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## Note to the Reader

The following report presents the price statistics for November 2010.

- At the end of November 2010 the Consumer Price Index (CPI) increased by 0.4% compared to the end of October 2010. The sector which affected the CPI the most was “Transport” (1.3%), which led to an effect of 0.22 percentage points (ppts) on the  $\Delta$  CPI of November (0.4%).
- Compared to November 2009 the CPI decreased by 0.5%. The sector which affected the CPI the most was “Housing” (2.1%). Specifically, prices of “Actual rentals for housing” and “Electricity, gas and other fuels” increased by respectively 5.6% and 2.8%. The increase in prices of these categories caused a total effect of 0.77 ppts on the end of period inflation of November (0.5%).
- The period average inflation for the period November 2009 - November 2010 is 2.7%, which is 5.5 ppts higher compared to the period average inflation for the period November 2008 - November 2009 (-2.8%).
- Utilities (Water and Electricity) did not register price changes in November 2010. Gasoline and diesel registered price increases in November 2010. The prices of gasoline and diesel increased by respectively 3.0% and 4.4% and caused a total effect of 0.18 ppts on the  $\Delta$  CPI of November (0.4%).

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.

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## 1 Monthly change of the CPI

### 1.1 CPI and Inflation

The CPI of the total population of Aruba for the month of November 2010 is 114.3; an increase of 0.4% compared to the CPI of October 2010 (113.9). An overview of the percentage change in the CPI ( $\Delta$  CPI) for different periods during 2009 and 2010 is shown in Table 1. The terms percentage change in the CPI and “inflation” (deflation) are considered similar and are used interchangeably. The deflation over the last 12 months (end of period inflation) is 0.5%, while the inflation over a period of 24 months (period average inflation) is 2.7%.

**Table 1: Overview of  $\Delta$  CPI**

Period		2010	2009
Monthly	Oct - Nov	0.4	0.3
Year-to-date	Dec - Nov	-0.8	6.5
Last 12 months <sup>1</sup>	Nov - Nov	-0.5	1.7
Last 24 months <sup>2</sup>	Nov - Nov	2.7	-2.8

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 November 2009, whereas the  $\Delta$  CPI for the month November for the years 2001 to 2010 is illustrated in Figure 2.

### 1.2 Changes in sector

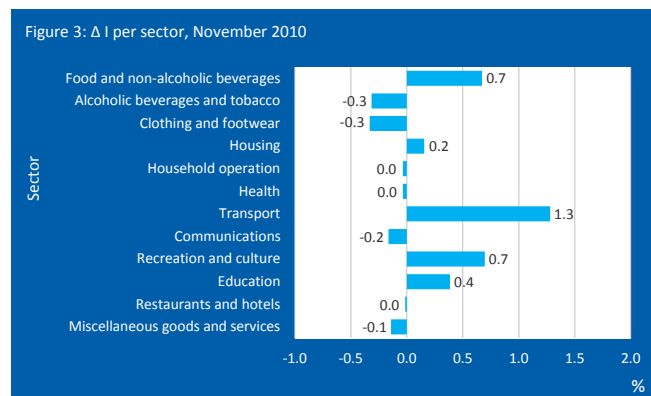
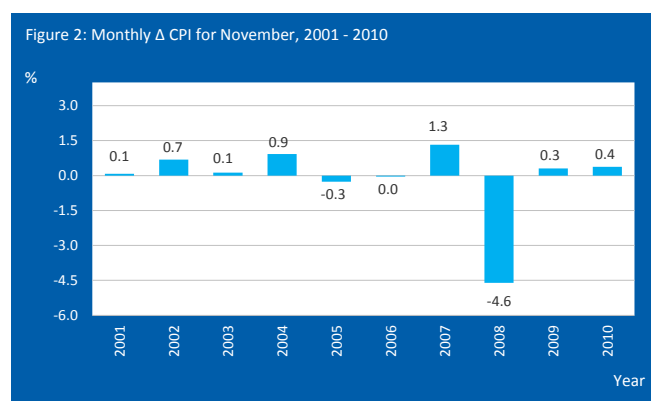
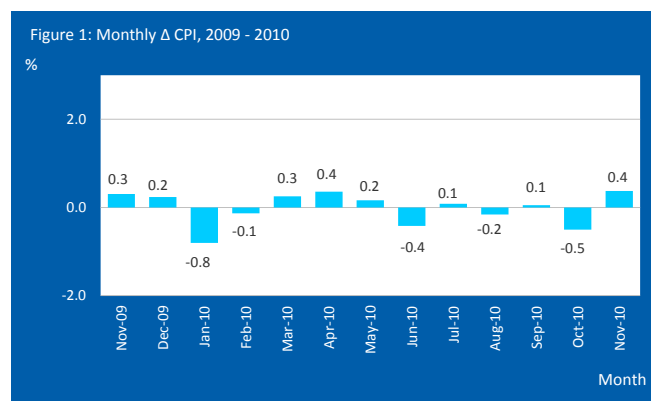
Figure 3 provides an overview of the percentage changes for the indices per sector for November 2010. The percentage change in index is further denoted as  $\Delta$  I. The largest  $\Delta$  I<sup>1</sup> is observed for the sector “Transport” (1.3%).

### 1.3 Changes in categories and subcategories

The largest positive and negative  $\Delta$  I is seen in the categories “Holidays” (16.8%) and “Telephone and telefax equipment” (-8.4%), respectively. The major  $\Delta$  I in the “Food and non-alcoholic beverages” sector is observed for the category “Food” which increased by 0.7%. The major  $\Delta$  I in the “Transport” sector is observed for the category “Transport services” (2.3%), which is mainly the result of an increase in “Plane tickets” of 1.9%.

The categories which influenced the CPI calculation the most are “Operation of personal transport equipment”, “Holidays” and “Food”, which had an effect of respectively, 0.19, 0.11 and 0.08 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 November 2009, December 2009, October 2010 and November 2010 together with corresponding weights per sector and the monthly, year-to-date (ytd), end of period and period average percentage changes for November 2010. In table 12 an overview of the effect on the monthly, ytd, end of period and

period average CPI per sector and category for November 2010 is presented. The course of indices for 2005 to 2010 is illustrated in Appendix 3.



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

## 2 End of period change of the CPI

### 2.1 End of period change CPI for November 2010

The CPI decreased from 114.9 in November 2009 to 114.3 in November 2010, a decrease of 0.5%. This  $\Delta$  CPI is the lowest registered over a period of 5 years for the month November, and is 2.2 ppts lower than the  $\Delta$  CPI registered in 2009 (1.7%) (see table 2).

**Table 2: Overview of End of period  $\Delta$  CPI for November, 2006 - 2010**

Period	$\Delta$ CPI
2005-2006	1.9
2006-2007	8.3
2007-2008	4.4
2008-2009	1.7
2009-2010	-0.5

Source: Central Bureau of Statistics Aruba

### 2.2 Changes in sector

An overview of the percentage change per sector over the period November 2009 - November 2010 is presented in table 3. The largest  $\Delta$  I is observed for the sector "Clothing and footwear" with a decrease of 6.6%. This decrease is mainly caused by a decrease in the category "Clothing" of 7.0%. The second largest  $\Delta$  I during this period is observed for the sector "Restaurants and hotels" with a decrease of 2.7%. Furthermore, decreases of 2.2% and 2.1% are observed for the sectors "Household operation" and "Recreation and culture", respectively. A comparison of the  $\Delta$  I's for the years 2009 and 2010 is provided in figure 4.

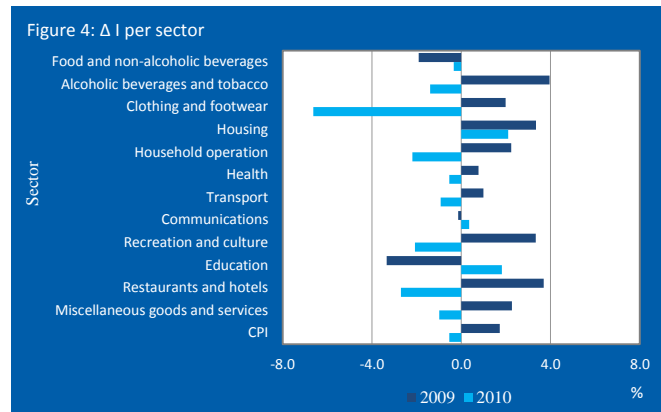
**Table 3: Percentage change for November, 2009 - 2010**

Period	% Change
Food and non-alcoholic beverages	-0.3
Alcoholic beverages and tobacco	-1.4
Clothing and footwear	-6.6
Housing	2.1
Household operation	-2.2
Health	-0.5
Transport	-0.9
Communications	0.4
Recreation and culture	-2.1
Education	1.8
Restaurants and hotels	-2.7
Miscellaneous goods and services	-1.0
CPI	-0.5

Source: Central Bureau of Statistics Aruba

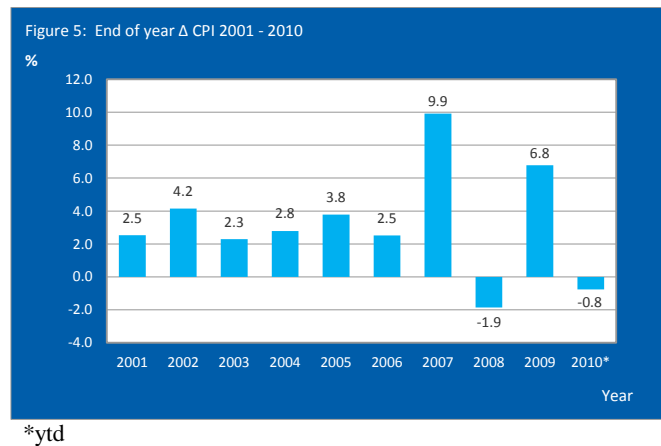
### 2.3 Changes in categories

The largest positive and negative  $\Delta$  I in categories observed over a period of one year are respectively, "Social protection" (8.0%) and "Accommodation services" (-23.3%). 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 2001 - 2010

The end of year  $\Delta$  CPI for the period 2001 - 2010 is shown in figure 5. The  $\Delta$  CPI for 2010 is calculated by comparing the CPI of November 2010 with the CPI of December 2009. At the end of each year, the end of year percentage change equals the ytd  $\Delta$  CPI. The ytd  $\Delta$  CPI for November 2010 is -0.8%.



### 2.5 Period average change CPI for November 2010

The period average change CPI ( $\Delta$  ACPI) for November 2010 is 2.7%. Table 4 provides an overview of the  $\Delta$  ACPI for the month November for the years 2004 to 2010. The  $\Delta$  ACPI for 2010 increased by 5.5 ppts compared to 2009.

**Table 4: Overview of  $\Delta$  ACPI for November, 2004 - 2010**

Period	$\Delta$ ACPI
2003-2004	2.5
2004-2005	3.3
2005-2006	3.7
2006-2007	4.8
2007-2008	10.0
2008-2009	-2.8
2009-2010	2.7

Source: Central Bureau of Statistics Aruba



## 3 Development of indices of main sectors and utilities

### 3.1 Indices main sectors

The four major sectors, "Housing", "Transport", "Food and non-alcoholic 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 - 2010 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 to 6-3.

**Table 5: Prices of crude oil, utilities, gasoline and diesel, 2009 - 2010**

Month	Crude oil per barrel <sup>1</sup>	Fuel surcharge <sup>2</sup>	Electricity <sup>3</sup>	Water <sup>4</sup>	Gasoline <sup>5</sup>	Diesel <sup>5</sup>
Nov-09	76.19	25.56	299.51	156.40	191.30	160.00
Dec-09	73.11	25.56	299.51	156.40	193.20	161.80
Jan-10	76.01	25.56	299.51	156.40	186.00	156.60
Feb-10	73.04	25.56	299.51	156.40	191.80	160.30
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

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> Electricity 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 November 2010, 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 2010.

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 November 2010, 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 6-2 provides an overview of the course of changes in the water price for the period 2007 to 2010. The water price for an average usage by households did not change in November 2010, it remained at Afl. 153.95.

### 3.4 Crude oil, Gasoline and Diesel

In November 2010 the average price of crude oil increased by US\$ 3.52 per barrel compared to October. The retail price of gasoline increased by 3.0% from 189.5 cents per liter in October 2010 to 195.2 cents per liter in November 2010. In November 2010, the retail price of diesel increased by 4.4% from 162.8 cents per liter in October 2010 to 170.0 cents per liter.

Figure 6-1 Electricity price and Fuel surcharge in Afl., 2007 - 2010

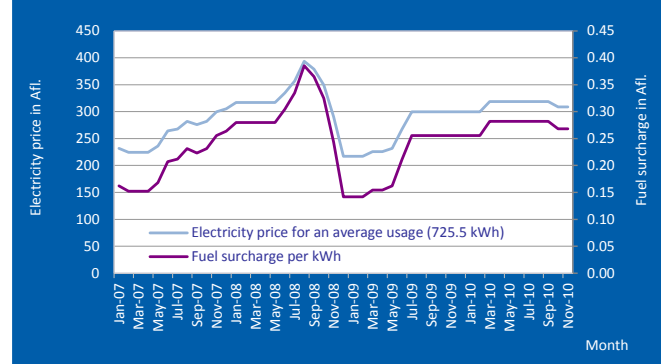


Figure 6-2 Water price in Afl., 2007 - 2010

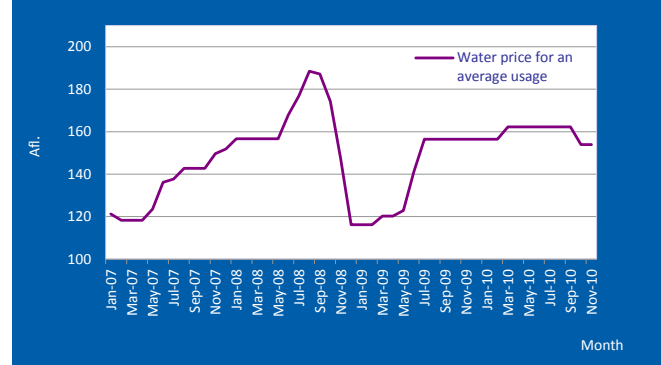
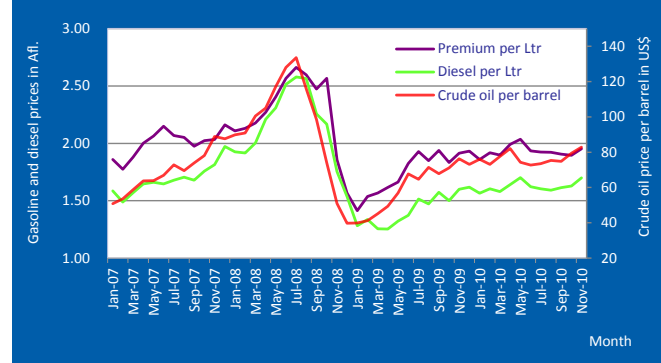


Figure 6-3 Gasoline, diesel and crude oil prices, 2007 - 2010



## 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 November 2009. In November 2010 the  $\Delta$  CPI of the USA and the Netherlands were respectively 0.0% and -0.1%. The  $\Delta$  CPI of Curaçao for November 2010 is not yet available.

**Table 6: Monthly  $\Delta$  CPI 2009 - 2010 per Country**

Period	Aruba	USA	Curaçao	Netherlands
Nov-09	0.3	0.1	0.2	-0.1
Dec-09	0.2	-0.2	0.2	-0.6
Jan-10	-0.8	0.3	0.3	0.0
Feb-10	-0.1	0.0	0.0	0.7
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	n.a.	0.1
Nov-10	0.4	0.0	n.a.	-0.1

Source: CBS Aruba, Bureau of Labor Statistics (USA), CBS Netherlands Antilles 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 2010. Aruba's monthly  $\Delta$  CPI for November 2010 is 0.4 ppts higher than the  $\Delta$  CPI of the USA.

**Table 7: Overview of  $\Delta$  CPI, 2010**

Period		Aruba	USA
Monthly	Oct - Nov	0.4	0.0
Year-to-date	Dec - Nov	-0.8	1.3
Last 12 months <sup>1</sup>	Nov - Nov	-0.5	1.1
Last 24 months <sup>2</sup>	Nov - Nov	2.7	1.7

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 1.6 ppts lower compared to the USA's 12-month  $\Delta$  CPI. The  $\Delta$  CPI over the last 24 months for Aruba is 1.0 ppt higher 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 2000 - 2010 for Aruba and the USA is provided in table 8 and figure 8.

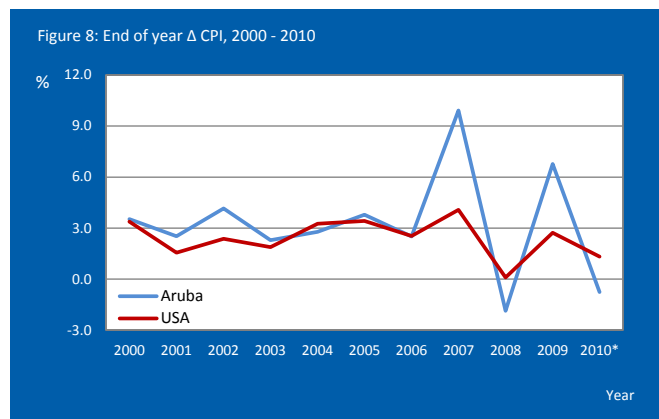
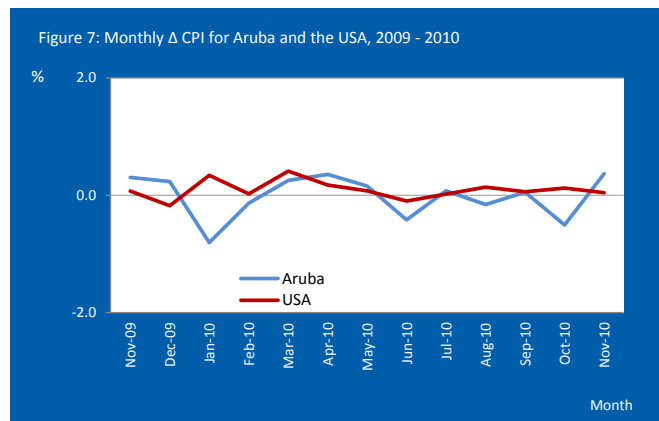
<sup>2</sup> "58% of Aruba's import by sea and air originates from the USA" (Source: Foreign Trade Statistics Report, 1<sup>st</sup> Quarter 2010).

**Table 8: End of year  $\Delta$  CPI, 2000 - 2010**

Period	Aruba	USA
2000	3.5	3.4
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*	-0.8	1.3

Source: Central Bureau of Statistics Aruba

\* ytd



\*ytd

## 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 November 2010 the core inflation (measured over the period November 2009 - 2010) was 0.0%, a decline of 2.7 ppts compared to November 2009. In November 2010 the food index shows a decrease of 2.9%, while the energy index had an increase of 17.2%. Over the past year the food index declined by 8.8 ppts and the energy index increased by 40.6 ppts. Table 9 provides an overview of the monthly inflation and core inflation starting from November 2009.

**Table 9: Monthly inflation<sup>1</sup> and core inflation, 2009 - 2010**

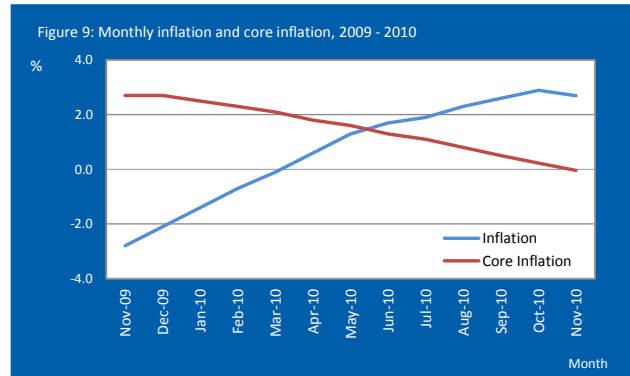
Period	Inflation	Food	Energy <sup>2</sup>	Core Inflation
Nov-09	-2.8	5.9	-23.4	2.7
Dec-09	-2.1	4.6	-19.9	2.7
Jan-10	-1.4	3.3	-15.9	2.5
Feb-10	-0.7	2.0	-11.9	2.3
Mar-10	-0.1	0.9	-7.6	2.1
Apr-10	0.6	-0.2	-3.1	1.8
May-10	1.3	-1.1	1.5	1.6
Jun-10	1.7	-1.8	5.1	1.3
Jul-10	1.9	-2.5	7.7	1.1
Aug-10	2.3	-2.7	11.5	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

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 November 2009.



### 5.3 End of year change of the core inflation, 2005 - 2010

The end of year core inflation of the total population of Aruba for the year 2010 (up to November) is 0.0%, 2.7 ppts lower compared to the core inflation of 2009. Table 10 provides an overview of the end of year inflation and core inflation over the period 2005 - 2010.

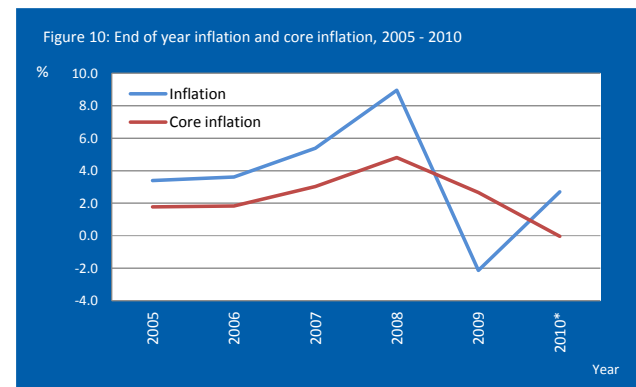
**Table 10: End of year core inflation, 2005 - 2010**

Period	2005	2006	2007	2008	2009	2010*
Inflation	3.4	3.6	5.4	9.0	-2.1	2.7
Food	4.0	5.3	12.9	12.2	4.6	-2.9
Electricity	14.7	15.7	1.9	25.3	-18.5	20.9
Water	14.2	15.5	4.2	25.2	-18.8	17.0
Gasoline and diesel	9.9	5.3	13.6	14.5	-22.6	12.3
Core inflation	1.8	1.8	3.0	4.8	2.7	0.0

Source: Central Bureau of Statistics Aruba

\*current month

The end of year inflation and core inflation is presented in figure 10 over the period 2005 - 2010.



\*current month

**Table 11: Monthly & Yearly Changes (%) in the Consumer Price Index for November 2010, Total Population (Dec 2006 = 100)**

DESCRIPTION	WEIGHT coefficient	2009	2009	2010	2010	Monthly Oct - Nov	Ytd Dec - Nov	End of period Nov 09- Nov 10	Period average Nov 09- Nov 10
		2009 Nov	2009 Dec	2010 Oct	2010 Nov				
<b>Food and non-alcoholic beverages</b>	<b>1,125.3</b>	<b>133.3</b>	<b>133.5</b>	<b>132.0</b>	<b>132.9</b>	<b>0.7</b>	<b>-0.4</b>	<b>-0.3</b>	<b>-2.4</b>
Food	961.4	135.6	135.7	133.8	134.8	0.7	-0.7	-0.6	-2.9
Non-alcoholic beverages	163.9	120.0	120.4	121.5	122.0	0.5	1.4	1.7	0.6
<b>Alcoholic beverages and tobacco</b>	<b>81.9</b>	<b>113.8</b>	<b>112.6</b>	<b>112.5</b>	<b>112.2</b>	<b>-0.3</b>	<b>-0.3</b>	<b>-1.4</b>	<b>-0.8</b>
Alcoholic beverages for consumption at home	59.3	110.3	108.7	108.3	107.8	-0.4	-0.9	-2.3	-1.4
Tobacco	22.6	123.0	122.6	123.8	123.8	0.0	1.0	0.7	0.6
<b>Clothing and footwear</b>	<b>625.9</b>	<b>118.6</b>	<b>119.6</b>	<b>111.1</b>	<b>110.7</b>	<b>-0.3</b>	<b>-7.4</b>	<b>-6.6</b>	<b>-4.5</b>
Clothing	550.4	121.0	122.1	113.0	112.5	-0.4	-7.8	-7.0	-4.7
Footwear	75.5	100.8	101.8	97.2	97.5	0.4	-4.2	-3.3	-2.2
<b>Housing</b>	<b>2,553.3</b>	<b>127.2</b>	<b>127.4</b>	<b>129.7</b>	<b>129.9</b>	<b>0.2</b>	<b>1.9</b>	<b>2.1</b>	<b>10.8</b>
Actual rentals for housing	854.2	124.8	125.3	131.1	131.7	0.5	5.1	5.6	5.6
Maintenance and repair of the dwelling	444.6	108.9	109.1	106.5	106.5	0.0	-2.3	-2.1	-0.3
Water supply and miscellaneous services relating to the dwelling	505.7	134.3	134.3	132.5	132.5	0.0	-1.3	-1.3	15.0
Electricity, gas and other fuels	748.8	136.0	136.0	139.8	139.8	0.0	2.8	2.8	20.0
<b>Household operation</b>	<b>741.3</b>	<b>107.8</b>	<b>108.1</b>	<b>105.4</b>	<b>105.4</b>	<b>0.0</b>	<b>-2.5</b>	<b>-2.2</b>	<b>-0.8</b>
Furniture, furnishings, carpets and other floor coverings	142.1	88.7	88.8	86.8	85.5	-1.5	-3.7	-3.6	-2.3
Household textiles	69.5	152.0	152.4	153.1	152.1	-0.7	-0.2	0.0	0.8
Household appliances	111.3	85.7	85.7	77.7	80.6	3.8	-5.9	-5.9	-3.5
Glassware, tableware and household utensils	31.8	107.0	107.5	104.6	103.9	-0.7	-3.4	-3.0	-4.4
Tools and equipment for house and garden	40.0	101.3	100.8	93.6	93.4	-0.2	-7.4	-7.7	-6.4
Goods and services for routine household maintenance and cleaning	346.6	114.6	115.2	113.9	113.7	-0.2	-1.3	-0.8	0.9
<b>Health</b>	<b>235.8</b>	<b>92.9</b>	<b>92.9</b>	<b>92.4</b>	<b>92.4</b>	<b>0.0</b>	<b>-0.5</b>	<b>-0.5</b>	<b>-0.6</b>
Medical products, appliances and equipment	140.3	96.7	96.7	96.1	96.1	0.0	-0.7	-0.6	-0.8
Out-patient services	57.2	83.6	83.6	83.6	83.6	0.0	0.0	0.0	0.5
Hospital services	3.0	92.8	92.7	92.1	92.0	0.0	-0.7	-0.8	-1.2
Other treatments	20.6	92.8	92.7	92.1	92.0	0.0	-0.7	-0.8	-1.2
Health products and services n.e.c.	0.5	92.8	92.7	92.1	92.0	0.0	-0.7	-0.8	-1.2
Other health related incurred costs	14.1	92.8	92.7	92.1	92.0	0.0	-0.7	-0.8	-1.2
<b>Transport</b>	<b>1,815.4</b>	<b>109.0</b>	<b>109.6</b>	<b>106.7</b>	<b>108.0</b>	<b>1.3</b>	<b>-1.4</b>	<b>-0.9</b>	<b>2.7</b>
Purchase of vehicles	811.4	103.9	103.9	100.5	100.5	0.0	-3.2	-3.2	-2.6
Operation of personal transport equipment	840.1	118.4	119.4	117.4	119.9	2.2	0.4	1.3	7.9
Transport services	163.8	86.2	87.0	82.1	84.0	2.3	-3.5	-2.6	-0.2
<b>Communications</b>	<b>706.3</b>	<b>83.5</b>	<b>83.4</b>	<b>83.9</b>	<b>83.8</b>	<b>-0.2</b>	<b>0.4</b>	<b>0.4</b>	<b>0.7</b>
Postal services	6.1	105.2	105.2	105.2	105.2	0.0	0.0	0.0	0.5
Telephone and telefax equipment	29.6	40.4	44.6	39.2	35.9	-8.4	-19.6	-11.2	-17.3
Telephone and telefax services	670.6	85.2	84.9	85.7	85.7	0.0	0.9	0.6	1.2
<b>Recreation and culture</b>	<b>891.2</b>	<b>114.4</b>	<b>114.4</b>	<b>111.3</b>	<b>112.1</b>	<b>0.7</b>	<b>-2.1</b>	<b>-2.1</b>	<b>0.1</b>
Audio-visual, photographic and information processing equipment	123.8	112.5	105.8	102.0	99.9	-2.1	-5.6	-11.2	-5.4
Other major durables for recreation and culture	19.2	90.8	92.9	92.5	92.3	-0.1	-0.7	1.7	2.6
Other recreational items and equipment; gardens and pets	260.1	133.8	134.1	134.3	133.3	-0.7	-0.6	-0.4	1.8
Recreational and cultural services	335.0	102.1	101.9	100.8	100.8	0.0	-1.0	-1.3	0.0
Newspapers, books and stationery	82.1	111.4	111.6	108.3	108.3	0.0	-3.0	-2.8	-1.5
Holidays	71.0	114.6	125.8	101.2	118.3	16.8	-6.0	3.2	3.6
<b>Education</b>	<b>83.0</b>	<b>109.4</b>	<b>109.5</b>	<b>111.0</b>	<b>111.4</b>	<b>0.4</b>	<b>1.7</b>	<b>1.8</b>	<b>1.0</b>
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	109.9	110.1	111.6	111.6	0.0	1.4	1.6	1.7
Post-secondary non-tertiary education	4.6	109.7	109.8	114.0	116.7	2.4	6.3	6.4	2.0
Tertiary education	10.4	109.1	109.1	112.0	113.0	0.9	3.6	3.6	0.7
Education not definable by level	12.4	109.7	109.8	112.5	113.5	0.9	3.4	3.5	1.6
<b>Restaurants and hotels</b>	<b>373.7</b>	<b>119.0</b>	<b>119.1</b>	<b>115.8</b>	<b>115.8</b>	<b>0.0</b>	<b>-2.8</b>	<b>-2.7</b>	<b>0.3</b>
Catering services	367.5	119.4	119.4	116.5	116.5	0.0	-2.4	-2.4	0.6
Accommodation services	6.2	92.0	96.8	71.6	70.6	-1.5	-27.1	-23.3	-19.6
<b>Miscellaneous goods and services</b>	<b>767.0</b>	<b>99.9</b>	<b>100.3</b>	<b>99.1</b>	<b>98.9</b>	<b>-0.1</b>	<b>-1.3</b>	<b>-1.0</b>	<b>-0.3</b>
Personal care	262.0	111.3	112.3	108.9	108.7	-0.1	-3.2	-2.3	-0.5
Personal effects n.e.c.	67.3	111.9	112.0	112.2	112.1	-0.2	0.1	0.2	-1.6
Social protection	28.7	126.8	128.1	138.4	136.9	-1.1	6.9	8.0	13.3
Insurance	289.1	85.1	85.1	85.1	85.1	0.0	0.0	0.0	0.0
Financial services n.e.c.	26.9	97.6	97.4	94.6	94.4	-0.1	-3.0	-3.3	-3.7
Other services n.e.c.	93.0	97.6	97.4	94.6	94.4	-0.1	-3.0	-3.3	-3.7
<b>CPI</b>	<b>10,000</b>	<b>114.9</b>	<b>115.2</b>	<b>113.9</b>	<b>114.3</b>	<b>0.4</b>	<b>-0.8</b>	<b>-0.5</b>	<b>2.7</b>

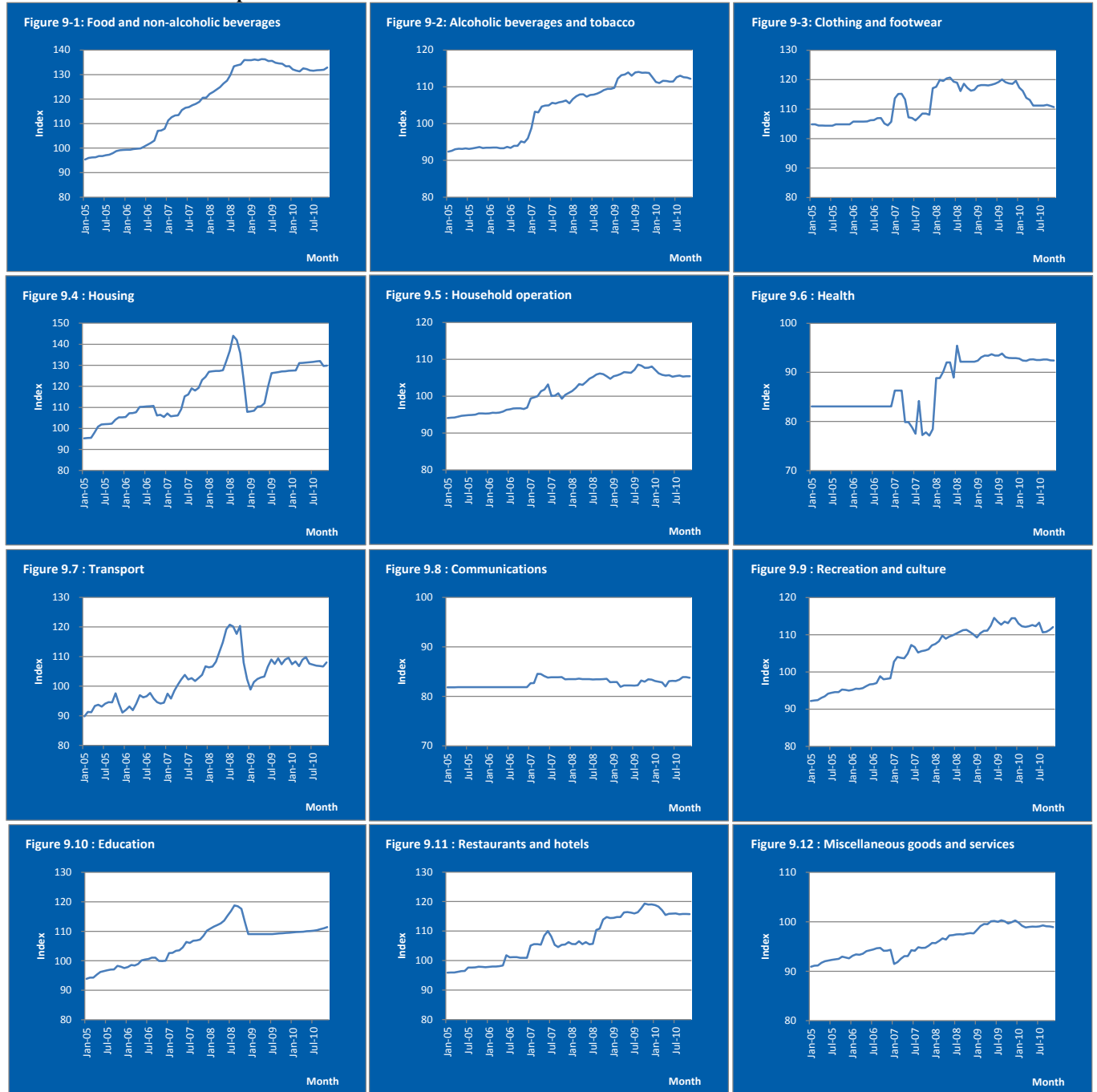
Source: Central Bureau of Statistics Aruba

**Table 12: Effect on the Consumer Price Index per sector and category for November 2010 (Dec 2006 = 100)**

DESCRIPTION	WEIGHT coefficient	Monthly	Ytd	End of period	Period average
		Oct - Nov	Dec - Nov	Nov 09- Nov 10	Nov 09- Nov 10
<b>Food and non-alcoholic beverages</b>	<b>1,125.3</b>	<b>0.09</b>	<b>-0.06</b>	<b>-0.04</b>	<b>-0.33</b>
Food	961.4	0.08	-0.08	-0.07	-0.34
Non-alcoholic beverages	163.9	0.01	0.02	0.03	0.01
<b>Alcoholic beverages and tobacco</b>	<b>81.9</b>	<b>0.00</b>	<b>0.00</b>	<b>-0.01</b>	<b>-0.01</b>
Alcoholic beverages for consumption at home	59.3	0.00	0.00	-0.01	-0.01
Tobacco	22.6	0.00	0.00	0.00	0.00
<b>Clothing and footwear</b>	<b>625.9</b>	<b>-0.02</b>	<b>-0.48</b>	<b>-0.43</b>	<b>-0.30</b>
Clothing	550.4	-0.02	-0.46	-0.41	-0.28
Footwear	75.5	0.00	-0.03	-0.02	-0.02
<b>Housing</b>	<b>2,553.3</b>	<b>0.05</b>	<b>0.55</b>	<b>0.60</b>	<b>2.90</b>
Actual rentals for housing	854.2	0.04	0.47	0.52	0.52
Maintenance and repair of the dwelling	444.6	0.00	-0.10	-0.09	-0.01
Water supply and miscellaneous services relating to the dwelling	505.7	0.00	-0.08	-0.08	0.81
Electricity, gas and other fuels	748.8	0.00	0.25	0.25	1.58
<b>Household operation</b>	<b>741.3</b>	<b>0.00</b>	<b>-0.17</b>	<b>-0.15</b>	<b>-0.05</b>
Furniture, furnishings, carpets and other floor coverings	142.1	-0.02	-0.04	-0.04	-0.03
Household textiles	69.5	-0.01	0.00	0.00	0.01
Household appliances	111.3	0.03	-0.05	-0.05	-0.03
Glassware, tableware and household utensils	31.8	0.00	-0.01	-0.01	-0.01
Tools and equipment for house and garden	40.0	0.00	-0.03	-0.03	-0.02
Goods and services for routine household maintenance and cleaning	346.6	-0.01	-0.04	-0.03	0.03
<b>Health</b>	<b>235.8</b>	<b>0.00</b>	<b>-0.01</b>	<b>-0.01</b>	<b>-0.01</b>
Medical products, appliances and equipment	140.3	0.00	-0.01	-0.01	-0.01
Out-patient services	57.2	0.00	0.00	0.00	0.00
Hospital services	3.0	0.00	0.00	0.00	0.00
Other treatments	20.6	0.00	0.00	0.00	0.00
Health products and services n.e.c.	0.5	0.00	0.00	0.00	0.00
Other health related incurred costs	14.1	0.00	0.00	0.00	0.00
<b>Transport</b>	<b>1,815.4</b>	<b>0.22</b>	<b>-0.24</b>	<b>-0.16</b>	<b>0.46</b>
Purchase of vehicles	811.4	0.00	-0.24	-0.24	-0.19
Operation of personal transport equipment	840.1	0.19	0.04	0.11	0.66
Transport services	163.8	0.03	-0.04	-0.03	0.00
<b>Communications</b>	<b>706.3</b>	<b>-0.01</b>	<b>0.02</b>	<b>0.02</b>	<b>0.04</b>
Postal services	6.1	0.00	0.00	0.00	0.00
Telephone and telefax equipment	29.6	-0.01	-0.02	-0.01	-0.02
Telephone and telefax services	670.6	0.00	0.04	0.03	0.06
<b>Recreation and culture</b>	<b>891.2</b>	<b>0.06</b>	<b>-0.18</b>	<b>-0.18</b>	<b>0.01</b>
Audio-visual, photographic and information processing equipment	123.8	-0.02	-0.06	-0.14	-0.07
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	-0.02	-0.02	-0.01	0.06
Recreational and cultural services	335.0	0.00	-0.03	-0.04	0.00
Newspapers, books and stationery	82.1	0.00	-0.02	-0.02	-0.01
Holidays	71.0	0.11	-0.05	0.02	0.02
<b>Education</b>	<b>83.0</b>	<b>0.00</b>	<b>0.01</b>	<b>0.01</b>	<b>0.01</b>
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	0.00	0.00
Tertiary education	10.4	0.00	0.00	0.00	0.00
Education not definable by level	12.4	0.00	0.00	0.00	0.00
<b>Restaurants and hotels</b>	<b>373.7</b>	<b>0.00</b>	<b>-0.11</b>	<b>-0.10</b>	<b>0.01</b>
Catering services	367.5	0.00	-0.09	-0.09	0.02
Accommodation services	6.2	0.00	-0.01	-0.01	-0.01
<b>Miscellaneous goods and services</b>	<b>767.0</b>	<b>-0.01</b>	<b>-0.09</b>	<b>-0.07</b>	<b>-0.02</b>
Personal care	262.0	0.00	-0.08	-0.06	-0.01
Personal effects n.e.c.	67.3	0.00	0.00	0.00	-0.01
Social protection	28.7	0.00	0.02	0.03	0.04
Insurance	289.1	0.00	0.00	0.00	0.00
Financial services n.e.c.	26.9	0.00	-0.01	-0.01	-0.01
Other services n.e.c.	93.0	0.00	-0.02	-0.03	-0.03
<b>CPI</b>	<b>10,000</b>	<b>0.37</b>	<b>-0.76</b>	<b>-0.53</b>	<b>2.70</b>

Source: Central Bureau of Statistics Aruba

## Course of Indices for 2005 up to November 2010



## 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.