

Consumer Price Index, base period June 2019 September 2020

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

Consumer Price Index for the month of September 2020

The CPI for September 2020 is 100.91, an increase of 0.2% compared to the index of August 2020 (100.66) and accumulating a decrease of 0.7% up to and including September of this year.

The percentage change of the CPI over the last twelve (12) months (September 2019 to September 2020) is 0.9, a decrease of 3.5 percentage points (ppts) compared to the percentage change for the same period of last year (4.4%).

The period average percentage change of the CPI for the period September 2019 - September 2020 is 2.7%, a decrease of 1.4 ppts compared to the period average percentage change over the period September 2018 - September 2019 (4.1%).

During this month, six (6) of the twelve (12) sectors registered increases in prices. The increases that had the greatest influence on the CPI were registered for the "Housing" (0.8%), "Clothing and footwear" (4.0%) and "Transport" (0.6%) sectors, which contributed with an effect of 0.21, 0.08 and 0.08 ppts, respectively. The increases in the remaining sectors had an effect of 0.10 ppts on the CPI of September 2020.

Aforementioned increases were partially offset mainly by a decrease in the index for the "Household operation" (-1.4%) sector, causing an effect of -0.09 ppts. The decreases in the remaining sectors had an effect of -0.13 ppts on the CPI of September 2020.

The increase in the "Housing" sector was mainly due to an increase in the category "Maintenance and repair of the dwelling" (4.2%), which contributed to an effect of 0.20 ppts. The increase in the "Clothing and footwear" sector was mainly caused by an increase of 4.5% in the category "Clothing", which contributed to an effect of 0.08 ppts. The increase in the "Transport" sector was due to an increase in the category "Operation of personal transport equipment" (1.1%), which contributed to an effect of 0.08 ppts.

The decrease in the "Household operation" sector was mainly due to a decrease in the category "Household appliances" (-9.7%), which contributed to an effect of -0.12 ppts.

Consumption basket

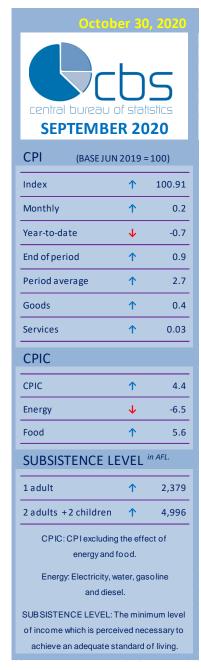
The consumption basket of the CPI consists of 408 goods and services. Compared to August 2020, 34.5% of these products had an increase in price, causing an effect of 0.92 ppts, while 29.1% showed a decrease, contributing to an effect of -0.68 ppts and the remaining 36.4% had no change in price. The prices of goods increased by 0.4% and caused an influence of 0.23 ppts. The prices of services showed a slight increase of 0.03% and had an influence of 0.01 ppt on the CPI of September 2020.

Core inflation

The CPIC (core inflation) - CPI excluding the effect of energy and food – was 4.4% in September 2020. The energy index - which consists of the products: electricity, water, gasoline and diesel – was -6.5%. The food index showed an increase of 5.6%.

Subsistence level

The subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-15 years) in September 2020 is Afl. 4,996, an increase of Afl. 4 compared to September 2019 (Afl. 4,992). The subsistence level for a single adult household is Afl. 2,379, an increase of Afl. 2 compared to September 2019 (Afl. 2,377).





Press Release Consumer Price Index September 2020

Table 1 Overview pe	rcentage	change	of the C	PI									
	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20
Index	100.00	100.49	100.53	101.66	101.56	101.73	101.43	100.69	99.96	99.75	100.10	100.66	100.91
Monthly	0.2	0.5	0.0	1.13	-0.1	0.2	-0.3	-0.7	-0.7	-0.2	0.4	0.6	0.2
Year-to-date	3.4	3.9	4.0	5.2	-0.1	0.1	-0.2	-1.0	-1.7	-1.9	-1.5	-1.0	-0.7
End of period	4.4	5.0	4.8	5.2	5.5	5.2	3.5	1.9	0.8	-0.3	0.04	0.9	0.9
Period average	4.1	4.2	4.2	4.3	4.4	4.6	4.6	4.4	4.1	3.6	3.3	3.0	2.7
Goods	0.1	0.0	-0.4	0.6	0.0	-0.5	-0.5	-1.3	-1.2	-0.4	0.8	1.1	0.4
Services	0.4	1.2	0.7	1.9	-0.2	1.1	0.0	0.1	-0.1	-0.01	-0.24	-0.17	0.03
CPIC	3.0	3.2	3.4	3.5	3.8	4.1	4.3	4.3	4.4	4.3	4.3	4.4	4.4
Energy	0.8	0.3	-0.2	-0.3	-0.5	-0.7	-1.2	-2.1	-3.4	-4.4	-5.1	-5.9	-6.5
Food	13.1	13.5	13.5	13.2	13.0	13.3	12.7	12.1	10.9	9.5	8.2	6.8	5.6
1 adult	2,377	2,382	2,375	2,387	2,393	2,395	2,385	2,382	2,366	2,366	2,362	2,371	2,379
2 adults +2 children	4,992	5,002	4,987	5,013	5,026	5,030	5,009	5,002	4,968	4,969	4,960	4,979	4,996
Source: Central Bureau	of Statistic	s Aruba											

Table 2 Percentage change by sect	or					
			Monthly		End of period	
Sector	coefficient	Aug-Sep	Aug-Sep	Dec - Sep	Sep 19 - Sep 20	Sep 19 - Sep 20
СРІ	10,000.0	0.25	0.2	-0.7	0.9	2.7
01. Food and non-alcoholic beverages	1,087.7	-0.05	-0.3	1.4	0.3	5.5
02. Alcoholic beverages and tobacco	78.2	0.00	-0.2	1.2	1.2	6.8
03. Clothing and footwear	276.8	0.08	4.0	-8.2	-5.0	1.2
04. Housing	2,522.2	0.21	0.8	-1.2	-0.9	-0.8
05. Household operation	929.2	-0.09	-1.4	-5.2	-5.4	0.3
06. Health	223.1	0.06	3.1	6.2	4.9	0.9
07. Transport	1,257.4	0.08	0.6	-3.6	-0.6	-1.0
08. Communications	849.6	0.00	-0.03	-0.02	-0.05	1.1
09. Recreation and culture	1,013.3	-0.07	-0.7	2.4	17.6	20.2
10. Education	98.0	0.00	0.0	0.2	0.2	0.1
11. Restaurants and hotels	442.0	0.01	0.1	-0.4	1.9	3.0
12. Miscellaneous goods and services	1,222.6	0.04	0.3	-0.2	-0.1	1.2
Source: Central Bureau of Statistics Arubo	מ					

Table 3 Categories with the greatest pos	itive effect	on the
CPI of September 2020		
Category	change	
Maintenance and repair of the dwelling	4.2	0.20
Operation of personal transport equipment	1.1	0.08
Clothing	4.5	0.08
Medical products, appliances and equipment	5.4	0.07
Source: Central Bureau of Statistics Aruba		

CPI of September 2020		
	Monthly	
Category	change	
Household appliances	-9.7	-0.12
Other recreational items and equipment; gardens		
and pets	-1.4	-0.05
Food	-0.3	-0.05
Audio-visual, photographic and information		
processing equipment	-10.4	-0.03
Source: Central Bureau of Statistics Aruba		

Table 4 Categories with the greatest negative effect on the



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

The prices of utilities (electricity and water), gasoline and diesel are for the greater part determined by international crude oil prices. In September 2020 the average price per barrel of crude oil (US\$ 39.64) had a decrease of US\$ 2.69 (-6.4%) compared to August 2020 (US\$ 42.33).

The total energy charge per kWh for the usage of electricity up to 500 kWh did not change in September 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 September 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 September 2020, it stayed at Afl. 42.09 cents per kWh. The prices of electricity and water did not change compared to August 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 September 2020 the price of gasoline registered an increase of Afl. 2.10 cents (1.2%) and had an effect of 0.05 ppts on the CPI. The price of diesel registered a slight decrease of Afl. 0.20 cents (-0.1%) and had an insignificant effect on the CPI of September 2020.

In September 2020, utilities, gasoline and diesel as a group showed an increase in price of 0.3% compared to August 2020, and had an influence of 0.05 ppts on the CPI, while the remaining 404 goods and services, as a group, experienced an increase of 0.2% in price, causing an effect of 0.20 ppt on the CPI.

Table 6 Effect on the CPI of	Septembe	r 2020 of go	ods and			
services which are depend	lent on cruc	le oil prices	5			
		Monthly	Effect			
Category		change				
Electricity	810.2	0.0	0.00			
Gasoline	430.5	1.2	0.05			
Water	367.3	0.0	0.00			
Diesel	30.2	-0.1	0.00			
Total group	1,638.1	0.3	0.05			
Remaining goods and services	8,361.9	0.2	0.20			
CPI	10,000.0	0.2	0.25			
Source: Central Bureau of Statistics Aruba						

			201					2020						
,		Total	Total						Total	Total				
Month	oil	≤500 kWh	501-1000 kWh	Electricity	Water	Gasoline	Diesel	oil	≤500 kWh	501-1000 kWh	Electricity	Water	Gasoline	Diesel
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	40.58	31.09	31.99	240.09	137.05	174.90	135.00
August	55.17	34.52	35.72	265.65	137.05	215.10	177.20	42.33	31.09	31.99	240.09	137.05	178.10	140.70
September	57.03	34.52	35.72	265.65	137.05	204.50	172.80	39.64	31.09	31.99	240.09	137.05	180.20	140.50
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	38.19	31.09	31.99	240.09	137.05	178.08	145.08

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 Electricty 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 m 3

⁵ Gasoline and diesel prices in Afl. cents per liter



Change in prices of Food & catering services in September 2020

The "Food & catering services" index showed a decrease of 0.2% in September 2020, after a decrease of 0.3% in August 2020. The index for "Food at home" showed a decrease of 0.3% in September, as six (6) of the eleven (11) "Food at home" indices decreased in September 2020. The "Vegetables" index registered the largest decrease (-1.6%) in September 2020. Furthermore, decreases were posted in the indices for "Fruit" (-1.2%), "Sugar, jam, honey and other confectionery" (-0.6%) and "Non-alcoholic beverages" (-0.5%).

The "Potatoes and other tubers" index registered the largest increase (9.7%) in September 2020.

Over the last twelve (12) months, the "Food & catering services" has increased by 0.7%. The "Food at home" index showed an increase of 0.3%. The "Potatoes and other tubers" index increased by 14.3%, the largest increase among the "Food at home" food groups, while the "Fruit" index decreased by 3.4%, the largest decrease among the "Food at home" food groups.

The index for "Food away from home" shows an increase of 0.1% in September 2020 and has increased by 2.1% over the last twelve (12) months.

In September 2020, "Food at home" and "Food away from home" as a group showed a decrease in price of 0.2% compared to August 2020, 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 0.4%, causing an effect of 0.29 ppts on the CPI.

Table 8 Effect on the CPI of home and Food away from	•	r 2020 of Fo	od at
		Monthly	Effect
Category		change	
Food at home	1,087.7	-0.3	-0.05
Food away from home	429.8	0.1	0.01
Total group	1,517.5	-0.2	-0.05
Remaining goods and services	8,482.5	0.4	0.29
CPI	10,000.0	0.2	0.25
Source: Central Bureau of Statis	stics Aruba		

							End of period		End of period
	coefficient	Sep-19	Aug-20	Sep-20	Jul - Aug	Aug - Sep	Sep 19 - Sep 20	Aug - Sep	Sep 19 - Sep 2
ood & catering services	1,517.5	148.25	149.55	149.23	-0.3	-0.2	0.7	-0.047	0.150
Food at home	1,087.7	160.16	161.06	160.57	-0.3	-0.3	0.3	-0.052	0.045
Bread and cereals	178.1	121.09	124.44	123.97	-0.8	-0.4	2.4	-0.008	0.051
Meat	242.5	126.21	128.69	128.51	-0.1	-0.1	1.8	-0.004	0.056
Fish and other seafood	49.0	111.90	113.81	115.01	-1.6	1.1	2.8	0.006	0.015
Milk, cheese and eggs	135.3	127.06	128.62	128.89	-0.2	0.2	1.4	0.004	0.025
Oils and fats	32.2	152.65	154.46	155.53	0.2	0.7	1.9	0.003	0.009
Fruit	97.6	473.51	462.81	457.21	-0.4	-1.2	-3.4	-0.054	-0.159
Potatoes and other tubers	18.2	140.37	146.29	160.47	8.8	9.7	14.3	0.026	0.037
Vegetables	89.1	186.18	183.36	180.41	-2.5	-1.6	-3.1	-0.026	-0.051
Sugar, jam, honey and other confectionery	42.0	99.53	101.81	101.22	1.9	-0.6	1.7	-0.002	0.007
Food products n.e.c.	80.1	116.12	121.89	123.41	-0.1	1.2	6.3	0.012	0.058
Non-alcoholic beverages	123.6	126.31	126.65	126.04	0.7	-0.5	-0.2	-0.007	0.002
Food away from home	429.8	118.09	120.41	120.54	-0.1	0.1	2.1	0.005	0.105
Other goods and services	8,482.5	91.37	91.91	92.26	0.8	0.4	1.0	0.295	0.760
Other goods	4,735.8	90.17	87.75	88.36	1.7	0.7	-2.0	0.287	-0.853
Other services	3,746.7	92.88	97.17	97.19	-0.2	0.0	4.6	0.008	1.613
CPI	10,000.0	100.00	100.66	100.91	0.6	0.2	0.9	0.248	0.910



The subsistence level in September 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 lev	el in Aruba	(in Afl.) by	sector
for a family of 2 adults and 2 chi	ldren (aged	0-15 years)
Sector	Sep-19	Sep-20	Change
Food and non-alcoholic beverages	2,167	2,173	6
Clothing and footwear	278	264	-14
Housing	1,360	1,347	-13
Household operation	132	125	-7
Health	78	82	4
Transport	269	267	-2
Communications	140	139	-1
Recreation and culture	171	202	31
Education	75	75	0
Miscellaneous goods and services	323	322	-1
Total	4,992	4,996	4
Source: Central Rureau of Statistics Ari	ıha		

In September 2020 the monthly subsistence level for a household consisting of two (2) adults and two (2) children (aged 0-15 years) (Afl. 4,996) showed an increase of Afl. 4 compared to September 2019 (Afl. 4,992) and was mainly caused by an increase of Afl. 31 in the sector "Recreation and culture".

Table 10 Monthly Subsistence level in Aruba (in Afl.) by family size and composition, September 2020 (Base period Oct. 2010)

	- 				
		Eq	uivalence s	cales	
	1	1.3	1.5	1.8	2.1
Period		+1 child		+1 child	+2 children
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
Jul-20	2,362	3,071	3,543	4,252	4,960
Aug-20	2,371	3,083	3,557	4,268	4,979
Sep-20	2,379	3,093	3,569	4,282	4,996
Source: Cent	ral Bureau of	Statistics Ar	uba		

In September 2020, the monthly subsistence level for a single adult household is Afl 2,379, which represents an income deficit of Afl. 564, a decrease of Afl. 51 compared to the deficit observed one year ago (Afl. 615). This deficit is the second highest registered over a period of five (5) years for the month September.

		hly income sur	,	<i>'</i>
			Minimum	
	Period	1 adult	wage	Surplus/deficit
١	2016	2,065	1,678	-387
	2017	2,085	1,711	-374
	2018	2,208	1,711	-497
	2019	2,377	1,762	-615
	2020	2,379	1,815	-564
ı				

Source: Central Bureau of Statistics Aruba

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

DESCRIPTION	WEIGHT		2019 Dec	2020 Aug	2020 Sep	Monthly Aug - Sep	Ytd Dec - Sep	End of period Sep 19 - Sep 20	Period ave Sep 19 - Se
	coemcient	Зер	Dec	лиБ	Зер	Aug - Jep	Вес-Зер	3cp 13 - 3cp 20	3ep 13 - 3e
Food and non-alcoholic beverages	1,087.7	160.16	158.32	161.06	160.57	-0.3	1.4	0.3	5.5
Food			162.32			-0.3	1.7	0.3	5.6
Non-alcoholic beverages	123.6	126.31	127.08	126.65	126.04	-0.5	-0.8	-0.2	4.5
Alcoholic beverages and tobacco	78.2	133.01	133.04	134.89	134.63	-0.2	1.2	1.2	6.8
Alcoholic beverages for consumption at home			114.88			-0.3	-0.1	-0.2	7.0
Tobacco	16.0	203.07	203.61	211.88	211.88	0.0	4.1	4.3	6.4
Clothing and footwear		80.84	83.63	73.80		4.0	-8.2	-5.0	1.2
Clothing		85.96 63.82	89.29	80.26 52.30		4.5 1.6	-6.1 -18.0	-2.4 -16.7	4.6
Footwear	04.0	03.02	04.60	32.30	33.10	1.0	-10.0	-10.7	-13.3
Housing	2,522.2	102.92	103.19	101.15	101.97	0.8	-1.2	-0.9	-0.8
Actual rentals for housing	666.7	126.81	127.28	128.55	128.71	0.1	1.1	1.5	1.5
Imputed rentals for housing	34.4	105.29	105.29	105.29	105.29	0.0	0.0	0.0	0.4
Maintenance and repair of the dwelling	517.0	89.76	87.75	90.73	94.54	4.2	7.7	5.3	2.7
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	2.7
Electricity, gas and other fuels	840.4	96.16	96.16	87.19	87.19	0.0	-9.3	-9.3	-7.0
Household operation	929.2	77.15	76.96	73.99	72 98	-1.4	-5.2	-5.4	0.3
Furniture, furnishings, carpets and other floor coverings		45.78	37.81	27.72		-6.5	-31.4	-43.4	-24.7
Household textiles		60.68	56.79	45.27	45.48	0.5	-19.9	-25.0	-21.1
Household appliances	246.0		59.20	51.90	46.84	-9.7	-20.9	-16.1	10.2
Glassware, tableware and household utensils	17.2	65.63	63.13	56.90	63.33	11.3	0.3	-3.5	-0.5
Tools and equipment for house and garden	58.2	46.65	48.86	52.86	58.15	10.0	19.0	24.6	2.6
oods and services for routine household maintenance and cleaning	420.5	106.23	106.60	108.71	108.97	0.2	2.2	2.6	2.4
11. 111	222.4	04.00	02.02	06.40	00.46	2.4		4.0	•
Health		84.96	83.93	86.49	89.16	3.1	6.2	4.9	0.9
Medical products, appliances and equipment		89.57	87.78 77.72	90.69 80.00	95.59 81.04	5.4 1.3	8.9 4.3	6.7	1.4 2.0
Out-patient services Other treatments		76.07	76.36	78.60	79.62	1.3	4.3	4.3 4.7	3.3
Health products and services n.e.c.		61.02	64.78	64.02		-31.8	-32.6	-28.4	-15.1
Health products and services n.e.c.	10.5	01.02	04.76	04.02	43.07	-31.6	-32.0	-28.4	-13.1
Transport	1,257.4	98.78	101.85	97.60	98.22	0.6	-3.6	-0.6	-1.0
Purchase of vehicles	442.6	90.24	95.69	99.12	99.12	0.0	3.6	9.8	5.5
Operation of personal transport equipment			105.21		98.61	1.1	-6.3	-5.7	-5.2
Transport services	51.5	86.77	105.11	84.78	84.78	0.0	-19.3	-2.3	16.2
Communications	849.6	77.93	77.90	77.91	77.89	0.0	0.0	0.0	1.1
Telephone and telefax equipment	43.8	16.87	16.36	16.58	16.12	-2.8	-1.5	-4.4	-14.5
Telephone and telefax services	805.8	81.25	81.25	81.25	81.25	0.0	0.0	0.0	1.3
								4= 6	
Recreation and culture	1,013.3		95.35	98.33		-0.7	2.4	17.6	20.2
Audio-visual, photographic and information processing equipment		51.94	72.13	56.25	50.42	-10.4	-30.1	-2.9	-5.3
Other major durables for recreation and culture		33.65	38.43	39.95	39.39	-1.4	2.5	17.0	3.5
Other recreational items and equipment; gardens and pets Recreational and cultural services		89.04	120.07 88.54	94.57		-1.4 0.0	3.4 6.8	2.9 6.2	6.0 4.3
Newspapers, books and stationery		76.39	75.57	76.75	76.89	0.0	1.7	0.6	-1.0
Holidays		55.31		93.24		0.4	2.0	69.2	87.9
Education			109.30			0.0	0.2	0.2	0.1
Pre primary and primary education		86.66	86.66	86.66	86.66	0.0	0.0	0.0	0.0
Secondary education	43.4		94.62			0.0	0.0	0.0	0.0
Post-secondary non-tertiary education			102.85			0.0	0.0	0.0	0.0
Tertiary education Education not definable by level			160.49 109.74			0.0 0.0	0.0 6.7	0.0 6.7	0.0 5.0
Education not definable by level	2.5	109.74	109.74	117.00	117.00	0.0	6.7	0.7	5.0
Restaurants and hotels	442.0	117.20	119.96	119.33	119.45	0.1	-0.4	1.9	3.0
Catering services	429.8	118.09	120.31	120.41	120.54	0.1	0.2	2.1	3.0
Accommodation services	12.2	85.71	107.74	81.12	81.20	0.1	-24.6	-5.3	0.3
Miscellaneous goods and services	1 222 6	96 AF	96 F1	96 00	96 27	0.2	0.3	0.1	1.3
Miscellaneous goods and services Personal care	1,222.6		101.09			0.3 -0.1	- 0.2 -0.8	-0.1 -1.2	1.2 0.9
Personal care Personal effects n.e.c.			101.09			-0.1 3.8	-0.8 0.9	-1.2 3.1	8.0
Social protection			115.39			0.0	0.9	0.0	0.0
Social protection Insurance			68.97			0.0	0.0	0.0	0.0
insulance	010.7	55.57	55.57	55.50	55.00	0.0	0.1	0.1	0.1

APPENDIX 2

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

DESCRIPTION	WEIGHT	Monthly	Ytd Dog Son	End of period	Period average
	coefficient	Aug - Sep	Dec - Sep	Sep 19 - Sep 20	Sep 19 - Sep 20
Food and non-alcoholic beverages	1,087.7	-0.05	0.24	0.04	0.92
Food	964.1	-0.05	0.25	0.05	0.86
Non-alcoholic beverages	123.6	-0.01	-0.01	0.00	0.07
Alcoholic beverages and tobacco	78.2	0.00	0.01	0.01	0.07
Alcoholic beverages for consumption at home	62.2	0.00	0.00	0.00	0.05
Tobacco	16.0	0.00	0.01	0.01	0.02
Clothing and footwear	276.8	0.08	-0.19	-0.11	0.03
Clothing	212.8	0.08	-0.11	-0.04	0.08
Footwear	64.0	0.01	-0.07	-0.07	-0.06
Housing	2,522.2	0.21	-0.30	-0.24	-0.20
Actual rentals for housing	666.7	0.01	0.09	0.13	0.13
Imputed rentals for housing	34.4	0.00	0.00	0.00	0.00
Maintenance and repair of the dwelling	517.0	0.20	0.35	0.25	0.12
Water supply and miscellaneous services relating to the dwelling	463.6	0.00	0.00	0.14	0.12
Electricity, gas and other fuels	840.4	0.00	-0.74	-0.75	-0.58
Household operation	929.2	- 0.09	- 0.36	- 0.39	0.02
Furniture, furnishings, carpets and other floor coverings Household textiles	128.8 58.6	-0.02 0.00	-0.15 -0.07	-0.26 -0.09	-0.15 -0.08
Household appliances	246.0	-0.12	-0.30	-0.09	0.13
Glassware, tableware and household utensils	17.2	0.01	0.00	0.00	0.00
Tools and equipment for house and garden	58.2	0.03	0.05	0.07	0.01
Goods and services for routine household maintenance and cleaning	420.5	0.01	0.10	0.12	0.11
Health	223.1	0.06	0.11	0.09	0.02
Medical products, appliances and equipment	152.3	0.07	0.12	0.09	0.02
Out-patient services	52.4	0.01	0.02	0.02	0.01
Other treatments	7.8	0.00	0.00	0.00	0.00
Health products and services n.e.c.	10.5	-0.02	-0.02	-0.02	-0.01
Transport	1,257.4	0.08	-0.45	-0.07	-0.13
Purchase of vehicles	442.6	0.00	0.15	0.39	0.23
Operation of personal transport equipment	763.3	0.08	-0.50	-0.45	-0.42
Transport services	51.5	0.00	-0.10	-0.01	0.07
Communications	849.6	0.00	0.00	0.00	0.07
Telephone and telefax equipment	43.8	0.00	0.00	0.00	-0.01
Telephone and telefax services	805.8	0.00	0.00	0.00	0.09
Recreation and culture	1,013.3	-0.07	0.23	1.48	1.67
Audio-visual, photographic and information processing equipment Other major durables for recreation and culture	58.5 20.0	-0.03 0.00	-0.12 0.00	-0.01 0.01	-0.02 0.00
Other recreational items and equipment; gardens and pets	266.6	-0.05	0.00	0.01	0.00
Recreational and cultural services	309.1	0.00	0.18	0.17	0.12
Newspapers, books and stationery	43.7	0.00	0.01	0.00	0.00
Holidays	315.4	0.01	0.06	1.21	1.37
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	0.16
Catering services	429.8	0.01	0.01	0.11	0.16
Accommodation services	12.2	0.00	-0.03	-0.01	0.00
Miscellaneous goods and services	1,222.6	0.04	-0.02	-0.01	0.13
Personal care	427.1	-0.01	-0.03	-0.05	0.04
			0.01	0.04	0.00
Personal effects n.e.c.	106.6	0.04		0.04	0.09
Social protection	78.2	0.00	0.00	0.00	0.00
Social protection	78.2	0.00	0.00	0.00	0.00

APPENDIX 3

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

, ,	0	% Change		Effect		
DESCRIPTION	WEIGHT	Monthly	End of period	Monthly	End of period	
	coefficient	Aug - Sep	Sep 19 - Sep 20	Aug - Sep	Sep 19 - Sep 20	
Food & catering services	1,517.5	-0.2	0.7	-0.047	0.150	
rood & catering services	1,517.5	-0.2	0.7	-0.047	0.130	
Food at home	1,087.7	-0.3	0.3	-0.052	0.045	
Bread and cereals	178.1	-0.4	2.4	-0.008	0.051	
Rice	23.5	-0.2	3.1	-0.001	0.010	
Bread	72.1	-0.8	6.4	-0.008	0.061	
Pasta products	9.2	0.2	-1.7	0.000	-0.002	
Other cereals and cereal products	73.3	0.0	-2.3	0.000	-0.018	
Meat	242.5	-0.1	1.8	-0.004	0.056	
Bovine	67.3	-0.1	5.0	-0.001	0.040	
Swine	25.5	1.4	7.5	0.005	0.023	
Poultry	75.7	-1.0	-4.5	-0.010	-0.045	
Other meat and meat preparations	74.0	0.2	4.0	0.002	0.038	
Fish and other seafood	49.0	1.1	2.8	0.006	0.015	
Fish and seafood preparations	49.0	1.1	2.8	0.006	0.015	
Milk, cheese and eggs	135.3	0.2	1.4	0.004	0.025	
Cheese	55.4	0.4	4.0	0.004	0.032	
Eggs	16.6	0.7	11.4	0.001	0.018	
Milk	40.0	-0.5	-2.9	-0.003	-0.016	
Other milk products	23.3	0.7	-4.1	0.001	-0.008	
Oils and fats	32.2	0.7	1.9	0.003	0.009	
Corn oil	2.8	0.4	3.9	0.000	0.003	
Butter and margarine	9.2	0.1	4.9	0.000	0.008	
Other oils and fats	20.1	1.1	-0.1	0.003	0.000	
Fruit	97.6	-1.2	-3.4	-0.054	-0.159	
Oranges	9.4	11.5	27.5	0.016	0.033	
Bananas and plantains	19.9	0.9	-8.3	0.004	-0.039	
Apples	9.3	1.5	-1.2	0.002	-0.002	
Avocado	5.0	-0.1	-6.2	-0.001	-0.053	
Grapes	9.2	0.0	11.4	0.000	0.020	
Nuts	11.9	-0.5	-1.6	-0.001	-0.002	
Lemons and mandarins	6.0	0.2	-13.5	0.000	-0.010	
Cherries and strawberries Melons and watermelons	8.8 7.7	-5.6 6.7	-11.7 3.6	-0.054 0.053	-0.119 0.029	
Papayas and pineapples	6.9	0.4	-7.7	0.003	-0.049	
Other fruits and fruit products	3.5	-25.7	17.1	-0.077	0.032	
other fruits and fruit products	5.5	23.7	17.1	0.077	0.032	
Potatoes and other tubers	18.2	9.7	14.3	0.026	0.037	
Potatoes	12.2	12.4	19.4	0.026	0.039	
Other tubers	2.0	-0.9	0.4	0.000	0.000	
Sweet potatoes and yucca	4.0	-1.0	-6.5	0.000	-0.002	
Vegetables	89.1	-1.6	-3.1	-0.026	-0.051	
Lettuce	6.8	-4.6	-19.2	-0.002	-0.012	
Tomatoes	9.7	-2.8	12.7	-0.004	0.016	
Onions and garlic	18.7	-3.7	-8.7	-0.022	-0.055	
Celery and broccoli	15.3	-1.3	-2.8	-0.004	-0.009	
Other vegetables	15.3	2.3	-0.8	0.005	-0.002	
Other preserved or processed vegetables	8.4	0.0	2.6	0.000	0.003	
Frozen vegetable mixtures	14.8	0.9	4.1	0.002	0.008	
Sugar, jam, honey and other confectionery	42.0	-0.6	1.7	-0.002	0.007	
Sugar	12.1	0.1	3.7	0.000	0.004	
Jams and jellies	2.5	2.2	4.8	0.001	0.001	
Other confectionery products	27.5	-1.2	0.5	-0.003	0.002	
•						
Food products n.e.c.	80.1	1.2	6.3	0.012	0.058	
Other food products	80.1	1.2	6.3	0.012	0.058	
Non-alcoholic beverages	123.6	-0.5	-0.2	-0.007	-0.003	
Coffee and tea	20.9	-1.5	0.7	-0.003	0.001	
Other non-alcoholic beverages	14.6	0.2	1.8	0.000	0.003	
Soft and sports drinks	31.0	1.3	1.5	0.005	0.006	
Fruit juices	57.1	-1.3	-1.8	-0.010	-0.014	
Food away from have	430.0	2.4	2.4	0.005	0.405	
Food and hoverage consumption away from home	429.8	0.1	2.1 2.1	0.005	0.105 0.105	
Food and beverage consumption away from home	429.8	0.1	2.1	0.005	0.105	
Other goods and services	8,482.5	0.4	1.0	0.295	0.760	
Other goods	4,735.8	0.7	-2.0	0.287	-0.853	
Other services	3,746.7	0.0	4.6	0.008	1.613	
CPI	10,000	0.2	0.9	0.248	0.910	
Source: Central Bureau of Statistics Aruba	10,000	0.2	5.5	V.2-TO	0.510	

APPENDIX 4

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

					YEAR: 2020				YEAR: 2019			
	Base	Base	Base	Base		CHA	NGE		CHANGE			
	Jun-19	Jun-19	Jun-19	Jun-19	Monthly	Year-to	Yearly	Period	Monthly	Year-to	Yearly	Period
	=100.0	=100.0	=100.0	=100.0		date		average		date		average
		D 40		D 140								
Total Donulation	<u>Jan'19</u> 96.25	<u>Dec'18</u> 96.67	<u>Jan'20</u> 101.56	<u>Dec'19</u> 101.66	-0.1	-0.1	5.5	4.4	-0.4	-0.4	3.6	3.8
Total Population Low Income	96.23	96.29	101.36	101.86	-0.1 -0.3	-0.1 -0.3	5.0	4.4	-0.4 -0.1	-0.4 -0.1	4.4	3.0
High Income	96.29	96.86	101.03	101.30	-0.3 -0.04	-0.3 -0.04	6.0		-0.1	-0.1 -0.6	3.3	
riigii ilicollie	30.23	30.00	102.00	102.11	-0.04	-0.04	0.0		-0.0	-0.0	3.3	
	<u>Feb'19</u>	<u>Jan'19</u>	<u>Feb'20</u>	<u>Jan'20</u>								
Total Population	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	0.3	5.2		0.4	0.4	3.5	
High Income	96.68	96.29	102.46	102.06	0.4	0.3	6.0		0.4	-0.2	2.7	
	Mar'19	Feb'19	Mar'20	Feb'20								
Total Population	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	0.0	3.4		1.5	1.8	4.2	
High Income	97.99	96.68	102.11	102.46	-0.3	0.0	4.2		1.3	1.2	3.1	
	Apr'19	Mar'19	Apr'20	Mar'20								
Total Population	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	-0.4	2.2	7.7	0.7	2.5	4.9	7.1
High Income	98.86	97.99	101.23	102.11	-0.9	-0.9	2.4		0.9	2.1	4.4	
					0.5	0.5			0.5			
	May'19	Apr'19	May'20	Apr'20								
Total Population	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	-1.1	0.8		0.6	3.2	5.1	
High Income	99.12	98.86	100.53	101.23	-0.7	-1.5	1.4		0.3	2.3	4.3	
	<u>Jun'19</u>	May'19	<u>Jun'20</u>	May'20								
Total Population	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	-1.6	-0.2		0.6	3.9	5.5	
High Income	100.00	99.12	100.48	100.53	-0.1	-1.6	0.5		0.9	3.2	4.5	
	Jul'19	Jun'19	<u>Jul'20</u>	Jun'20								
Total Population	100.06	100.00	100.10	99.75	0.4	-1.5	0.04	3.3	0.1	3.5	3.7	4.2
Low Income	99.91	100.00	100.18	99.76	0.4	-1.2	0.3	0.0	-0.1	3.8	4.3	
High Income	100.13	100.00	100.71	100.48	0.2	-1.4	0.6		0.1	3.4	3.4	
T . ID . I .:	Aug'19	<u>Jul'19</u>	Aug'20	<u>Jul'20</u>	0.6	4.0	0.0	2.0	0.0	2.2	4.0	
Total Population	99.80	100.06		100.10	0.6	-1.0	0.9	3.0	-0.3	3.2	4.0	4.1
Low Income	99.75 99.84	99.91 100.13	100.73 101.28	100.18 100.71	0.5 0.6	-0.9 -0.4	1.0 1.4		-0.2 -0.3	3.6 3.1	4.5 3.8	
High Income	99.04	100.13	101.20	100.71	0.6	-0.4	1.4		-0.5	5.1	3.0	
	Sep'19	Aug'19	<u>Sep'20</u>	Aug'20								
Total Population	100.00	99.80	100.91	100.66	0.2	-0.7	0.9	2.7	0.2	3.4	4.4	4.1
Low Income	99.84	99.75	101.04	100.73	0.3	-0.6	1.2		0.1	3.7	4.7	
High Income	100.08	99.83	101.56	101.28	0.3	-0.1	1.5		0.3	3.3	4.2	
	Oct'19	Sep'19	Oct'20	Sep'20								
Total Population	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	
	No. da	0-4/10	Navi20	0-4120								
Total Population	Nov'19 100.53	Oct'19 100.49	<u>Nov'20</u>	Oct'20					0.04	4.0	4.8	4.2
Total Population Low Income	100.53	100.49							-0.1	4.0 4.3	4.8 5.1	4.2
High Income	100.46	100.54							0.1	4.3 4.0	4.8	
mgn meome		100.03							0.1	-7.0	٠.٠٠	
	Dec'19	Nov'19	<u>Dec'20</u>	Nov'20								
Total Population	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 o	f Statistics ,	Aruba										

APPENDIX 5

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

			Electricit						
	0 1		Electricit						
	Crude Crude oil ¹	Т	otal energy chargo	Fixed charge ³	Electricity ⁴	Water⁵	Gasoline ⁶	Diesel ⁶	
Month		≤ 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	40.58	31.09	31.99	42.09	12.50	240.09	137.05	174.90	135.00
August-20	42.33	31.09	31.99	42.09	12.50	240.09	137.05	178.10	140.70
September-20	39.64	31.09	31.99	42.09	12.50	240.09	137.05	180.20	140.50
October-20									
November-20									
December-20									
A	20.40	24.00	24.00	42.00	12.50	240.00	427.05	470.00	145.00
Average 2020	38.19	31.09	31.99	42.09	12.50	240.09	137.05	178.08	145.08

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 Electricty 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