# **Consumer Price Index**

## March 2011





## **Table of Contents**

Note to the Reader ii
1 MONTHLY CHANGE OF THE CPI1
1.1 CPI AND INFLATION
1.2 CHANGES IN SECTOR
1.3 Changes in categories and subcategories
2 END OF PERIOD CHANGE OF THE CPI
2.1 END OF PERIOD CHANGE CPI FOR MARCH 2011
2.2 Changes in sector
2.3 CHANGES IN CATEGORIES
2.4 END OF YEAR CHANGE CPI 2002 - 2011
2.5 PERIOD AVERAGE CHANGE CPI FOR MARCH 2011
3 DEVELOPMENT OF INDICES OF MAIN SECTORS AND UTILITIES
3 DEVELOPMENT OF INDICES OF MAIN SECTORS AND UTILITIES
3.1 Indices main sectors
3.1 INDICES MAIN SECTORS
3.1 INDICES MAIN SECTORS  3    3.2 ELECTRICITY  3    3.3 WATER  3
3.1 INDICES MAIN SECTORS  3    3.2 ELECTRICITY  3    3.3 WATER  3    3.4 CRUDE OIL, GASOLINE AND DIESEL  3
3.1 INDICES MAIN SECTORS  3    3.2 ELECTRICITY  3    3.3 WATER  3    3.4 CRUDE OIL, GASOLINE AND DIESEL  3    4 PERCENTAGE CHANGE CPI OF ARUBA'S MAJOR TRADING PARTNERS  4
3.1 INDICES MAIN SECTORS  3    3.2 ELECTRICITY  3    3.3 WATER  3    3.4 CRUDE OIL, GASOLINE AND DIESEL  3    4 PERCENTAGE CHANGE CPI OF ARUBA'S MAJOR TRADING PARTNERS  4    4.1 COMPARISON OF THE CPI OF ARUBA AND THE USA  4
3.1 INDICES MAIN SECTORS33.2 ELECTRICITY33.3 WATER33.4 CRUDE OIL, GASOLINE AND DIESEL34 PERCENTAGE CHANGE CPI OF ARUBA'S MAJOR TRADING PARTNERS44.1 COMPARISON OF THE CPI OF ARUBA AND THE USA45 CORE INFLATION5

## APPENDICES

APPENDIX 1: MONTHLY AND YEARLY % CHANGES IN THE CPI FOR MARCH 2011	6
APPENDIX 2: EFFECT ON THE CPI PER SECTOR AND CATEGORY FOR MARCH 2011	7
Appendix 3: Course of indices for 2005 up to March 2011	8

GLOSSARY
----------

### Note to the Reader

he following report presents the price statistics for March 2011.

- At the end of March 2011 the Consumer Price Index (CPI) increased by 0.7% compared to the end of February 2011. The sector which affected the CPI the most was "Recreation and culture" (3.6%), which led to an effect of 0.30 percentage points (ppts) on the  $\Delta$  CPI of March (0.7%).
- Compared to March 2010 the CPI increased by 1.3%. The sector which affected the CPI the most was "Transport" (4.1%). Specifically, prices of "Operation of personal transport equipment" increased by 10.4%. The increase in prices of this category caused an effect of 0.89 ppts on the end of period inflation of March (1.3%).
- The period average inflation for the period March 2010 March 2011 is 0.9%, which is 1.0 ppt higher compared to the period average inflation for the period March 2009 March 2010 (-0.1%).
- Utilities (Water and Electricity) did not register price changes in March 2011. Gasoline and diesel registered price increases in March 2011. The prices of gasoline and diesel increased by respectively 2.5% and 5.9% and caused a total effect of 0.18 ppts on the Δ CPI of March (0.7%).

This report is divided in 5 sections. An overview of the monthly percentage changes in the CPI and index per sector is presented in section 1. Section 2 provides the yearly percentage changes in the CPI and index per sector. The development of indices of main sectors and utilities is outlined in section 3. Section 4 presents the percentage change in the CPI of Aruba's major trading partners and compares the CPI of Aruba and the USA. Section 5 presents an overview of the monthly and yearly percentage changes of the core inflation, and is followed by the appendices.

For other specific information contact us at CBS or visit <u>www.cbs.aw</u>.

#### **Contact information:**

Central Bureau of Statistics L.G. Smith Boulevard 160 Oranjestad - Aruba Phone: 583-7433 ext 296 Fax: 583-8057 E-mail: Ldsilva@cbs.aw

## 1 Monthly change of the CPI

#### **1.1 CPI and Inflation**

The CPI of the total population of Aruba for the month of March 2011 is 115.9; an increase of 0.7% compared to the CPI of February 2011 (115.1). An overview of the percentage change in the CPI ( $\Delta$  CPI) for different periods during 2010 and 2011 is shown in Table 1. The terms percentage change in the CPI and "inflation" (deflation) are considered similar and are used interchangeably. The inflation over the last 12 months (end of period inflation) is 1.3%, while the inflation over a period of 24 months (period average inflation) is 0.9%.

#### Table 1: Overview of ∆ CPI

v Feb - Mar 0.7 0.3	
	nthly
date Dec - Mar 1.3 -0.7	r-to-date
months <sup>1</sup> Mar - Mar 1.3 5.0	12 months <sup>1</sup>
months <sup>2</sup> Mar - Mar 0.9 -0.1	24 months <sup>2</sup>
	12

Source: Central Bureau of Statistics Aruba

<sup>1</sup> End of period inflation

<sup>2</sup> Period average inflation

Figure 1 depicts the monthly  $\Delta$  CPI over a period of one year starting from March 2010, whereas the  $\Delta$  CPI for the month March for the years 2002 to 2011 is illustrated in Figure 2.

#### **1.2 Changes in sector**

Figure 3 provides an overview of the percentage changes for the indices per sector for March 2011. The percentage change in index is further denoted as  $\Delta$  I. The largest  $\Delta$  I<sup>1</sup> is observed for the sector "Recreation and culture" (3.6%).

#### 1.3 Changes in categories and subcategories

The largest positive and negative  $\Delta$  I is seen in the categories "Telephone and telefax equipment" (9.4%) and "Out-patient services" (-2.7%), respectively. The major  $\Delta$  I in the "Food and non-alcoholic beverages" sector is observed for the category "Food" which increased by 1.0%. The major  $\Delta$  I in the "Transport" sector is observed for the category "Operation of personal transport equipment" (1.9%), which is mainly the result of an increase in "Gasoline" of 2.5%.

The categories which influenced the CPI calculation the most are "Recreational and cultural services", "Operation of personal transport equipment" and "Food", which had an effect of respectively, 0.22, 0.17 and 0.11 ppts on the  $\Delta$  CPI. Reference is made to tables 11 and 12 in Appendices 1 and 2. Table 11 provides an overview of the indices for the months March 2010, December 2010, February 2011 and March 2011 together with corresponding weights per sector and the monthly, year-to-date (ytd), end of period and period average percentage changes for March 2011. In

table 12 an overview of the effect on the monthly, ytd, end of period and period average CPI per sector and category for March 2011 is presented. The course of indices for 2005 to 2011 is illustrated in Appendix 3.

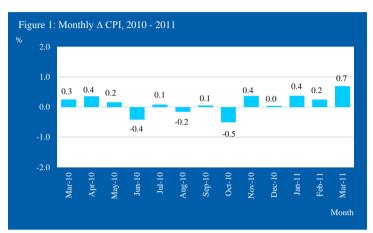
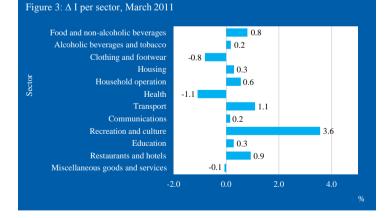


Figure 2: Monthly  $\Delta$  CPI for March, 2002 - 2011





<sup>&</sup>lt;sup>1</sup> The focus is on the four major sectors which are: Housing, Transport, Food and nonalcoholic beverages and Recreation and culture. Together these sectors form 64% of the total weight of the basket of goods and services.

# S Consumer Price Index Aruba End of period change March 2011

## 2 End of period change of the CPI

#### 2.1 End of period change CPI for March 2011

The CPI increased from 114.4 in March 2010 to 115.9 in March 2011, an increase of 1.3%. This  $\Delta$  CPI is the second lowest registered over a period of 5 years for the month March, and is 3.7 ppts lower than the  $\Delta$  CPI registered in 2010 (5.0%) (see table 2).

## Table 2: Overview of End of period Δ CPI for

Period	Δ CPI
2006-2007	4.0
2007-2008	9.7
2008-2009	-2.9
2009-2010	5.0
2010-2011	1.3

Source: Central Bureau of Statistics Aruba

#### 2.2 Changes in sector

An overview of the percentage change per sector over the period March 2010 - March 2011 is presented in table 3. The largest  $\Delta$  I is observed for the sector "Alcoholic beverages and tobacco" with an increase of 10.6%. This increase is mainly caused by an increase in the category "Tobacco" of 24.8%. The second largest  $\Delta$  I during this period is observed for the sector "Transport" with an increase of 4.1%. Furthermore, increases of 3.5% and 2.6% are observed for the sectors "Food and non-alcoholic beverages" and "Education". A comparison of the  $\Delta$  I's for the years 2010 and 2011 is provided in figure 4.

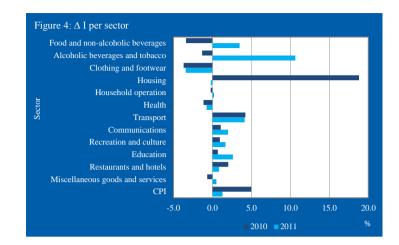
#### Table 3: Percentage change for March, 2010 - 2011

Period	% Change
Food and non-alcoholic beverages	3.5
Alcoholic beverages and tobacco	10.6
Clothing and footwear	-3.4
Housing	-0.2
Household operation	0.2
Health	-0.8
Transport	4.1
Communications	2.0
Recreation and culture	1.7
Education	2.6
Restaurants and hotels	0.8
Miscellaneous goods and services	0.5
CPI	1.3

Source: Central Bureau of Statistics Aruba

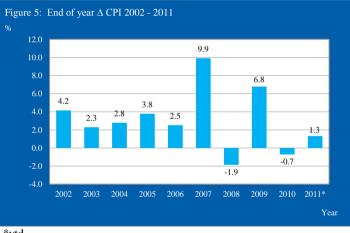
#### 2.3 Changes in categories

The largest positive and negative  $\Delta$  I in categories observed over a period of one year are respectively, "Tobacco" (24.8%) and 'Transport services'' (-9.8%). For an overview of the end of period percentage changes per category refer to table 11 in Appendix 1.



#### 2.4 End of year change CPI 2002 - 2011

The end of year  $\Delta$  CPI for the period 2002 - 2011 is shown in figure 5. The  $\Delta$  CPI for 2011 is calculated by comparing the CPI of March 2011 with the CPI of December 2010. At the end of each year, the end of year percentage change equals the ytd  $\Delta$ CPI. The ytd  $\Delta$  CPI for March 2011 is 1.3%.



#### \*ytd

#### 2.5 Period average change CPI for March 2011

The period average change CPI ( $\Delta$  ACPI) for March 2011 is 0.9%. Table 4 provides an overview of the  $\Delta$  ACPI for the month March for the years 2005 to 2011. The  $\Delta$  ACPI for 2011 increased by 1.0 ppt compared to 2010.

#### Table 4: Overview of Δ ACPI for March, 2005 - 2011

Period	Δ ΑCPI
2004-2005	2.7
2005-2006	3.9
2006-2007	3.4
2007-2008	6.9
2008-2009	5.7
2009-2010	-0.1
2011-2011	0.9

Source: Central Bureau of Statistics Aruba

Tral bureau of statistics Consumer Price Index Aruba Indices of main sectors and utilities

# **3** Development of indices of main sectors and utilities

#### 3.1 Indices main sectors

The four major sectors, "Housing", "Transport", "Food and nonalcoholic beverages" and "Recreation and culture", constitute 64% of the total weight of the basket of goods and services, which are observed on a monthly basis. An overview of the course of indices for 2005 - 2011 per sector and for the CPI is provided in figures 9-1 to 9-12 in Appendix 3.

Changes in the indices of the sectors "Housing" and "Transport" are mainly the result of changes in the international oil prices and prices of utilities during the respective months. The development of crude oil, fuel surcharge, electricity, water, gasoline and diesel prices is provided in table 5 and in the adjoining figures 6-1 and 6-2.

#### Table 5: Prices of crude oil, utilities, gasoline and diesel, 2010 - 2011

Month	Crude oil	Fuel surcharge <sup>2</sup>	Electricity <sup>3</sup>	Water <sup>4</sup>	Gasoline <sup>5</sup>	Diesel <sup>5</sup>
	P	500 500 80	,			
Mar-10	77.56	28.20	318.66	162.26	189.70	158.00
Apr-10	82.00	28.20	318.66	162.26	199.10	164.10
May-10	74.34	28.20	318.66	162.26	203.60	170.20
Jun-10	72.65	28.20	318.66	162.26	193.50	162.20
Jul-10	73.45	28.20	318.66	162.26	192.50	160.40
Aug-10	75.26	28.20	318.66	162.26	192.30	159.20
Sep-10	74.78	28.20	318.66	162.26	190.60	161.50
Oct-10	79.35	26.83	308.72	153.95	189.50	162.80
Nov-10	82.87	26.83	308.72	153.95	195.20	170.00
Dec-10	88.14	26.83	308.72	153.95	197.40	173.30
Jan-11	92.36	26.83	308.72	153.95	207.30	179.40
Feb-11	98.15	26.83	308.72	153.95	211.40	187.00
Mar-11	109.71	26.83	308.72	153.95	216.70	198.10

Source: Central Bureau of Statistics Aruba

<sup>1</sup> Avg. world crude oil price in US\$. (Source: U.S. Energy Information Administration)

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

<sup>3</sup> Electricty price in Afl.

<sup>4</sup> Water price in Afl.

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

#### **3.2 Electricity**

The price of electricity is determined in Afl. for an average usage by households. The average usage is 725.5 kWh per month. The electricity price for an average consumption of 725.5 kWh did not change in March 2011, it remained at Afl. 308.72. Figure 6-1 provides an overview of the course of changes in the electricity price for the period 2007 to 2011.

The component in the electricity tariff which is sensitive to price changes is the fuel surcharge (brandstofclausule). Figure 6-1 shows this component of the electricity tariff in Afl. per kWh per month. The fuel surcharge component of the electricity tariff did not change in March 2011, it stayed at 26.83 cents per kWh.

#### 3.3 Water

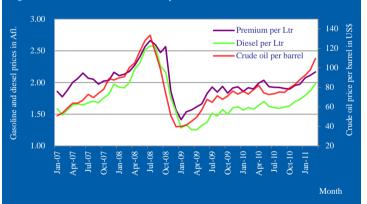
The price of water is determined in Afl. for an average usage (water consumption) by households. Figure 6-1 provides an overview of the course of changes in the water price for the period 2007 to 2011. The water price for an average usage by households did not change in March 2011, it remained at Afl. 153.95.

#### 3.4 Crude oil, Gasoline and Diesel

In March 2011 the average price of crude oil increased by US\$ 11.56 per barrel compared to February. The retail price of gasoline increased by 2.5% from 211.4 cents per liter in February 2011 to 216.7 cents per liter in March 2011. In March 2011, the retail price of diesel increased by 5.9% from 187.0 cents per liter in February 2011 to 198.1 cents per liter.



Figure 6-2 Gasoline, diesel and crude oil prices, 2007 - 2011



CDS CONSUMER PRICE INDEX Aruba CPI of Aruba's major trading partners

### 4 Percentage change CPI of Aruba's major trading partners

#### 4.1 Comparison of the CPI of Aruba and the USA

Table 6 provides an overview of the  $\Delta$  CPI of Aruba's major trading partners starting from March 2010. In March 2011 the  $\Delta$  CPI of the USA and the Netherlands were respectively 1.0% and 1.2%. The  $\Delta$  CPI of Curaçao for March 2011 is not yet available.

#### Table 6: Monthly Δ CPI 2010 - 2011 per Country

Period	Aruba	USA	Curaçao	Netherlands
Mar-10	0.3	0.4	0.0	1.2
Apr-10	0.4	0.2	0.4	0.3
May-10	0.2	0.1	0.4	0.0
Jun-10	-0.4	-0.1	0.1	-0.5
Jul-10	0.1	0.0	0.3	-0.3
Aug-10	-0.2	0.1	0.1	0.2
Sep-10	0.1	0.1	0.1	0.6
Oct-10	-0.5	0.1	0.2	0.1
Nov-10	0.4	0.0	0.1	-0.1
Dec-10	0.0	0.2	0.1	-0.2
Jan-11	0.4	0.5	0.3	0.0
Feb-11	0.2	0.5	n.a.	0.7
Mar-11	0.7	1.0	n.a.	1.2

Source: CBS Aruba, Bureau of Labor Statistics (USA), CBS Curaçao and CBS Netherlands

The USA is considered Aruba's largest trading partner<sup>2</sup>. Table 7 provides an overview of the  $\Delta$  CPI for Aruba and the USA for 2011. Aruba's monthly  $\Delta$  CPI for March 2011 is 0.3 ppts lower than the  $\Delta$  CPI of the USA.

#### Table 7: Overview of Δ CPI, 2011

Period		Aruba	USA
Monthly	Feb - Mar	0.7	1.0
Year-to-date	Dec - Mar	1.3	2.0
Last 12 months <sup>1</sup>	Mar - Mar	1.3	2.7
Last 24 months <sup>2</sup>	Mar - Mar	0.9	1.6

Source: Central Bureau of Statistics Aruba

<sup>1</sup> End of period inflation

<sup>2</sup> Period average inflation

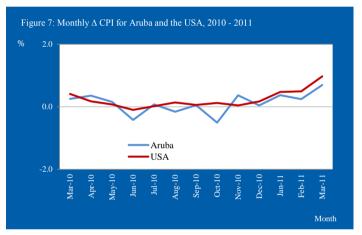
The  $\Delta$  CPI of Aruba over the last 12 months is 1.4 ppts lower compared to the USA's 12-month  $\Delta$  CPI. The  $\Delta$  CPI over the last 24 months for Aruba is 0.7 ppts lower than the  $\Delta$  CPI of the USA. The monthly inflation for both Aruba and the USA is depicted in figure 7 over a period of one year. Furthermore, an overview of the end of year  $\Delta$  CPI over the period 2001 - 2011 for Aruba and the USA is provided in table 8 and figure 8.

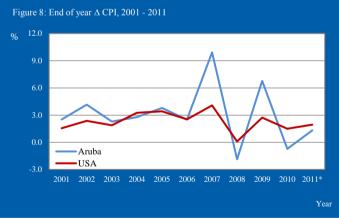
#### Table 8: End of year △ CPI, 2001 - 2011

Period	Aruba	USA
2001	2.5	1.6
2002	4.2	2.4
2003	2.3	1.9
2004	2.8	3.3
2005	3.8	3.4
2006	2.5	2.5
2007	9.9	4.1
2008	-1.9	0.1
2009	6.8	2.7
2010	-0.7	1.5
2011*	1.3	2.0

Source: Central Bureau of Statistics Aruba

\* ytd





\*ytd

<sup>&</sup>lt;sup>2</sup> "58% of Aruba's import by sea and air originates from the USA" (Source: Foreign Trade Statistics Report, 3<sup>rd</sup> Quarter 2010).

# CDS Consumer Price Index Aruba

Core inflation

## **5** Core inflation

#### **5.1 Core inflation**

Core inflation is a measure of inflation which excludes certain items that face volatile price movements e.g. food products and energy. By calculating the core inflation these more volatile components are eliminated from the inflation. Core inflation indices serve to assess the mid- and long-term trend of the overall price level. For the purpose of adjusting monetary policy, many economists focus more intently on the core rate of inflation, as this allows for an in-depth assessment of inflationary processes ongoing in the economy.

#### 5.2 Monthly change of the core inflation

In March 2011 the core inflation (measured over the period March 2010 - 2011) was -0.7%, 2.8 ppts lower compared to March 2010. In March 2011 the food index shows a decrease of 1.2%, while the energy index had an increase of 8.0%. Over the past year the food index declined by 2.1 ppts and the energy index increased by 15.6 ppts. Table 9 provides an overview of the monthly inflation and core inflation starting from March 2010.

#### Table 9: Monthly inflation<sup>1</sup> and core inflation, 2010 - 2011

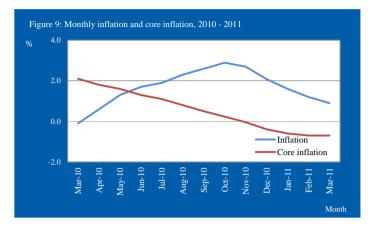
Period	Inflation	Food	Energy <sup>2</sup>	Core Inflation
Mar-10	-0.1	0.9	-7.6	2.1
Apr-10	0.6	-0.2	-3.1	1.8
May-10	1.3	-1.1	1.5	1.6
Jun-10	1.7	-1.8	5.1	1.3
Jul-10	1.9	-2.5	7.7	1.1
Aug-10	2.3	-2.7	11.5	0.8
Sep-10	2.6	-2.9	14.6	0.5
Oct-10	2.9	-3.1	17.4	0.2
Nov-10	2.7	-2.9	17.2	0.0
Dec-10	2.1	-2.7	14.7	-0.4
Jan-11	1.6	-2.3	12.4	-0.6
Feb-11	1.2	-1.8	10.3	-0.7
Mar-11	0.9	-1.2	8.0	-0.7

Source: Central Bureau of Statistics Aruba

<sup>1</sup> Period average inflation

<sup>2</sup> Energy : Electricity, water, gasoline and diesel

The monthly inflation and core inflation for Aruba is shown in figure 9 over a period of one year starting from March 2010.



# 5.3 End of year change of the core inflation, 2006 - 2011

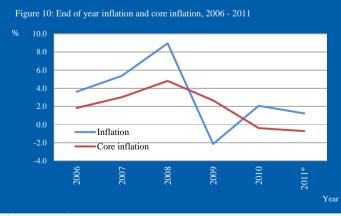
The end of year core inflation of the total population of Aruba for the year 2011 (up to March) is -0.7%, 0.3 ppts lower compared to the core inflation of 2010. Table 10 provides an overview of the end of year inflation and core inflation over the period 2006 - 2011.

#### Table 10: End of year core inflation, 2006 - 2011

Period	2006	2007	2008	2009	2010	2011*		
Inflation	3.6	5.4	9.0	-2.1	2.1	0.9		
Food	5.3	12.9	12.2	4.6	-2.7	-1.2		
Electricity	15.7	1.9	25.3	-18.5	18.0	9.4		
Water	15.5	4.2	25.2	-18.8	14.0	5.5		
Gasoline and diesel	5.3	13.6	14.5	-22.6	10.6	8.0		
Core inflation	1.8	3.0	4.8	2.7	-0.4	-0.7		
Source: Central Bureau of Statistics Aruba								

\*current month

The end of year inflation and core inflation is presented in figure 10 over the period 2006 - 2011.



<sup>\*</sup>current month

# CDS Consumer Price Index Aruba

#### APPENDIX 1

DESCRIPTION	WEIGHT coefficient			2011 Feb	2011 Mar	Monthly Feb - Mar	Ytd Dec - Mar	End of period Mar 10 - Mar 11	Periodavera Mar 10 - Mar
Frankright and some starts the boundary								-	
Food and non-alcoholic beverages Food	1,125.3		135.5			<b>0.8</b> 1.0	<b>1.7</b> 1.9	<b>3.5</b> 3.4	- <b>0.9</b> -1.2
Non-alcoholic beverages			122.3			-0.3	0.7	3.4 4.1	-1.2
Alcoholic beverages and tobacco			111.9			0.2	10.4	10.6	1.5
Alcoholic beverages for consumption at home			107.3			0.2	5.5	4.6	-0.2
Tobacco	22.6	120.5	123.8	150.2	150.4	0.2	21.5	24.8	5.6
Clothing and footwear	625.9	113.8	110.4	110.8	109.9	-0.8	-0.4	-3.4	-6.0
Clothing			112.2			-0.9	-0.4	-3.5	-6.3
Footwear	75.5	99.3	96.9	96.7	96.4	-0.3	-0.5	-2.9	-3.4
Housing Actual rentals for housing	2,553.3		130.0 132.3			<b>0.3</b> 0.5	0.6	-0.2	<b>5.4</b> 5.6
Maintenance and repair of the dwelling			106.2			1.0	1.4 1.1	5.6 -0.5	-1.5
Water supply and miscellaneous services relating to the dwelling			132.5			0.0	0.0	-4.6	5.0
Electricity, gas and other fuels			139.8			0.0	0.0	-3.0	9.0
Household operation			105.7			0.6	0.3	0.2	-1.5
Furniture, furnishings, carpets and other floor coverings			85.5			-1.0	-1.2	-2.2	-2.8
Household textiles Household appliances			152.8 80.7			0.8 5.4	2.3 -1.4	5.1 -3.4	1.1 -6.5
Glassware, tableware and household utensils			106.5			0.7	-1.4	-3.4	-0.5
Tools and equipment for house and garden			93.7			-0.3	-0.4	-5.3	-7.1
Goods and services for routine household maintenance and cleaning			113.8			0.0	0.4	0.4	0.0
Health	235.8		92.2			-1.1	-0.6	-0.8	-0.7
Medical products, appliances and equipment	140.3					-0.7	0.0	-0.2	-0.8
Out-patient services		83.6				-2.7	-2.7	-2.7	0.0
Other health products and services	38.3	92.0	92.0	92.1	91.7	-0.4	-0.2	-0.3	-1.2
Transport	1,815.4	106.7	107.4	109.9	111.1	1.1	3.5	4.1	1.0
Purchase of vehicles			99.2			0.0	-0.5	-1.0	-3.1
Operation of personal transport equipment	840.1	117.2	120.9	127.0	129.3	1.9	7.0	10.4	5.2
Transport services	163.8	88.1	79.1	78.2	79.4	1.6	0.4	-9.8	-4.3
Communications	706.2		02.0		04 5	0.2	0.0	2.0	1.0
Communications Postal services			<b>83.8</b> 105.2			<b>0.2</b> 0.0	<b>0.8</b> 0.0	<b>2.0</b> 0.0	<b>1.0</b> 0.0
Telephone and telefax equipment	29.6			32.3		9.4	1.7	-5.7	-14.0
Telephone and telefax services			85.7			0.0	0.8	2.2	1.4
Recreation and culture			112.5			3.6	1.3	1.7	-1.1
Audio-visual, photographic and information processing equipment			94.9			5.3	14.8	4.9	-5.2
Other major durables for recreation and culture			91.9			0.6	-0.6	-1.8	1.1
Other recreational items and equipment; gardens and pets			132.7			0.4	-0.1	-0.4	0.1
Recreational and cultural services Newspapers, books and stationery			100.8 108.3			7.6 0.3	6.1 0.3	5.0 -0.1	-0.5 -2.2
Holidays			134.8			2.0	-25.3	-0.1	-2.2
Education	83.0	109.8	111.7	112.4	112.7	0.3	0.9	2.6	1.6
Pre primary and primary education	30.4	109.1	109.1	109.1	109.1	0.0	0.0	0.0	0.0
Secondary education	25.2	110.8	111.6	111.6	111.6	0.0	0.0	0.8	1.7
Post-secondary non-tertiary education			118.2			1.3	4.0	11.5	4.9
Tertiary education			114.0			0.9	2.7	7.3	2.7
Education not definable by level	12.4	110.3	114.2	115.6	116.3	0.6	1.8	5.5	2.9
Restaurants and hotels	373.7	117.1	116.5	117.0	118.1	0.9	1.3	0.8	-1.1
Catering services			116.5			0.9	1.5	0.7	-1.0
Accommodation services			115.5			0.1	-8.3	12.9	-10.4
Miscellaneous goods and services			98.8			-0.1	0.6	0.5	-0.7
Personal care			108.4			0.1	0.4	-0.2	-1.8
Personal effects n.e.c. Social protection			112.9 135.4			-0.2 0.0	4.4	6.2 0.2	0.5 9.3
Social protection			135.4 85.1			0.0	-2.1 0.0	0.2	9.3
Financial services n.e.c.	26.9		94.1			-0.5	0.5	-0.2	-3.4
Other services n.e.c.	93.0		94.1			-0.5	0.5	-0.2	-3.4

Source: Central Bureau of Statistics Aruba

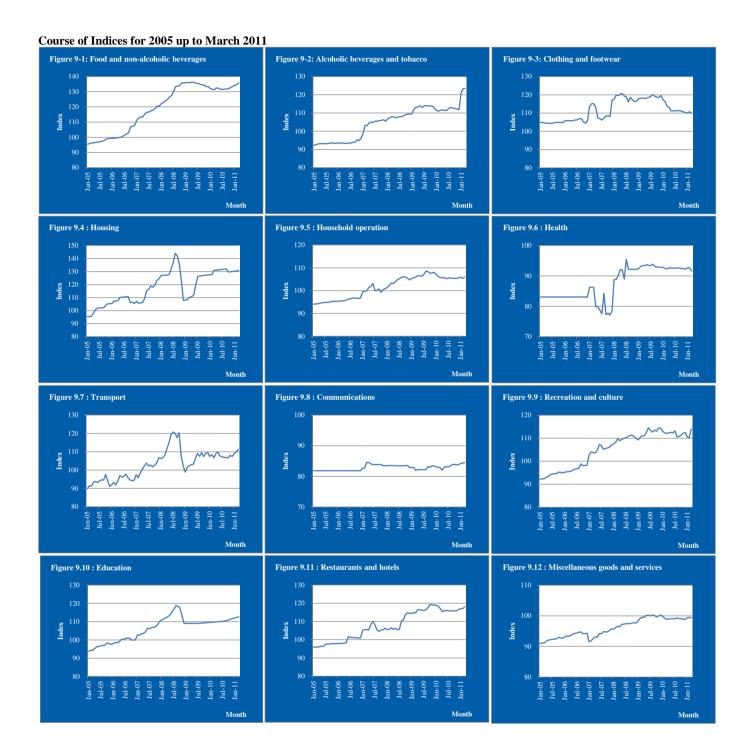
CDS CONSUMER Price INDEX Aruba Appendix 2

DESCRIPTION	WEIGHT coefficient	Monthly Feb - Mar	Ytd Dec - Mar	End of period Mar 10 - Mar 11	Periodaver Mar 10 - Ma
Food and non-alcoholic beverages	1,125.3	0.11	0.23	0.45	-0.12
Food	961.4	0.11	0.22	0.38	-0.14
Non-alcoholic beverages	163.9	0.00	0.01	0.07	0.02
Alcoholic beverages and tobacco	81.9	0.00	0.08	0.08	0.01
Alcoholic beverages for consumption at home	59.3	0.00	0.03	0.03	0.00
Tobacco	22.6	0.00	0.05	0.06	0.01
Clathing and factures.	625.0	0.05	0.02	0.21	0.20
Clothing and footwear Clothing	625.9 550.4	<b>-0.05</b> -0.05	<b>-0.03</b> -0.02	- <b>0.21</b> -0.19	<b>-0.39</b> -0.37
Footwear	75.5	0.00	0.00	-0.02	-0.02
Housing	2,553.3	0.08	0.18	-0.06	1.51
Actual rentals for housing	854.2	0.04	0.13	0.53	0.52
Maintenance and repair of the dwelling	444.6	0.04	0.04	-0.02	-0.06
Water supply and miscellaneous services relating to the dwelling	505.7	0.00	0.00	-0.28	0.29
Electricity, gas and other fuels	748.8	0.00	0.00	-0.29	0.77
Household operation	741.3	0.04	0.02	0.01	-0.10
Furniture, furnishings, carpets and other floor coverings	142.1	-0.01	-0.01	-0.02	-0.03
Household textiles	69.5	0.01	0.02	0.05	0.01
Household appliances	111.3	0.04	-0.01	-0.03	-0.05
Glassware, tableware and household utensils Tools and equipment for house and garden	31.8 40.0	0.00	0.01 0.00	0.02 -0.02	-0.01 -0.03
Goods and services for routine household maintenance and cleaning	346.6	0.00	0.00	0.02	-0.03
Health	235.8	-0.02	-0.01	-0.01	-0.01
Medical products, appliances and equipment	140.3	-0.01	0.00	0.00	-0.01
Out-patient services	57.2	-0.01	-0.01	-0.01	0.00
Other health products and services	38.3	0.00	0.00	0.00	0.00
Transport	1,815.4	0.19	0.59	0.70	0.17
Purchase of vehicles	811.4	0.00	-0.03	-0.07	-0.23
Operation of personal transport equipment	840.1	0.17	0.62	0.89	0.44
Transport services	163.8	0.02	0.00	-0.12	-0.05
Communications	706.3	0.01	0.04	0.10	0.05
Postal services	6.1	0.00	0.00	0.00	0.00
Telephone and telefax equipment	29.6	0.01	0.00	-0.01	-0.02
Telephone and telefax services	670.6	0.00	0.04	0.11	0.07
Recreation and culture	891.2	0.30	0.12	0.15	-0.10
Audio-visual, photographic and information processing equipment	123.8	0.06	0.15	0.06	-0.06
Other major durables for recreation and culture	19.2	0.00	0.00	0.00	0.00
Other recreational items and equipment; gardens and pets	260.1	0.01	0.00	-0.01	0.00
Recreational and cultural services	335.0	0.22	0.18	0.15	-0.02
Newspapers, books and stationery	82.1	0.00	0.00	0.00	-0.02
Holidays	71.0	0.01	-0.21	-0.04	0.00
Education	83.0	0.00	0.01	0.02	0.01
Pre primary and primary education	30.4	0.00	0.00	0.00	0.00
Secondary education	25.2	0.00	0.00	0.00	0.00
Post-secondary non-tertiary education	4.6	0.00	0.00	0.01	0.00
Tertiary education	10.4	0.00	0.00	0.01	0.00
Education not definable by level	12.4	0.00	0.00	0.01	0.00
Restaurants and hotels	373.7	0.04	0.05	0.03	-0.04
Catering services	367.5	0.04	0.06	0.03	-0.04
Accommodation services	6.2	0.00	-0.01	0.01	-0.01
Miscellaneous goods and services	767.0	0.00	0.04	0.03	-0.05
Personal care	262.0	0.00	0.01	-0.01	-0.04
Personal effects n.e.c.	67.3	0.00	0.03	0.04	0.00
Social protection	28.7	0.00	-0.01	0.00	0.03
Insurance	289.1	0.00	0.00	0.00	0.00
Financial services n.e.c.	26.9	0.00	0.00	0.00	-0.01 -0.03
Other services n.e.c.	93.0	0.00	0.00	0.00	-0.05

#### Table 12: Effect on the Consumer Price Index per sector and category for March 2011 (Dec 2006 = 100)

Source: Central Bureau of Statistics Arub

Appendix 3



## Glossary

#### The Consumer Price Index and Inflation

The Consumer Price Index (CPI) measures changes in prices of consumer goods and services by households. Consumer price indices can be intended to measure either the rate of price inflation or deflation as perceived by households or changes in their cost of living. In case of inflation, the percentage change is positive and it indicates a decrease in the purchasing power of the consumers.

#### Monthly percentage change

Percentage change in price indices of any aggregates of the CPI in relation to the respective price indices of the previous month.

#### Year-to-date (ytd)

Percentage change in price indices of any aggregates of the CPI in relation to the respective price indices of December prior to the year under review.

#### End of period inflation (last 12 months)

Percentage change in price indices of any aggregates of the CPI in relation to the respective price indices of the same month of the previous year.

#### Period average inflation (last 24 months)

The end of period inflation percentage change in CPI (period average inflation) is calculated by comparing the annual average CPI of the concerning period with the annual average CPI of the concerning period of the previous year.

#### Effect

Contribution of all percentage changes (of all respective aggregates) to the CPI.

#### **Core inflation**

Core inflation is a measure of inflation that excludes certain items which face volatile price movements. Core inflation eliminates the inflation of certain products that can have temporary price shocks because these shocks can diverge from the overall trend of inflation and give a false measure of inflation. The core rate of inflation is calculated by: total inflation excluding food and energy prices. In part, that is because the core is less volatile and reflects better the relationship of supply and demand in domestic product markets. The core usually is a better measure of the basic rate of inflation that will tend to emerge in the absence of supply shocks.