162.32	0.0	11.0	11.0
Non-alcoholic beverages	123.6	117.49	126.97	127.08	0.1	8.2	8.2
Alcoholic beverages and tobacco	78.2	115.87	133.26	133.04	-0.2	14.8	14.8
Alcoholic beverages for consumption at home	62.2	96.42	115.15	114.88	-0.2	19.1	19.1
Tobacco	16.0	191.41	203.62	203.61	0.0	6.4	6.4
Clothing and footwear	276.8	76.46	83.50	83.63	0.2	9.4	9.4
Clothing	212.8	79.88	87.65	89.29	1.9	11.8	11.8
Footwear	64.0	65.09	69.71	64.80	-7.0	-0.4	-0.4
Housing	2,522.2	101.94	102.60	103.19	0.6	1.2	1.2
Actual rentals for housing	666.7	125.41	127.13	127.28	0.1	1.5	1.5
Imputed rentals for housing	34.4	104.51	105.29	105.29	0.0	0.7	0.7
Maintenance and repair of the dwelling	517.0	86.82	87.80	87.75	-0.1	1.1	1.1
Water supply and miscellaneous services relating to the dwelling	463.6	95.30	95.30	98.34	3.2	3.2	3.2
Electricity, gas and other fuels	840.4	96.16	96.16	96.16	0.0	0.0	0.0
Household operation	929.2	74.94	75.97	76.96	1.3	2.7	2.7
Furniture, furnishings, carpets and other floor coverings	128.8	43.47	38.89	37.81	-2.8	-13.0	-13.0
Household textiles	58.6	65.15	61.05	56.79	-7.0	-12.8	-12.8
Household appliances	246.0	49.35	54.08	59.20	9.5	20.0	20.0
Glassware, tableware and household utensils	17.2	59.81	63.53	63.13	-0.6	5.6	5.6
Tools and equipment for house and garden	58.2	51.02	49.96	48.86	-2.2	-4.2	-4.2
Goods and services for routine household maintenance and cleaning	420.5	104.84	106.33	106.60	0.3	1.7	1.7
Health	223.1	85.40	84.87	83.93	-1.1	-1.7	-1.7
Medical products, appliances and equipment	152.3	89.37	89.18	87.78	-1.6	-1.8	-1.8
Out-patient services	52.4	77.72	77.72	77.72	0.0	0.0	0.0
Other treatments	7.8	74.38	76.07	76.36	0.4	2.7	2.7
Health products and services n.e.c.	10.5	74.38	64.67	64.78	0.2	-12.9	-12.9
Transport	1,257.4	97.47	99.15	101.85	2.7	4.5	4.5
Purchase of vehicles	442.6	90.24	90.32	95.69	5.9	6.0	6.0
Operation of personal transport equipment	763.3	103.17	104.68	105.21	0.5	2.0	2.0
Transport services	51.5	75.09	93.05	105.11	13.0	40.0	40.0
Communications	849.6	77.94	77.89	77.90	0.0	0.0	0.0
Telephone and telefax equipment	43.8	17.07	16.17	16.36	1.1	-4.2	-4.2
Telephone and telefax services	805.8	81.25	81.25	81.25	0.0	0.0	0.0
Recreation and culture	1,013.3	81.77	90.13	95.35	5.8	16.6	16.6
Audio-visual, photographic and information processing equipment	58.5	58.47	57.75	72.13	24.9	23.4	23.4
Other major durables for recreation and culture	20.0	33.19	42.48	38.43	-9.5	15.8	15.8
Other recreational items and equipment; gardens and pets	266.6	114.53	120.12	120.07	0.0	4.8	4.8
Recreational and cultural services	309.1	89.04	88.52	88.54	0.0	-0.6	-0.6
Newspapers, books and stationery	43.7	75.38	76.23	75.57	-0.9	0.3	0.3
Holidays	315.4	55.25	77.32	91.78	18.7	66.1	66.1
Education	98.0	109.30	109.30	109.30	0.0	0.0	0.0
Pre primary and primary education	24.0	86.66	86.66	86.66	0.0	0.0	0.0
Secondary education	43.4	94.62	94.62	94.62	0.0	0.0	0.0
Post-secondary non-tertiary education	4.6	102.85	102.85	102.85	0.0	0.0	0.0
Tertiary education	23.6	160.49	160.49	160.49	0.0	0.0	0.0
Education not definable by level	2.5	109.74	109.74	109.74	0.0	0.0	0.0
Restaurants and hotels	442.0	114.15	117.89	119.96	1.8	5.1	5.1
Catering services	429.8	115.14	119.28	120.31	0.9	4.5	4.5
Accommodation services	12.2	79.27	69.05	107.74	56.0	35.9	35.9
Miscellaneous goods and services	1,222.6	83.74	86.94	86.51	-0.5	3.3	3.3
Personal care	427.1	98.30	101.00	101.09	0.1	2.8	2.8
Personal effects n.e.c.	106.6	86.74	112.63	107.40	-4.6	23.8	23.8
Social protection	78.2	115.39	115.39	115.39	0.0	0.0	0.0
Insurance	610.7	68.97	68.97	68.97	0.0	0.0	0.0
CPI	10,000.0	96.67	100.53	101.66	1.1	5.2	5.2

Source: Central Bureau of Statistics Aruba

APPENDIX 2

Effect on the Consumer Price Index per sector and category for December 2019 (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly Nov - Dec	Ytd Dec - Dec	End of period Dec 18 - Dec 19	Period average Dec 18 - Dec 19
Food and non-alcoholic beverages	1,087.7	0.00	1.72	1.72	2.04
Food	964.1	0.00	1.60	1.60	1.91
Non-alcoholic beverages	123.6	0.00	0.12	0.12	0.13
Alcoholic beverages and tobacco	78.2	0.00	0.14	0.14	0.14
Alcoholic beverages for consumption at home	62.2	-0.002	0.12	0.12	0.11
Tobacco	16.0	0.000	0.02	0.02	0.02
Clothing and footwear	276.8	0.00	0.21	0.21	0.12
Clothing	212.8	0.03	0.21	0.21	0.12
Footwear	64.0	-0.03	0.00	0.00	0.00
Housing	2,522.2	0.15	0.33	0.33	0.33
Actual rentals for housing	666.7	0.01	0.13	0.13	0.14
Imputed rentals for housing	34.4	0.00	0.00	0.00	0.00
Maintenance and repair of the dwelling	517.0	0.00	0.05	0.05	0.16
Water supply and miscellaneous services relating to the dwelling	463.6	0.14	0.15	0.15	0.01
Electricity, gas and other fuels	840.4	0.00	0.00	0.00	0.01
Household operation	929.2	0.09	0.19	0.19	0.01
Furniture, furnishings, carpets and other floor coverings	128.8	-0.01	-0.08	-0.08	-0.03
Household textiles	58.6	-0.02	-0.05	-0.05	-0.01
Household appliances	246.0	0.13	0.25	0.25	-0.04
Glassware, tableware and household utensils	17.2	0.00	0.01	0.01	0.01
Tools and equipment for house and garden	58.2	-0.01	-0.01	-0.01	0.00
Goods and services for routine household maintenance and cleaning	420.5	0.01	0.08	0.08	0.09
Health	223.1	-0.02	-0.03	-0.03	0.05
Medical products, appliances and equipment	152.3	-0.02	-0.03	-0.03	0.03
Out-patient services	52.4	0.00	0.00	0.00	0.03
Other treatments	7.8	0.00	0.00	0.00	0.00
Health products and services n.e.c.	10.5	0.00	-0.01	-0.01	0.00
Transport	1,257.4	0.34	0.57	0.57	0.14
Purchase of vehicles	442.6	0.24	0.25	0.25	0.04
Operation of personal transport equipment	763.3	0.04	0.16	0.16	0.04
Transport services	51.5	0.06	0.16	0.16	0.06
Communications	849.6	0.00	0.00	0.00	0.56
Telephone and telefax equipment	43.8	0.00	0.00	0.00	-0.02
Telephone and telefax services	805.8	0.00	0.00	0.00	0.58
Recreation and culture	1,013.3	0.53	1.42	1.42	0.33
Audio-visual, photographic and information processing equipment	58.5	0.08	0.08	0.08	-0.05
Other major durables for recreation and culture	20.0	-0.01	0.01	0.01	0.00
Other recreational items and equipment; gardens and pets	266.6	0.00	0.15	0.15	0.12
Recreational and cultural services	309.1	0.00	-0.02	-0.02	0.03
Newspapers, books and stationery	43.7	0.00	0.00	0.00	0.03
Holidays	315.4	0.45	1.19	1.19	0.20
Education	98.0	0.00	0.00	0.00	0.00
Pre primary and primary education	24.0	0.00	0.00	0.00	0.00
Secondary education	43.4	0.00	0.00	0.00	0.00
Post-secondary non-tertiary education	4.6	0.00	0.00	0.00	0.00
Tertiary education	23.6	0.00	0.00	0.00	0.00
Education not definable by level	2.5	0.00	0.00	0.00	0.00
Restaurants and hotels	442.0	0.09	0.27	0.27	0.21
Catering services	429.8	0.04	0.23	0.23	0.20
Accommodation services	12.2	0.05	0.04	0.04	0.00
Miscellaneous goods and services	1,222.6	-0.05	0.35	0.35	0.33
Personal care	427.1	0.00	0.12	0.12	0.15
Personal effects n.e.c.	106.6	-0.06	0.23	0.23	0.18
Social protection	78.2	0.00	0.00	0.00	0.00
Insurance	610.7	0.00	0.00	0.00	0.00
CPI	10,000.0	1.13	5.16	5.16	4.26

Source: Central Bureau of Statistics Aruba

APPENDIX 3

Monthly & Yearly Changes (%) and effect in the Food & catering services for December 2019, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly Nov - Dec	End of period Dec 18 - Dec 19	Monthly Nov - Dec	End of period Dec 18 - Dec 19
Food & catering services	1,517.5	0.2	9.2	0.046	1.954
Food at home	1,087.7	0.01	10.7	0.002	1.724
Bread and cereals	178.1	-0.2	2.9	-0.004	0.063
Rice	23.5	0.6	3.5	0.002	0.011
Bread	72.1	-0.7	2.8	-0.006	0.026
Pasta products	9.2	0.3	7.3	0.000	0.007
Other cereals and cereal products	73.3	0.1	2.4	0.000	0.019
Meat	242.5	0.3	4.6	0.010	0.138
Bovine	67.3	-1.1	1.9	-0.009	0.016
Swine	25.5	3.2	8.2	0.010	0.025
Poultry	75.7	0.4	-0.7	0.004	-0.007
Other meat and meat preparations	74.0	0.5	12.1	0.005	0.105
Fish and other seafood	49.0	-0.2	7.0	-0.001	0.038
Fish and seafood preparations	49.0	-0.2	7.0	-0.001	0.038
Milk, cheese and eggs	135.3	0.4	7.8	0.006	0.130
Cheese	55.4	0.0	7.5	0.000	0.058
Eggs	16.6	4.9	26.7	0.008	0.038
Milk	40.0	-0.3	3.6	-0.002	0.020
Other milk products	23.3	0.0	7.3	0.000	0.014
Oils and fats	32.2	-0.8	9.1	-0.004	0.042
Corn oil	2.8	-0.9	4.9	0.000	0.002
Butter and margarine	9.2	-1.2	9.6	-0.002	0.014
Other oils and fats	20.1	-0.5	9.6	-0.001	0.026
Fruit	97.6	0.0	30.5	0.000	1.071
Oranges	9.4	4.7	-4.6	0.006	-0.006
Bananas and plantains	19.9	1.5	-1.9	0.006	-0.008
Apples	9.3	-1.4	-1.4	-0.002	-0.002
Avocado	5.0	-4.4	31.3	-0.034	0.184
Grapes	9.2	0.5	12.9	0.001	0.021
Nuts	11.9	-0.9	11.3	-0.001	0.011
Lemons and mandarins	6.0	-3.2	-3.1	-0.002	-0.002
Cherries and strawberries	8.8	3.7	54.2	0.039	0.396
Melons and watermelons	7.7	-5.4	52.2	-0.043	0.265
Papayas and pineapples	6.9	5.3	29.8	0.030	0.143
Other fruits and fruit products	3.5	0.3	59.7	0.001	0.070
Potatoes and other tubers	18.2	-4.8	8.9	-0.012	0.021
Potatoes	12.2	-5.4	6.5	-0.011	0.012
Other tubers	2.0	-0.9	15.1	0.000	0.003
Sweet potatoes and yucca	4.0	-3.4	21.2	-0.001	0.006
Vegetables	89.1	0.0	-0.8	0.000	-0.014
Lettuce	6.8	-4.3	6.9	-0.004	0.005
Tomatoes	9.7	-9.1	1.7	-0.013	0.002
Onions and garlic	18.7	2.4	-2.6	0.013	-0.016
Celery and broccoli	15.3	0.8	-9.8	0.003	-0.037
Other vegetables	15.3	1.2	12.2	0.002	0.024
Other preserved or processed vegetables	8.4	-1.6	-1.6	-0.002	-0.002
Frozen vegetable mixtures	14.8	0.1	4.9	0.000	0.009
Sugar, jam, honey and other confectionery	42.0	0.1	7.9	0.001	0.032
Sugar	12.1	0.7	11.0	0.001	0.012
Jams and jellies	2.5	0.1	9.2	0.000	0.003
Other confectionery products	27.5	-0.1	6.5	0.000	0.018
Food products n.e.c.	80.1	0.5	9.0	0.005	0.080
Other food products	80.1	0.5	9.0	0.005	0.080
Non-alcoholic beverages	123.6	0.1	8.2	0.001	0.123
Coffee and tea	20.9	-0.3	3.4	-0.001	0.007
Other non-alcoholic beverages	14.6	0.7	6.9	0.001	0.013
Soft and sports drinks	31.0	0.0	6.8	0.000	0.026
Fruit juices	57.1	0.1	10.4	0.001	0.077
Food away from home	429.8	0.9	4.5	0.044	0.230
Food and beverage consumption away from home	429.8	0.9	4.5	0.044	0.230
Other goods and services	8,482.5	1.4	4.1	1.080	3.208
Other goods	4,735.8	0.8	3.5	0.356	1.508
Other services	3,746.7	2.1	4.8	0.724	1.700
CPI	10,000	1.13	5.2	1.126	5.162

Source: Central Bureau of Statistics Aruba

APPENDIX 4

CONSUMER PRICE INDEX

					YEAR: 2019				YEAR: 2018			
	Base	Base	Base	Base	CHANGE				CHANGE			
	Jun-19 =100.0	Jun-19 =100.0	Jun-19 =100.0	Jun-19 =100.0	Monthly	Year-to date	Yearly	Period average	Monthly	Year-to date	Yearly	Period average
	<u>Jan'18</u>	<u>Dec'17</u>	<u>Jan'19</u>	<u>Dec'18</u>								
<u>Total Population</u>	92.88	92.55	96.25	96.67	-0.4	-0.4	3.6	3.8	0.4	0.4	1.1	-0.9
Low Income	92.15	91.72	96.24	96.29	-0.1	-0.1	4.4		0.5	0.5	1.3	
High Income	93.24	92.95	96.29	96.86	-0.6	-0.6	3.3		0.3	0.3	1.0	
	<u>Feb'18</u>	<u>Jan'18</u>	<u>Feb'19</u>	<u>Jan'19</u>								
<u>Total Population</u>	93.88	92.88	96.66	96.25	0.4	0.0	3.0	3.9	1.1	1.4	2.1	-0.6
Low Income	93.43	92.15	96.66	96.24	0.4	0.4	3.5		1.4	1.9	2.7	
High Income	94.12	93.24	96.68	96.29	0.4	-0.2	2.7		0.9	1.3	1.9	
	<u>Mar'18</u>	<u>Feb'18</u>	<u>Mar'19</u>	<u>Feb'19</u>								
<u>Total Population</u>	94.71	93.88	98.00	96.66	1.4	1.4	3.5	3.9	0.9	2.3	3.2	-0.3
Low Income	94.08	93.43	98.07	96.66	1.5	1.8	4.2		0.7	2.6	3.5	
High Income	95.00	94.12	97.99	96.68	1.3	1.2	3.1		0.9	2.2	3.0	
	<u>Apr'18</u>	<u>Mar'18</u>	<u>Apr'19</u>	<u>Mar'19</u>								
<u>Total Population</u>	94.54	94.71	98.83	98.00	0.8	2.2	4.5	4.1	-0.2	2.1	2.8	0.0
Low Income	94.15	94.08	98.74	98.07	0.7	2.5	4.9		0.1	2.7	3.5	
High Income	94.73	95.00	98.86	97.99	0.9	2.1	4.4		-0.3	1.9	2.5	
	<u>May'18</u>	<u>Apr'18</u>	<u>May'19</u>	<u>Apr'19</u>								
<u>Total Population</u>	94.90	94.54	99.19	98.83	0.4	2.6	4.5	4.2	0.4	2.5	3.0	0.3
Low Income	94.56	94.15	99.37	98.74	0.6	3.2	5.1		0.4	3.1	3.8	
High Income	95.07	94.73	99.12	98.86	0.3	2.3	4.3		0.4	2.3	2.7	
	<u>Jun'18</u>	<u>May'18</u>	<u>Jun'19</u>	<u>May'19</u>								
<u>Total Population</u>	95.39	94.90	100.00	99.19	0.8	3.4	4.8	4.3	0.5	3.1	3.8	0.7
Low Income	94.82	94.56	100.00	99.37	0.6	3.9	5.5		0.3	3.4	4.2	
High Income	95.65	95.07	100.00	99.12	0.9	3.2	4.5		0.6	2.9	3.5	
	<u>Jul'18</u>	<u>Jun'18</u>	<u>Jul'19</u>	<u>Jun'19</u>								
<u>Total Population</u>	96.49	95.39	100.06	100.00	0.1	3.5	3.7	4.2	1.2	4.3	5.3	1.3
Low Income	95.82	94.82	99.91	100.00	-0.1	3.8	4.3		1.0	4.5	5.5	
High Income	96.80	95.65	100.13	100.00	0.1	3.4	3.4		1.2	4.2	5.2	
	<u>Aug'18</u>	<u>Jul'18</u>	<u>Aug'19</u>	<u>Jul'19</u>								
<u>Total Population</u>	95.96	96.49	99.80	100.06	-0.3	3.2	4.0	4.1	-0.6	3.7	4.7	1.8
Low Income	95.45	95.82	99.75	99.91	-0.2	3.6	4.5		-0.4	4.1	5.0	
High Income	96.22	96.80	99.84	100.13	-0.3	3.1	3.8		-0.6	3.5	4.5	
	<u>Sep'18</u>	<u>Aug'18</u>	<u>Sep'19</u>	<u>Aug'19</u>								
<u>Total Population</u>	95.77	95.96	100.00	99.80	0.2	3.4	4.4	4.1	-0.2	3.5	4.7	2.3
Low Income	95.34	95.45	99.84	99.75	0.1	3.7	4.7		-0.1	3.9	4.9	
High Income	96.02	96.22	100.08	99.83	0.3	3.3	4.2		-0.2	3.3	4.6	
	<u>Oct'18</u>	<u>Sep'18</u>	<u>Oct'19</u>	<u>Sep'19</u>								
<u>Total Population</u>	95.66	95.77	100.49	100.00	0.5	3.9	5.0	4.2	-0.1	3.4	3.9	2.7
Low Income	95.32	95.34	100.54	99.84	0.7	4.4	5.5		0.0	3.9	4.3	
High Income	95.87	96.02	100.65	100.08	0.6	3.9	5.0		-0.2	3.1	3.8	
	<u>Nov'18</u>	<u>Oct'18</u>	<u>Nov'19</u>	<u>Oct'19</u>								
<u>Total Population</u>	95.97	95.66	100.53	100.49	0.04	4.0	4.8	4.2	0.3	3.7	4.4	3.2
Low Income	95.62	95.32	100.46	100.54	-0.1	4.3	5.1		0.3	4.2	4.7	
High Income	96.17	95.87	100.77	100.65	0.1	4.0	4.8		0.3	3.5	4.3	
	<u>Dec'18</u>	<u>Nov'18</u>	<u>Dec'19</u>	<u>Nov'19</u>								
<u>Total Population</u>	96.67	95.97	101.66	100.53	1.1	5.2	5.2	4.3	0.7	4.5	4.5	3.6
Low Income	96.29	95.62	101.36	100.46	0.9	5.3	5.3		0.7	5.0	5.0	
High Income	96.86	96.17	102.11	100.77	1.3	5.4	5.4		0.7	4.2	4.2	

Source: Central Bureau of Statistics Aruba

APPENDIX 5

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

Month	Crude Crude oil ¹	Electricity components							
		Total energy charge ²			Fixed charge ³	Electricity ⁴	Water ⁵	Gasoline ⁶	Diesel ⁶
		≤ 500 kWh	501 - 1000 kWh	> 1001 kWh					
Average 2001	26.01	24.59	22.09	22.09	0.00	172.79	89.40	128.34	90.10
Average 2002	26.06	24.89	22.39	22.39	0.00	174.91	90.82	127.20	88.68
Average 2003	34.49	27.02	24.52	24.52	0.00	190.38	99.21	139.21	100.18
Average 2004	41.31	27.18	24.68	24.68	0.00	191.57	100.02	152.51	113.05
Average 2005	56.36	31.10	28.60	28.60	0.00	219.97	113.69	167.74	136.04
Average 2006	66.12	35.91	33.41	33.41	0.00	254.88	128.70	176.22	149.77
Average 2007	72.08	36.59	34.09	34.09	0.00	259.84	133.59	200.43	168.38
Average 2008	99.87	45.67	43.17	43.17	0.00	325.67	161.80	228.19	214.48
Average 2009	61.46	37.33	34.83	34.83	0.00	265.17	139.60	175.15	142.53
Average 2010	79.22	43.92	41.42	41.42	0.00	312.98	159.21	193.43	163.22
Average 2011	94.74	47.58	47.57	47.57	0.00	345.14	177.47	229.48	203.46
Average 2012	94.25	47.68	51.21	53.46	0.00	353.85	171.13	235.53	210.07
Average 2013	98.00	41.10	44.90	58.40	0.00	306.75	137.05	229.48	205.83
Average 2014	93.49	42.58	45.32	57.77	0.63	315.71	137.05	224.24	200.21
Average 2015	48.71	47.02	46.56	55.87	2.50	342.59	137.05	179.74	147.80
Average 2016	43.17	40.40	41.80	47.64	12.50	308.76	137.05	165.87	131.12
Average 2017	50.85	34.52	35.72	45.93	12.50	265.65	137.05	180.79	147.69
Average 2018	65.08	34.52	35.72	45.93	12.50	265.65	137.05	204.95	177.59
January-19	50.65	34.52	35.72	45.93	12.50	265.65	137.05	188.50	165.10
February-19	54.45	34.52	35.72	45.93	12.50	265.65	137.05	189.40	170.20
March-19	57.84	34.52	35.72	45.93	12.50	265.65	137.05	197.70	177.30
April-19	63.89	34.52	35.72	45.93	12.50	265.65	137.05	197.70	181.10
May-19	60.89	34.52	35.72	45.93	12.50	265.65	137.05	209.50	185.00
June-19	54.66	34.52	35.72	45.93	12.50	265.65	137.05	209.50	183.70
July-19	57.28	34.52	35.72	45.93	12.50	265.65	137.05	208.00	174.20
August-19	55.17	34.52	35.72	45.93	12.50	265.65	137.05	215.10	177.20
September-19	57.03	34.52	35.72	45.93	12.50	265.65	137.05	204.50	172.80
October-19	53.77	34.52	35.72	45.93	12.50	265.65	137.05	205.10	178.40
November-19	56.74	34.52	35.72	45.93	12.50	265.65	137.05	203.30	177.70
December-19	59.73	34.52	35.72	45.93	12.50	265.65	137.05	203.70	175.60
Average 2019	56.84	34.52	35.72	45.93	12.50	265.65	137.05	202.67	176.53

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