

Consumer Price Index, base period June 2019

June 2020

The Central Bureau of Statistics presents the most important findings for the Consumer Price Index (CPI) for the month of June 2020.

Consumer Price Index for the month of June 2020

The CPI for June 2020 is 99.75, a decrease of 0.2% compared to the index of May 2020 (99.96) and accumulating a decrease of 1.9% up to and including June of this year.

The percentage change of the CPI over the last twelve (12) months (June 2019 to June 2020) is -0.3, a decrease of 5.1 ppts compared to the percentage change for the same period of last year (4.8%).

The period average percentage change of the CPI for the period June 2019 - June 2020 is 3.6%, a decrease of 0.7 ppts compared to the period average percentage change over the period June 2018 - June 2019 (4.3%).

During this month, six (6) of the twelve (12) sectors registered decreases in prices. The decreases that had the greatest influence on the CPI were registered for the "Household operation" (-7.8%) and "Food and non-alcoholic beverages" (-0.5%) sectors, which contributed with an effect of -0.56 and -0.09 ppts, respectively. The decreases in the remaining sectors had an effect of -0.14 ppts on the CPI of June 2020.

Aforementioned decreases were partially offset mainly by increases in the indices for the "Transport" (3.2%) and "Clothing and footwear" (7.0%) sectors, causing an effect of 0.36 and 0.14 ppts, respectively. The increases in the remaining sectors had an effect of 0.06 ppts on the CPI of June 2020.

The decrease in the "Household operation" sector was mainly due to a decrease in the category "Household appliances" (-32.4%), which contributed to an effect of -0.46 ppts. The decrease in the "Food and non-alcoholic beverages" sector was mainly caused by a decrease in the category "Food" (-0.6%), which contributed to an effect of -0.09 ppts.

The increase in the "Transport" sector was due to an increase in the category "Operation of personal transport equipment" (5.4%), which contributed to an effect of 0.36 ppts. The increase in the "Clothing and footwear" sector was mainly caused by an increase in the category "Clothing" (6.5%), which contributed to an effect of 0.11 ppts.

Consumption basket

The consumption basket of the CPI consists of 408 goods and services. Compared to May 2020, 31.5% of these products had an increase in price, causing an effect of 1.01 ppts, while 28.1% showed a decrease, contributing to an effect of -1.23 ppts and the remaining 40.3% had no change in price. The prices of goods decreased by 0.4% and caused an influence of -0.21 ppts. The prices of services showed a slight decrease of 0.01% and had an influence of -0.01 ppt on the CPI of June 2020.

Core inflation

The CPIC (core inflation) - CPI excluding the effect of energy and food – was 4.3% in June 2020. The energy index - which consists of the products: electricity, water, gasoline and diesel – was -4.4%. The food index showed an increase of 9.5%.

Subsistence level

The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-15 years) in June 2020 is Afl. 4,969, a decrease of Afl. 36 compared to June 2019 (Afl. 5,005). The subsistence level for a single adult household is Afl. 2,366, a decrease of Afl. 18 compared to June 2019 (Afl. 2,384).

July 27, 2020



CPI	(BASE JUN 2019 = 100)
Index	↓ 99.75
Monthly	↓ -0.2
Year-to-date	↓ -1.9
End of period	↓ -0.3
Period average	↑ 3.6
Goods	↓ -0.4
Services	↓ -0.01

CPIC	
CPIC	↑ 4.3
Energy	↓ -4.4
Food	↑ 9.5

SUBSISTENCE LEVEL	in Afl.
1 adult	↓ 2,366
2 adults + 2 children	↓ 4,969

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

	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
<i>Index</i>	100.00	100.06	99.80	100.00	100.49	100.53	101.66	101.56	101.73	101.43	100.69	99.96	99.75
<i>Monthly</i>	0.8	0.1	-0.3	0.2	0.5	0.0	1.13	-0.1	0.2	-0.3	-0.7	-0.7	-0.2
<i>Year-to-date</i>	3.4	3.5	3.2	3.4	3.9	4.0	5.2	-0.1	0.1	-0.2	-1.0	-1.7	-1.9
<i>End of period</i>	4.8	3.7	4.0	4.4	5.0	4.8	5.2	5.5	5.2	3.5	1.9	0.8	-0.3
<i>Period average</i>	4.3	4.2	4.1	4.1	4.2	4.2	4.3	4.4	4.6	4.6	4.4	4.1	3.6
<i>Goods</i>	0.7	-0.3	0.1	0.1	0.0	-0.4	0.6	0.0	-0.5	-0.5	-1.3	-1.2	-0.4
<i>Services</i>	1.0	0.6	-0.7	0.4	1.2	0.7	1.9	-0.2	1.1	0.0	0.1	-0.1	-0.01
<i>CPIC</i>	3.1	3.0	3.0	3.0	3.2	3.4	3.5	3.8	4.1	4.3	4.3	4.4	4.3
<i>Energy</i>	2.5	1.9	1.4	0.8	0.3	-0.2	-0.3	-0.5	-0.7	-1.2	-2.1	-3.4	-4.4
<i>Food</i>	12.4	12.5	12.8	13.1	13.5	13.5	13.2	13.0	13.3	12.7	12.1	10.9	9.5
<i>1 adult</i>	2,384	2,379	2,372	2,377	2,382	2,375	2,387	2,393	2,395	2,385	2,382	2,366	2,366
<i>2 adults + 2 children</i>	5,005	4,997	4,981	4,992	5,002	4,987	5,013	5,026	5,030	5,009	5,002	4,968	4,969

Source: Central Bureau of Statistics Aruba

Table 2 Percentage change by sector

Sector	Weight coefficient	Effect May - Jun	Percentage changes			
			Monthly May - Jun	Year-to-date Dec - Jun	End of period Jun 19 - Jun 20	Period average Jun 19 - Jun 20
CPI	10,000.0	-0.22	-0.2	-1.9	-0.3	3.6
01. Food and non-alcoholic beverages	1,087.7	-0.09	-0.5	1.5	-1.0	9.2
02. Alcoholic beverages and tobacco	78.2	0.00	-0.03	1.1	1.8	10.2
03. Clothing and footwear	276.8	0.14	7.0	-5.0	3.7	4.0
04. Housing	2,522.2	-0.08	-0.3	-2.5	-2.2	-0.1
05. Household operation	929.2	-0.56	-7.8	-8.7	-6.3	0.8
06. Health	223.1	0.04	2.1	5.4	3.8	0.0
07. Transport	1,257.4	0.36	3.2	-8.7	-7.0	-0.5
08. Communications	849.6	0.01	0.1	0.0	-0.2	3.1
09. Recreation and culture	1,013.3	-0.04	-0.4	2.9	19.2	16.2
10. Education	98.0	0.00	0.0	0.2	0.2	0.1
11. Restaurants and hotels	442.0	-0.01	-0.3	-0.5	2.0	3.3
12. Miscellaneous goods and services	1,222.6	0.02	0.2	-0.2	-0.4	2.0

Source: Central Bureau of Statistics Aruba

Table 3 Categories with the greatest positive effect on the CPI of June 2020

Category	Monthly change	Effect
Operation of personal transport equipment	5.4	0.36
Clothing	6.5	0.11
Other recreational items and equipment; gardens and pets	1.5	0.05
Medical products, appliances and equipment	2.8	0.04
Footwear	9.5	0.03

Source: Central Bureau of Statistics Aruba

Table 4 Categories with the greatest negative effect on the CPI of June 2020

Category	Monthly change	Effect
Household appliances	-32.4	-0.46
Audio-visual, photographic and information processing equipment	-30.8	-0.10
Maintenance and repair of the dwelling	-2.0	-0.09
Food	-0.6	-0.09
Furniture, furnishings, carpets and other floor coverings	-14.5	-0.06

Source: Central Bureau of Statistics Aruba

Change in prices of crude oil, utilities, gasoline and diesel in June 2020

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In June 2020 the average price per barrel of crude oil (US\$ 38.19) had an increase of US\$ 11.62 (43.7%) compared to May 2020 (US\$ 26.57).

The total energy charge per kWh for the usage of electricity up to 500 kWh did not change in June 2020, it stayed at Afl. 31.09 cents per kWh. The total energy charge per kWh for the usage of electricity between 501 - 1000 kWh did not change in June 2020, it stayed at Afl. 31.99 cents per kWh. Additionally, the total energy charge per kWh for the usage of electricity above 1000 kWh did not change in June 2020, it stayed at Afl. 42.09 cents per kWh. The prices of electricity and water did not change compared to May 2020. Subsequently, the average electricity price per household remained at Afl. 240.09, while the average price of water per household remained at Afl. 137.05.

In June 2020 the price of gasoline registered an increase of Afl. 15.80 cents (10.9%) and had an effect of 0.35 ppts on the CPI. The price of diesel registered an increase of Afl. 2.60 cents (2.2%) and had an effect of 0.01 ppt on the CPI of June 2020.

In June 2020, utilities, gasoline and diesel as a group showed an increase in price of 2.5% compared to May 2020, and had an influence of 0.35 ppts on the CPI, while the remaining 404 goods and services, as a group, experienced a decrease of 0.7% in price, causing an effect of -0.57 ppts on the CPI.

Table 6 Effect on the CPI of June 2020 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	10.9	0.35
Water	367.3	0.0	0.00
Diesel	30.2	2.2	0.01
Total group	1,638.1	2.5	0.35
Remaining goods and services	8,361.9	-0.7	-0.57
CPI	10,000.0	-0.2	-0.22

Source: Central Bureau of Statistics Aruba

Table 5 Prices of crude oil, utilities, gasoline and diesel, 2019 - 2020

Month	2019							2020						
	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	50.65	34.52	35.72	265.65	137.05	188.50	165.10	57.92	31.09	31.99	240.09	137.05	204.60	179.20
March	54.45	34.52	35.72	265.65	137.05	189.40	170.20	50.67	31.09	31.99	240.09	137.05	201.90	172.40
March	57.84	34.52	35.72	265.65	137.05	197.70	177.30	30.40	31.09	31.99	240.09	137.05	197.20	160.60
April	63.89	34.52	35.72	265.65	137.05	197.70	181.10	17.39	31.09	31.99	240.09	137.05	160.60	136.70
May	60.89	34.52	35.72	265.65	137.05	209.50	185.00	26.57	31.09	31.99	240.09	137.05	144.70	119.00
June	54.66	34.52	35.72	265.65	137.05	209.50	183.70	38.19	31.09	31.99	240.09	137.05	160.50	121.60
July	57.28	34.52	35.72	265.65	137.05	208.00	174.20							
August	55.17	34.52	35.72	265.65	137.05	215.10	177.20							
September	57.03	34.52	35.72	265.65	137.05	204.50	172.80							
October	53.77	34.52	35.72	265.65	137.05	205.10	178.40							
November	56.74	34.52	35.72	265.65	137.05	203.30	177.70							
December	59.73	34.52	35.72	265.65	137.05	203.70	175.60							
Yearly Average	56.84	34.52	35.72	265.65	137.05	202.67	176.53	36.86	31.09	31.99	240.09	137.05	178.25	148.25

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 in m³

⁵ Gasoline and diesel prices in Afl. cents per liter

Change in prices of Food & catering services in June 2020

The "Food & catering services" index showed a decrease of 0.5% in June 2020, after a decrease of 0.6% in May 2020. The index for "Food at home" showed a decrease of 0.5% in June, as six (6) of the eleven (11) "Food at home" indices decreased in June 2020. The "Fruit" index registered the largest decrease (-3.6%) in June 2020. Furthermore, decreases were posted in the indices for "Milk, cheese and eggs" (-0.9%), "Oils and fats" (-0.5%) and "Sugar, jam, honey and other confectionery" (-0.2%).

The "Potatoes and other tubers" index registered the largest increase (9.5%) in June 2020.

Over the last twelve (12) months, the "Food & catering services" has decreased by 0.4%. The "Food at home" index showed a decrease of 1.0%. The "Fruit" index decreased by 7.8%, the largest decrease among the "Food at home" food groups, while the "Potatoes and other tubers" and "Food products n.e.c." indices increased by 6.2%, the largest increases among the "Food at home" food groups.

The index for "Food away from home" shows a decrease of 0.3% in June 2020 and has increased by 2.0% over the last twelve (12) months.

In June 2020, "Food at home" and "Food away from home" as a group showed a decrease in price of 0.5% compared to May 2020, and had an influence of -0.11 pts on the CPI, while the remaining goods and services, as a group, experienced a decrease in price of 0.1%, causing an effect of -0.11 pts on the CPI.

Table 8 Effect on the CPI of June 2020 of Food at home and Food away from home

Category	Weight	Monthly change	Effect
Food at home	1,087.7	-0.5	-0.09
Food away from home	429.8	-0.3	-0.01
Total group	1,517.5	-0.5	-0.11
Remaining goods and services	8,482.5	-0.1	-0.11
CPI	10,000.0	-0.2	-0.22

Source: Central Bureau of Statistics Aruba

Table 7 Percentage change for Food & catering services

	Indices	Indices			Percentage changes			Effect		
		Weight coefficient	Jun-19	May-20	Jun-20	Monthly Apr - May	Monthly May - Jun	End of period Jun 19 - Jun 20	Monthly May - Jun	End of period Jun 19 - Jun 20
Food & catering services		1,517.5	149.84	150.01	149.31	-0.6	-0.5	-0.4	-0.107	-0.080
Food at home		1,087.7	162.38	161.54	160.70	-0.8	-0.5	-1.0	-0.092	-0.183
Bread and cereals		178.1	120.29	121.10	123.86	-0.2	2.3	3.0	0.049	0.064
Meat		242.5	125.88	128.54	128.41	0.3	-0.1	2.0	-0.003	0.061
Fish and other seafood		49.0	110.23	112.89	113.35	-2.2	0.4	2.8	0.002	0.015
Milk, cheese and eggs		135.3	126.27	130.34	129.22	-2.5	-0.9	2.3	-0.015	0.040
Oils and fats		32.2	150.52	155.00	154.28	-0.6	-0.5	2.5	-0.002	0.012
Fruit		97.6	505.26	483.19	466.00	-1.8	-3.6	-7.8	-0.168	-0.383
Potatoes and other tubers		18.2	137.97	133.86	146.51	4.5	9.5	6.2	0.023	0.016
Vegetables		89.1	188.26	176.57	177.83	-0.9	0.7	-5.5	0.011	-0.093
Sugar, jam, honey and other confectionery		42.0	99.19	99.42	99.23	-1.4	-0.2	0.0	-0.001	0.000
Food products n.e.c.		80.1	114.64	120.24	121.69	0.5	1.2	6.2	0.012	0.056
Non-alcoholic beverages		123.6	124.57	126.89	126.86	-0.2	0.0	1.8	0.000	0.001
Food away from home		429.8	118.09	120.83	120.50	0.2	-0.3	2.0	-0.014	0.104
Other goods and services		8,482.5	91.08	91.01	90.88	-0.8	-0.1	-0.2	-0.112	-0.175
Other goods		4,735.8	89.85	85.80	85.55	-1.3	-0.3	-4.8	-0.120	-2.038
Other services		3,746.7	92.64	97.59	97.61	-0.1	0.0	5.4	0.009	1.863
CPI		10,000.0	100.00	99.96	99.75	-0.7	-0.2	-0.3	-0.218	-0.255

Source: Central Bureau of Statistics Aruba

The subsistence level in June 2020

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 16+) and a weight of 0.3 for each child (aged 0-15 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 0-15 years).

Table 9 Monthly subsistence level in Aruba (in Afl.) by sector for a family of 2 adults and 2 children (aged 0-15 years)

Sector	Jun-19	Jun-20	Absolute Change
Food and non-alcoholic beverages	2,197	2,174	-23
Clothing and footwear	264	273	9
Housing	1,358	1,329	-29
Household operation	128	120	-8
Health	78	81	3
Transport	272	253	-19
Communications	140	139	-1
Recreation and culture	170	202	32
Education	75	75	0
Miscellaneous goods and services	324	322	-2
Total	5,005	4,969	-36

Source: Central Bureau of Statistics Aruba

In June 2020 the monthly subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-15 years) (Afl. 4,969) showed a decrease of Afl. 36 compared to June 2019 (Afl. 5,005) and was mainly caused by a decrease of Afl. 29 in the sector "Housing".

Table 10 Monthly Subsistence level in Aruba (in Afl.) by family size and composition, June 2020 (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
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
Jan-20	2,393	3,111	3,590	4,308	5,026
Feb-20	2,395	3,114	3,593	4,311	5,030
Mar-20	2,385	3,101	3,578	4,293	5,009
Apr-20	2,382	3,096	3,573	4,287	5,002
May-20	2,366	3,076	3,549	4,259	4,968
Jun-20	2,366	3,076	3,550	4,259	4,969

Source: Central Bureau of Statistics Aruba

In June 2020, the monthly subsistence level for a single adult household is Afl 2,366, which represents an income deficit of Afl. 551, a decrease of Afl. 71 compared to the deficit observed one year ago (Afl. 622). This deficit is the second highest registered over a period of five (5) years for the month June.

Table 11 Monthly income surplus/deficit (in Afl.) for a single adult household for June, 2016 - 2020

Period	1 adult	Minimum wage	Surplus/deficit
2016	2,069	1,678	-391
2017	2,089	1,678	-411
2018	2,215	1,711	-504
2019	2,384	1,762	-622
2020	2,366	1,815	-551

Source: Central Bureau of Statistics Aruba

APPENDIX 1
Monthly & Yearly Changes (%) in the Consumer Price Index for June 2020, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	2019 Jun	2019 Dec	2020 May	2020 Jun	Monthly May - Jun	Ytd Dec - Jun	End of period Jun 19 - Jun 20	Period average Jun 19 - Jun 20
Food and non-alcoholic beverages	1,087.7	162.38	158.32	161.54	160.70	-0.5	1.5	-1.0	9.2
Food	964.1	167.23	162.32	165.99	165.03	-0.6	1.7	-1.3	9.5
Non-alcoholic beverages	123.6	124.57	127.08	126.89	126.86	0.0	-0.2	1.8	6.3
Alcoholic beverages and tobacco	78.2	132.17	133.04	134.54	134.51	0.0	1.1	1.8	10.2
Alcoholic beverages for consumption at home	62.2	114.45	114.88	114.64	114.60	0.0	-0.2	0.1	11.9
Tobacco	16.0	201.02	203.61	211.88	211.88	0.0	4.1	5.4	6.7
Clothing and footwear	276.8	76.60	83.63	74.21	79.41	7.0	-5.0	3.7	4.0
Clothing	212.8	80.82	89.29	81.44	86.76	6.5	-2.8	7.3	7.3
Footwear	64.0	62.56	64.80	50.19	54.98	9.5	-15.2	-12.1	-8.9
Housing	2,522.2	102.83	103.19	100.91	100.57	-0.3	-2.5	-2.2	-0.1
Actual rentals for housing	666.7	126.50	127.28	128.07	128.23	0.1	0.7	1.4	1.5
Imputed rentals for housing	34.4	105.29	105.29	105.29	105.29	0.0	0.0	0.0	0.7
Maintenance and repair of the dwelling	517.0	89.76	87.75	90.18	88.34	-2.0	0.7	-1.6	3.4
Water supply and miscellaneous services relating to the dwelling	463.6	95.30	98.34	98.34	98.34	0.0	0.0	3.2	1.9
Electricity, gas and other fuels	840.4	96.16	96.16	87.19	87.19	0.0	-9.3	-9.3	-4.7
Household operation	929.2	74.92	76.96	76.21	70.23	-7.8	-8.7	-6.3	0.8
Furniture, furnishings, carpets and other floor coverings	128.8	45.54	37.81	33.25	28.41	-14.5	-24.8	-37.6	-16.1
Household textiles	58.6	61.06	56.79	42.76	39.18	-8.4	-31.0	-35.8	-15.8
Household appliances	246.0	47.29	59.20	58.05	39.23	-32.4	-33.7	-17.0	9.0
Glassware, tableware and household utensils	17.2	64.48	63.13	62.46	63.14	1.1	0.0	-2.1	2.9
Tools and equipment for house and garden	58.2	46.85	48.86	49.40	50.75	2.7	3.9	8.3	-2.2
Goods and services for routine household maintenance and cleaning	420.5	106.33	106.60	108.92	108.49	-0.4	1.8	2.0	2.2
Health	223.1	85.22	83.93	86.64	88.44	2.1	5.4	3.8	0.0
Medical products, appliances and equipment	152.3	88.90	87.78	90.48	93.00	2.8	5.9	4.6	0.3
Out-patient services	52.4	77.72	77.72	80.77	80.36	-0.5	3.4	3.4	1.1
Other treatments	7.8	76.07	76.36	79.35	78.95	-0.5	3.4	3.8	2.4
Health products and services n.e.c.	10.5	76.07	64.78	65.71	69.77	6.2	7.7	-8.3	-12.5
Transport	1,257.4	100.02	101.85	90.13	93.00	3.2	-8.7	-7.0	-0.5
Purchase of vehicles	442.6	90.24	95.69	95.48	95.48	0.0	-0.2	5.8	3.4
Operation of personal transport equipment	763.3	106.61	105.21	87.01	91.74	5.4	-12.8	-13.9	-3.4
Transport services	51.5	86.36	105.11	90.34	90.34	0.0	-14.0	4.6	18.8
Communications	849.6	78.02	77.90	77.80	77.89	0.1	0.0	-0.2	3.1
Telephone and telefax equipment	43.8	18.63	16.36	14.41	16.09	11.6	-1.7	-13.6	-17.5
Telephone and telefax services	805.8	81.25	81.25	81.25	81.25	0.0	0.0	0.0	3.3
Recreation and culture	1,013.3	82.31	95.35	98.48	98.09	-0.4	2.9	19.2	16.2
Audio-visual, photographic and information processing equipment	58.5	54.86	72.13	57.74	39.95	-30.8	-44.6	-27.2	-9.0
Other major durables for recreation and culture	20.0	33.65	38.43	26.73	27.63	3.4	-28.1	-17.9	-2.3
Other recreational items and equipment; gardens and pets	266.6	117.94	120.07	122.12	123.99	1.5	3.3	5.1	6.0
Recreational and cultural services	309.1	89.04	88.54	94.42	94.40	0.0	6.6	6.0	2.9
Newspapers, books and stationery	43.7	76.39	75.57	71.79	71.70	-0.1	-5.1	-6.1	0.4
Holidays	315.4	54.61	91.78	98.30	98.73	0.4	7.6	80.8	70.8
Education	98.0	109.30	109.30	109.49	109.49	0.0	0.2	0.2	0.1
Pre primary and primary education	24.0	86.66	86.66	86.66	86.66	0.0	0.0	0.0	0.0
Secondary education	43.4	94.62	94.62	94.62	94.62	0.0	0.0	0.0	0.0
Post-secondary non-tertiary education	4.6	102.85	102.85	102.85	102.85	0.0	0.0	0.0	0.0
Tertiary education	23.6	160.49	160.49	160.49	160.49	0.0	0.0	0.0	0.0
Education not definable by level	2.5	109.74	109.74	117.06	117.06	0.0	6.7	6.7	3.3
Restaurants and hotels	442.0	117.03	119.96	119.72	119.39	-0.3	-0.5	2.0	3.3
Catering services	429.8	118.09	120.31	120.83	120.50	-0.3	0.2	2.0	3.3
Accommodation services	12.2	79.64	107.74	80.30	80.08	-0.3	-25.7	0.6	3.8
Miscellaneous goods and services	1,222.6	86.67	86.51	86.17	86.30	0.2	-0.2	-0.4	2.0
Personal care	427.1	101.75	101.09	100.95	101.51	0.6	0.4	-0.2	2.0
Personal effects n.e.c.	106.6	106.55	107.40	103.48	102.74	-0.7	-4.3	-3.6	12.1
Social protection	78.2	115.39	115.39	115.39	115.39	0.0	0.0	0.0	0.0
Insurance	610.7	68.97	68.97	69.06	69.06	0.0	0.1	0.1	0.1
CPI	10,000.0	100.00	101.66	99.96	99.75	-0.2	-1.9	-0.3	3.6

Source: Central Bureau of Statistics Aruba

APPENDIX 2
Effect on the Consumer Price Index per sector and category for June 2020, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	Monthly May - Jun	Ytd Dec - Jun	End of period Jun 19 - Jun 20	Period average Jun 19 - Jun 20
Food and non-alcoholic beverages	1,087.7	-0.09	0.25	-0.18	1.52
Food	964.1	-0.09	0.26	-0.21	1.42
Non-alcoholic beverages	123.6	0.00	0.00	0.03	0.10
Alcoholic beverages and tobacco	78.2	0.00	0.01	0.02	0.10
Alcoholic beverages for consumption at home	62.2	0.00	0.00	0.00	0.08
Tobacco	16.0	0.00	0.01	0.02	0.02
Clothing and footwear	276.8	0.14	-0.11	0.08	0.09
Clothing	212.8	0.11	-0.05	0.13	0.13
Footwear	64.0	0.03	-0.06	-0.05	-0.04
Housing	2,522.2	-0.08	-0.65	-0.57	-0.02
Actual rentals for housing	666.7	0.01	0.06	0.12	0.13
Imputed rentals for housing	34.4	0.00	0.00	0.00	0.00
Maintenance and repair of the dwelling	517.0	-0.09	0.03	-0.07	0.16
Water supply and miscellaneous services relating to the dwelling	463.6	0.00	0.00	0.14	0.08
Electricity, gas and other fuels	840.4	0.00	-0.74	-0.75	-0.39
Household operation	929.2	-0.56	-0.61	-0.44	0.06
Furniture, furnishings, carpets and other floor coverings	128.8	-0.06	-0.12	-0.22	-0.10
Household textiles	58.6	-0.02	-0.10	-0.13	-0.06
Household appliances	246.0	-0.46	-0.48	-0.20	0.12
Glassware, tableware and household utensils	17.2	0.00	0.00	0.00	0.00
Tools and equipment for house and garden	58.2	0.01	0.01	0.02	-0.01
Goods and services for routine household maintenance and cleaning	420.5	-0.02	0.08	0.09	0.10
Health	223.1	0.04	0.10	0.07	0.00
Medical products, appliances and equipment	152.3	0.04	0.08	0.06	0.00
Out-patient services	52.4	0.00	0.01	0.01	0.00
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	-0.01
Transport	1,257.4	0.36	-1.09	-0.88	-0.06
Purchase of vehicles	442.6	0.00	-0.01	0.23	0.14
Operation of personal transport equipment	763.3	0.36	-1.01	-1.13	-0.28
Transport services	51.5	0.00	-0.07	0.02	0.08
Communications	849.6	0.01	0.00	-0.01	0.20
Telephone and telefax equipment	43.8	0.01	0.00	-0.01	-0.02
Telephone and telefax services	805.8	0.00	0.00	0.00	0.22
Recreation and culture	1,013.3	-0.04	0.27	1.60	1.34
Audio-visual, photographic and information processing equipment	58.5	-0.10	-0.19	-0.09	-0.03
Other major durables for recreation and culture	20.0	0.00	-0.02	-0.01	0.00
Other recreational items and equipment; gardens and pets	266.6	0.05	0.10	0.16	0.19
Recreational and cultural services	309.1	0.00	0.18	0.17	0.08
Newspapers, books and stationery	43.7	0.00	-0.02	-0.02	0.00
Holidays	315.4	0.01	0.22	1.39	1.10
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	-0.01	-0.02	0.10	0.17
Catering services	429.8	-0.01	0.01	0.10	0.17
Accommodation services	12.2	0.00	-0.03	0.00	0.00
Miscellaneous goods and services	1,222.6	0.02	-0.03	-0.04	0.22
Personal care	427.1	0.02	0.02	-0.01	0.09
Personal effects n.e.c.	106.6	-0.01	-0.05	-0.04	0.13
Social protection	78.2	0.00	0.00	0.00	0.00
Insurance	610.7	0.00	0.01	0.01	0.00
CPI	10,000.0	-0.22	-1.88	-0.25	3.62

Source: Central Bureau of Statistics Aruba

APPENDIX 3
Monthly & Yearly Changes (%) and effect in the Food & catering services for June 2020, Total Population (Jun 2019 = 100)

DESCRIPTION	WEIGHT coefficient	% Change		Effect	
		Monthly May - Jun	End of period Jun 19 - Jun 20	Monthly May - Jun	End of period Jun 19 - Jun 20
Food & catering services	1,517.5	-0.5	-0.4	-0.107	-0.080
Food at home	1,087.7	-0.5	-1.0	-0.092	-0.183
Bread and cereals	178.1	2.3	3.0	0.049	0.064
Rice	23.5	0.4	1.3	0.001	0.004
Bread	72.1	6.5	8.3	0.063	0.079
Pasta products	9.2	0.4	1.6	0.000	0.002
Other cereals and cereal products	73.3	-2.0	-2.7	-0.015	-0.021
Meat	242.5	-0.1	2.0	-0.003	0.061
Bovine	67.3	0.8	4.5	0.007	0.037
Swine	25.5	-0.2	4.0	-0.001	0.012
Poultry	75.7	-1.2	-1.6	-0.012	-0.016
Other meat and meat preparations	74.0	0.3	3.1	0.003	0.028
Fish and other seafood	49.0	0.4	2.8	0.002	0.015
Fish and seafood preparations	49.0	0.4	2.8	0.002	0.015
Milk, cheese and eggs	135.3	-0.9	2.3	-0.015	0.040
Cheese	55.4	-0.1	2.1	-0.001	0.016
Eggs	16.6	-4.2	14.8	-0.008	0.024
Milk	40.0	-0.4	0.5	-0.002	0.003
Other milk products	23.3	-2.0	-1.3	-0.004	-0.003
Oils and fats	32.2	-0.5	2.5	-0.002	0.012
Corn oil	2.8	-0.6	0.1	0.000	0.000
Butter and margarine	9.2	-0.1	-0.8	0.000	-0.001
Other oils and fats	20.1	-0.7	4.8	-0.002	0.013
Fruit	97.6	-3.6	-7.8	-0.168	-0.383
Oranges	9.4	0.2	14.6	0.000	0.016
Bananas and plantains	19.9	-7.8	-10.2	-0.036	-0.048
Apples	9.3	-1.4	-4.3	-0.002	-0.007
Avocado	5.0	-0.9	-20.4	-0.008	-0.233
Grapes	9.2	-4.9	-32.9	-0.008	-0.080
Nuts	11.9	1.5	2.9	0.002	0.003
Lemons and mandarins	6.0	-15.3	-16.2	-0.011	-0.011
Cherries and strawberries	8.8	-7.7	-11.3	-0.080	-0.122
Melons and watermelons	7.7	-3.7	7.9	-0.031	0.060
Papayas and pineapples	6.9	-1.2	-4.7	-0.007	-0.028
Other fruits and fruit products	3.5	6.0	37.9	0.014	0.068
Potatoes and other tubers	18.2	9.5	6.2	0.023	0.016
Potatoes	12.2	12.3	8.4	0.023	0.016
Other tubers	2.0	-1.4	3.6	0.000	0.001
Sweet potatoes and yucca	4.0	0.3	-4.7	0.000	-0.002
Vegetables	89.1	0.7	-5.5	0.011	-0.093
Lettuce	6.8	4.6	-9.4	0.002	-0.005
Tomatoes	9.7	-12.9	18.3	-0.020	0.021
Onions and garlic	18.7	3.7	-5.1	0.020	-0.031
Celery and broccoli	15.3	0.7	-20.8	0.002	-0.080
Other vegetables	15.3	2.2	4.4	0.005	0.009
Other preserved or processed vegetables	8.4		13.4	0.000	0.003
Frozen vegetable mixtures	14.8	1.1	-5.3	0.002	-0.010
Sugar, jam, honey and other confectionery	42.0	-0.2	0.0	-0.001	0.000
Sugar	12.1	-0.5	-0.9	-0.001	-0.001
Jams and jellies	2.5	-1.6	1.9	0.000	0.001
Other confectionery products	27.5	0.1	0.2	0.000	0.001
Food products n.e.c.	80.1	1.2	6.2	0.012	0.056
Other food products	80.1	1.2	6.2	0.012	0.056
Non-alcoholic beverages	123.6	0.0	1.8	0.000	0.028
Coffee and tea	20.9	2.1	1.1	0.004	0.002
Other non-alcoholic beverages	14.6	-0.8	2.3	-0.002	0.004
Soft and sports drinks	31.0	-1.3	2.0	-0.005	0.008
Fruit juices	57.1	0.3	1.9	0.002	0.014
Food away from home	429.8	-0.3	2.0	-0.014	0.104
Food and beverage consumption away from home	429.8	-0.3	2.0	-0.014	0.104
Other goods and services	8,482.5	-0.1	-0.2	-0.112	-0.175
Other goods	4,735.8	-0.3	-4.8	-0.120	-2.038
Other services	3,746.7	0.0	5.4	0.009	1.863
CPI	10,000	-0.2	-0.3	-0.218	-0.255

Source: Central Bureau of Statistics Aruba

APPENDIX 4

Overview of Consumer Price Index (CPI) 2019 - 2020, (Jun 2019 = 100)

	Base Jun-19 =100.0	Base Jun-19 =100.0	Base Jun-19 =100.0	Base Jun-19 =100.0	YEAR: 2020				YEAR: 2019			
					CHANGE				CHANGE			
					Monthly	Year-to date	Yearly	Period average	Monthly	Year-to date	Yearly	Period average
	Jan'19	Dec'18	Jan'20	Dec'19								
<u>Total Population</u>	96.25	96.67	101.56	101.66	-0.1	-0.1	5.5	4.4	-0.4	-0.4	3.6	3.8
Low Income	96.24	96.29	101.03	101.36	-0.3	-0.3	5.0		-0.1	-0.1	4.4	
High Income	96.29	96.86	102.06	102.11	-0.04	-0.04	6.0		-0.6	-0.6	3.3	
	Feb'19	Jan'19	Feb'20	Jan'20								
<u>Total Population</u>	96.66	96.25	101.73	101.56	0.2	0.1	5.2	4.6	0.4	0.0	3.0	3.9
Low Income	96.66	96.24	101.64	101.03	0.6	0.0	5.2		0.4	0.4	3.5	
High Income	96.68	96.29	102.46	102.06	0.4	0.8	6.0		0.4	-0.2	2.7	
	Mar'19	Feb'19	Mar'20	Feb'20								
<u>Total Population</u>	98.00	96.66	101.43	101.73	-0.3	-0.2	3.5	4.6	1.4	1.4	3.5	3.9
Low Income	98.07	96.66	101.36	101.64	-0.3	-0.3	3.4		1.5	1.8	4.2	
High Income	97.99	96.68	102.11	102.46	-0.3	0.4	4.2		1.3	1.2	3.1	
	Apr'19	Mar'19	Apr'20	Mar'20								
<u>Total Population</u>	98.83	98.00	100.69	101.43	-0.7	-1.0	1.9	4.4	0.8	2.2	4.5	4.1
Low Income	98.74	98.07	100.93	101.36	-0.4	-0.7	2.2		0.7	2.5	4.9	
High Income	98.86	97.99	101.23	102.11	-0.9	-0.4	2.4		0.9	2.1	4.4	
	May'19	Apr'19	May'20	Apr'20								
<u>Total Population</u>	99.19	98.83	99.96	100.69	-0.7	-1.7	0.8	4.1	0.4	2.6	4.5	4.2
Low Income	99.37	98.74	100.20	100.93	-0.7	-1.4	0.8		0.6	3.2	5.1	
High Income	99.12	98.86	100.53	101.23	-0.7	-1.1	1.4		0.3	2.3	4.3	
	Jun'19	May'19	Jun'20	May'20								
<u>Total Population</u>	100.00	99.19	99.75	99.96	-0.2	-1.9	-0.3	3.6	0.8	3.4	4.8	4.3
Low Income	100.00	99.37	99.76	100.20	-0.4	-1.9	-0.2		0.6	3.9	5.5	
High Income	100.00	99.12	100.48	100.53	-0.1	-1.2	0.5		0.9	3.2	4.5	
	Jul'19	Jun'19	Jul'20	Jun'20								
<u>Total Population</u>	100.06	100.00							0.1	3.5	3.7	4.2
Low Income	99.91	100.00							-0.1	3.8	4.3	
High Income	100.13	100.00							0.1	3.4	3.4	
	Aug'19	Jul'19	Aug'20	Jul'20								
<u>Total Population</u>	99.80	100.06							-0.3	3.2	4.0	4.1
Low Income	99.75	99.91							-0.2	3.6	4.5	
High Income	99.84	100.13							-0.3	3.1	3.8	
	Sep'19	Aug'19	Sep'20	Aug'20								
<u>Total Population</u>	100.00	99.80							0.2	3.4	4.4	4.1
Low Income	99.84	99.75							0.1	3.7	4.7	
High Income	100.08	99.83							0.3	3.3	4.2	
	Oct'19	Sep'19	Oct'20	Sep'20								
<u>Total Population</u>	100.49	100.00							0.5	3.9	5.0	4.2
Low Income	100.54	99.84							0.7	4.4	5.5	
High Income	100.65	100.08							0.6	3.9	5.0	
	Nov'19	Oct'19	Nov'20	Oct'20								
<u>Total Population</u>	100.53	100.49							0.04	4.0	4.8	4.2
Low Income	100.46	100.54							-0.1	4.3	5.1	
High Income	100.77	100.65							0.1	4.0	4.8	
	Dec'19	Nov'19	Dec'20	Nov'20								
<u>Total Population</u>	101.66	100.53							1.1	5.2	5.2	4.3
Low Income	101.36	100.46							0.9	5.3	5.3	
High Income	102.11	100.77							1.3	5.4	5.4	

Source: Central Bureau of Statistics Aruba

APPENDIX 5

Prices of crude oil, utilities and gasoline, 2001 - 2020

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
Average 2018	65.08	34.52	35.72	45.93	12.50	265.65	137.05	204.95	177.59
Average 2019	56.84	34.52	35.72	45.93	12.50	265.65	137.05	202.67	176.53
January-20	57.92	31.09	31.99	42.09	12.50	240.09	137.05	204.60	179.20
February-20	50.67	31.09	31.99	42.09	12.50	240.09	137.05	201.90	172.40
March-20	30.40	31.09	31.99	42.09	12.50	240.09	137.05	197.20	160.60
April-20	17.39	31.09	31.99	42.09	12.50	240.09	137.05	160.60	136.70
May-20	26.57	31.09	31.99	42.09	12.50	240.09	137.05	144.70	119.00
June-20	38.19	31.09	31.99	42.09	12.50	240.09	137.05	160.50	121.60
July-20									
August-20									
September-20									
October-20									
November-20									
December-20									
Average 2020	36.86	31.09	31.99	42.09	12.50	240.09	137.05	178.25	148.25

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