



CENTRALE BANK VAN ARUBA

STATISTICAL TABLES
REAL SECTOR
FOURTH QUARTER 2018
Last updated April 29, 2019

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TABLE 1.2A: BUSINESS PERCEPTION RESULTS

Survey questionnaire responses

	Improvement				No change				Worsening				Current	Short-term	Business perception index		
	2018				2018				2018								
	I	II	III	IV	I	II	III	IV	I	II	III	IV					
A. Current economic conditions	31.0	28.6	31.7	21.7	50.0	45.5	38.5	52.2	19.0	25.9	29.8	26.1	2015				
1. The economic conditions in Aruba	20.0	21.4	3.8	4.3	52.0	42.9	50.0	60.9	28.0	35.7	46.2	34.8	2016		100.7	99.5	100.1
2. The activities of your business	36.0	35.7	19.2	13.0	48.0	28.6	53.8	56.5	16.0	35.7	26.9	30.4	2017		97.1	105.6	102.1
3. The investments of your business	40.0	35.7	30.8	34.8	52.0	46.4	50.0	43.5	8.0	17.9	19.2	21.7	2018		103.2	103.9	103.5
4. The number of employees that work for your company	28.0	21.4	73.1	34.8	48.0	64.3	0.0	47.8	24.0	14.3	26.9	17.4			101.2	100.3	100.8
5. Terms and conditions for obtaining finance	8.0	7.1	7.7	0.0	88.0	71.4	73.1	78.3	4.0	21.4	19.2	21.7	2017	I	96.5	103.7	100.1
														II	102.4	103.5	104.6
B. Expected short-term economic conditions 1)	15.0	21.4	14.4	20.7	66.0	49.1	58.7	57.6	19.0	29.5	26.9	21.7		III	106.8	107.0	103.9
1. The economic conditions in Aruba	8.0	3.6	0.0	13.0	48.0	46.4	53.8	52.2	44.0	50.0	46.2	34.8		IV	102.7	103.0	102.9
2. The activities of your business	12.0	25.0	11.5	30.4	76.0	50.0	65.4	52.2	12.0	25.0	23.1	17.4					
3. The investments of your business	24.0	28.6	26.9	21.7	64.0	46.4	53.8	60.9	12.0	25.0	19.2	17.4	2018	I	102.4	98.8	101.0
4. The number of employees that work for your company	16.0	28.6	19.2	17.4	76.0	53.6	61.5	65.2	8.0	17.9	19.2	17.4		II	100.5	98.4	99.5
														III	100.3	97.0	99.0
														IV	99.1	99.7	99.4

1) During the next 6 months.

Perceived developments of employment, profitability, sales, and average wage costs 1)

	Employment				Operational results								Sales				Average wage costs			
	2018				Profits				Losses				2018				2018			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
1. no change	48.0	64.3	38.5	56.5	28.0	14.3	11.5	17.4	0.0	7.1	3.8	4.3	20.0	14.3	7.7	13.0	16.0	21.4	23.1	13.0
2. increase of less than 5.1 percent	28.0	17.9	26.9	30.4	20.0	25.0	7.7	26.1	0.0	3.6	7.7	4.3	44.0	28.6	23.1	34.8	56.0	53.6	46.2	60.9
3. increase between 5.1 and 10.1 percent	0.0	0.0	3.8	0.0	12.0	7.1	3.8	8.7	0.0	0.0	0.0	0.0	20.0	17.9	11.5	8.7	16.0	10.7	3.8	8.7
4. increase of more than 10.1 percent	0.0	3.6	3.8	0.0	12.0	14.3	19.2	8.7	0.0	3.6	3.8	4.3	0.0	14.3	7.7	4.3	0.0	0.0	7.7	8.7
5. decrease of less than 5 percent	20.0	10.7	23.1	13.0	8.0	3.6	19.2	13.0	4.0	3.6	3.8	0.0	4.0	14.3	38.5	21.7	12.0	14.3	19.2	4.3
6. decrease between 5.1 and 10.1 percent	0.0	0.0	0.0	0.0	4.0	10.7	7.7	4.3	0.0	0.0	0.0	0.0	8.0	7.1	0.0	13.0	0.0	0.0	0.0	4.3
7. decrease of more than 10.1 percent	4.0	3.6	3.8	0.0	12.0	0.0	11.5	8.7	0.0	7.1	0.0	0.0	4.0	3.6	11.5	4.3	0.0	0.0	0.0	0.0
Total	100.0	100.0	100.0	100.0	96.0	75.0	80.8	87.0	4.0	25.0	19.2	13.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

1) In percentages of all respondents.

TABLE 1.2B: BUSINESS PERCEPTION SURVEY (INDICES BY SELECTIVE SECTORS)

	2015	2016	2017	2018	2016				2017				2018			
					I	II	III	IV	I	II	III	IV	I	II	III	IV
1. Index current economic condition	100.7	97.1	103.2	101.2	97.2	96.9	98.6	99.4	96.5	104.5	103.5	102.7	102.4	100.5	100.3	99.1
a. Manufacturing (excl. manufacture of refined petroleum products)	90.0	100.0	96.7	90.0	90.0	100.0	100.0	103.3	90.0	100.0	100.0	100.0	96.7	95.0	90.0	90.0
b. Electricity, gas and water supply, manufacture of refined petroleum products	110.0	110.0	110.0	100.0	110.0	100.0	110.0	100.0	100.0	100.0	90.0	90.0	95.0	90.0	95.7	100.0
c. Construction	110.0	90.0	100.0	93.3	95.7	93.3	100.0	95.7	90.0	90.0	98.6	98.6	96.7	101.1	97.5	93.3
d. Wholesale and retail trade, repair of motor vehicles and household goods	105.0	105.0	98.0	106.0	96.7	101.4	100.0	102.0	91.8	98.0	103.3	101.4	103.3	100.9	102.0	103.3
e. Hotels and restaurants	100.0	90.0	102.0	103.3	98.0	93.3	100.0	110.0	103.3	100.0	107.5	105.0	102.0	110.0	103.3	100.0
f. Transport, storage and communication	95.0	95.7	107.8	110.0	90.0	100.0	98.0	98.3	101.4	108.2	103.8	105.6	108.0	107.1	107.1	95.7
g. Financial intermediation	100.0	100.0	110.0	94.0	94.0	110.0	103.3	90.0	100.0	105.0	90.0	110.0	110.0	100.0	98.9	110.0
h. Real estate and other business activities	96.7	100.0	110.0	100.0	105.0	103.3	96.7	96.7	100.0	110.0	100.0	102.0	101.4	90.0	103.3	100.0
i. Health, other community and personal service activities	101.4	95.5	102.0	105.7	101.4	90.0	93.8	99.2	99.1	104.3	105.7	105.6	105.0	104.0	101.4	100.8
2. Index short-term future economic condition	99.5	105.6	103.9	100.3	100.3	103.8	104.6	103.5	103.7	104.8	104.5	103.0	98.8	98.4	97.0	99.7
a. Manufacturing (excl. manufacture of refined petroleum products)	90.0	100.0	90.0	90.0	90.0	100.0	100.0	96.7	90.0	100.0	100.0	90.0	90.0	90.0	90.0	90.0
b. Electricity, gas and water supply, manufacture of refined petroleum products	100.0	110.0	110.0	90.0	100.0	110.0	110.0	110.0	100.0	100.0	100.0	110.0	100.0	94.0	90.0	90.0
c. Construction	90.0	95.0	90.0	90.0	90.0	90.0	110.0	93.3	103.3	110.0	90.0	95.0	90.0	94.0	90.0	90.0
d. Wholesale and retail trade, repair of motor vehicles and household goods	101.1	107.1	98.0	102.0	97.5	104.3	94.0	100.0	98.9	96.7	98.0	102.5	90.0	102.0	93.3	103.3
e. Hotels and restaurants	100.0	110.0	107.5	90.0	98.0	110.0	110.0	100.0	110.0	100.0	106.0	103.3	100.0	103.3	96.7	90.0
f. Transport, storage and communication	90.0	105.6	107.1	110.0	98.0	108.0	107.8	106.0	106.7	110.0	110.0	104.0	107.1	100.0	92.9	103.3
g. Financial intermediation	105.6	107.5	106.7	96.7	110.0	107.1	106.0	110.0	100.0	106.0	106.7	110.0	100.0	96.7	98.9	100.0
h. Real estate and other business activities	110.0	110.0	107.5	110.0	110.0	110.0	110.0	110.0	100.0	110.0	110.0	110.0	110.0	110.0	110.0	105.0
i. Health, other community and personal service activities	101.4	95.5	102.0	105.7	101.4	90.0	93.8	99.2	99.1	104.3	105.7	105.6	105.0	104.0	101.4	100.8
3. Business Perception Index	100.1	102.1	103.5	100.8	98.3	100.2	101.1	101.2	100.1	104.6	103.9	102.9	101.0	99.5	99.0	99.4
a. Manufacturing (excl. manufacture of refined petroleum products)	90.0	100.0	94.0	90.0	90.0	100.0	100.0	100.0	90.0	100.0	100.0	98.0	94.0	92.5	90.0	90.0
b. Electricity, gas and water supply, manufacture of refined petroleum products	110.0	110.0	110.0	90.0	110.0	105.0	110.0	106.0	100.0	100.0	90.0	100.0	97.5	92.0	95.0	90.0
c. Construction	94.0	92.5	96.7	92.2	94.0	92.0	104.0	94.6	96.7	102.0	96.0	97.3	94.0	98.6	96.0	92.0
d. Wholesale and retail trade, repair of motor vehicles and household goods	102.9	106.4	98.0	104.0	97.0	102.9	98.0	101.1	95.0	97.5	100.9	102.0	100.0	101.4	98.8	103.3
e. Hotels and restaurants	100.0	103.3	105.4	100.0	98.0	98.9	103.3	110.0	106.7	100.0	106.9	104.5	101.4	106.7	101.1	96.7
f. Transport, storage and communication	92.5	101.3	107.5	110.0	93.1	104.0	102.6	101.8	103.8	108.7	105.8	104.7	107.6	103.3	100.0	99.2
g. Financial intermediation	102.2	105.0	108.2	96.2	104.1	106.4	102.7	104.0	100.0	106.4	103.3	107.8	100.8	98.2	98.9	103.3
h. Real estate and other business activities	103.3	106.7	108.2	105.0	107.5	107.1	103.3	104.3	100.0	110.0	108.0	106.9	105.4	98.6	106.0	102.5
i. Health, other community and personal service activities	103.8	101.2	102.7	105.8	101.4	93.3	96.4	101.4	102.8	102.3	105.2	102.6	100.9	101.0	101.4	102.0

TABLE 1.3: PARTIAL ECONOMIC ACTIVITY INDEX 1)
2000 = 100

Period average	Share in GDP (in percent)	2009	2010	2011	2012	2010				2011				2012			
						I	II	III	IV	I	II	III	IV	I	II	III	IV
Total Index	68.7	-4.8	-0.9	6.1	-0.9	-4.7	-1.5	0.6	2.0	8.0	7.9	6.7	2.0	-2.6	-2.3	-0.7	1.9
a. Utilities	3.4	-0.7	-3.8	4.9	-5.6	-0.8	-3.7	-3.3	-7.5	4.8	2.2	6.0	6.6	-1.2	-6.6	-7.1	-7.4
b. Construction	6.2	-17.5	-18.2	41.4	-5.3	-51.5	-23.0	-2.2	25.7	70.0	35.8	35.2	32.5	-14.2	1.8	-8.8	-0.1
c. Trade	13.7	-19.6	0.1	9.8	-6.1	-3.4	1.3	7.3	-2.6	10.3	21.8	9.7	1.7	-7.0	-10.8	-8.4	0.0
d. Hotels & restaurants	11.1	-1.3	2.7	2.8	5.0	5.7	0.4	0.8	3.4	1.0	6.0	5.8	-1.1	4.0	3.0	5.9	7.2
e. Transport, storage & communication	8.5	0.7	2.3	5.5	0.4	-1.2	2.1	1.5	6.8	9.9	8.7	6.3	-2.2	-0.7	-1.9	1.3	2.9
f. Housing	12.5	2.6	1.8	1.4	3.1	1.7	2.6	1.7	1.5	1.3	0.4	2.0	1.9	2.9	3.4	3.1	2.9
g. Public adm. & education	13.2	0.4	-2.3	-2.0	-5.7	1.9	-2.2	-5.0	-3.6	2.0	0.7	-2.8	-8.0	-11.2	-9.1	-1.2	0.1

1) Percentage changes compared to the corresponding period a year earlier.

Source: CBS.

TABLE 1.4: TOURISM

Period	Total visitor nights	Total visitors	Visitors by origin							Diversification Index 1)	Average nights stayed	Average hotel occupancy rate	Cruise tourism	
			North America	Of which U.S.A.	Latin America	Of which Venezuela	Europe	Of which Netherlands	Other				Number of passengers	Ship calls
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
2015	8,329,592	1,224,935	665,593	621,427	437,254	350,918	80,590	35,632	41,498	0.34	6.8		607,019	296
2016	7,975,560	1,101,954	670,891	628,832	302,009	209,128	86,743	36,342	42,311	0.37	7.2		656,043	307
2017	7,966,583	1,070,548	743,017	695,851	202,776	96,653	90,871	37,246	33,884	0.44	7.4		792,384	352
2018													815,161	334
2016 I	2,199,687	310,255	181,259	164,594	99,864	77,886	17,593	8,399	11,539	0.35	7.1		279,844	138
II	1,823,562	266,484	170,575	163,507	66,226	44,461	19,567	8,513	10,116	0.41	6.8		96,493	41
III	2,030,355	273,060	156,813	150,329	78,977	53,981	26,610	9,577	10,660	0.35	7.4		62,889	26
IV	1,921,956	252,155	162,244	150,402	56,942	32,800	22,973	9,853	9,996	0.38	7.6		216,817	102
2017 I	2,039,562	263,565	195,255	177,217	42,335	18,406	18,387	9,131	7,588	0.47	7.7		280,923	123
II	1,864,287	263,178	187,669	179,426	45,650	19,218	21,412	8,752	8,447	0.48	7.1		154,214	60
III	1,998,134	270,714	173,232	165,790	62,070	33,389	27,286	9,608	8,126	0.40	7.4		101,932	42
IV	2,064,600	273,091	186,861	173,418	52,721	25,640	23,786	9,755	9,723	0.42	7.6		255,315	127
2018 I	2,142,065	274,955	214,355	194,294	33,418	7,277	19,517	9,640	7,665	0.51	7.8		308,838	134
II	1,869,480	265,422	199,316	190,616	37,318	10,247	19,212	9,633	9,576	0.52	7.0		128,407	48
III	1,984,586	268,937	184,008	176,370	48,857	17,341	26,714	9,884	9,358	0.44	7.4		131,016	46
IV													246,900	106

1) The Diversification Index measures the concentration within the tourist market, and thus demonstrates the degree of diversification by tourist origin countries. The higher the index, the higher the level of concentration, meaning less diversification. For further reference on the methodology (which is an application of a Herfindahl-Hirschman index) see the Quarterly Bulletin (2011-I) of the CBA.

Source: Aruba Tourism Authority; CBS; Aruba Hotel and Tourism Association; Cruise Tourism Authority.

TABLE 1.5: GROWTH IN STAY-OVER TOURISM

	Total visitor nights	Total visitors	North America	Of which U.S.A.	Latin America	Of which Venezuela	Europe	Of which Nether- lands	Other	
Period	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
<i>Quarterly percentage changes 1)</i>										
2017	I	-7.3	-15.0	7.7	7.7	-57.6	-76.4	4.5	8.7	-34.2
	II	2.2	-1.2	10.0	9.7	-31.1	-56.8	9.4	2.8	-16.5
	III	-1.6	-0.9	10.5	10.3	-21.4	-38.1	2.5	0.3	-23.8
	IV	7.4	8.3	15.2	15.3	-7.4	-21.8	3.5	-1.0	-2.7
2018	I	5.0	4.3	9.8	9.6	-21.1	-60.5	6.1	5.6	1.0
	II	0.3	0.9	6.2	6.2	-18.3	-46.7	-10.3	10.1	13.4
	III	-0.7	-0.7	6.2	6.4	-21.3	-48.1	-2.1	2.9	15.2
<i>Cumulative percentage changes 2)</i>										
2017	I	-7.3	-15.0	7.7	7.7	-57.6	-76.4	4.5	8.7	-34.2
	II	-3.0	-8.7	8.8	8.7	-47.0	-69.2	7.1	5.7	-26.0
	III	-2.5	-6.2	9.3	9.2	-38.8	-59.7	5.2	3.8	-25.2
	IV	-0.1	-2.9	10.8	10.7	-32.9	-53.8	4.8	2.5	-19.9
2018	I	5.0	4.3	9.8	9.6	-21.1	-60.5	6.1	5.6	1.0
	II	2.8	2.6	8.0	7.9	-19.6	-53.4	-2.7	7.8	7.5
	III	1.6	1.5	7.5	7.4	-20.3	-50.9	-2.4	6.1	10.1

1) As compared to a year earlier.

2) From the beginning of the year to the end of the indicated period as compared to the corresponding period of a year earlier.

TABLE 1.6: CONSUMER PRICE INDICES
(December 2006 = 100)

	Total index	Food & non-alcoholic beverages	Alcoholic beverages & tobacco products	Clothing & footwear	Housing	Household operation	Health	Transport	Communication	Recreation & culture	Education	Restaurants & hotels	Miscellaneous goods & services
Weights	10,000	1,125	82	626	2,553	741	236	1,815	706	891	83	374	767
End of period	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2015	118.4	148.5	146.8	93.3	138.2	95.5	92.2	109.2	90.4	111.7	117.9	135.2	103.2
2016	118.0	149.8	148.4	91.9	134.5	98.3	95.4	110.0	90.0	111.8	122.4	136.2	103.1
2017	117.6	149.4	150.2	89.7	130.0	96.4	96.2	115.9	89.7	110.0	129.2	139.3	102.7
2018	123.0	166.0	159.6	96.0	131.5	97.0	105.9	120.4	101.2	115.1	130.1	144.2	104.5
2016 I	116.5	146.5	148.6	90.1	133.8	96.2	95.4	107.2	90.1	110.8	118.1	135.1	103.1
II	117.4	147.1	148.8	90.9	133.9	95.5	96.5	111.7	90.6	109.6	118.3	136.1	103.4
III	117.3	146.3	148.9	89.6	134.2	96.4	95.8	111.6	90.7	108.9	119.9	136.1	103.3
IV	118.0	149.8	148.4	91.9	134.5	98.3	95.4	110.0	90.0	111.8	122.4	136.2	103.1
2017 I	116.4	148.1	149.6	90.6	129.6	96.2	95.5	111.8	89.7	108.8	125.1	136.9	103.3
II	116.7	148.1	149.6	91.0	129.8	94.8	97.0	112.2	89.7	110.0	128.1	138.2	103.3
III	116.4	148.2	150.2	90.5	130.0	95.6	95.6	112.1	89.7	106.8	129.2	138.3	102.8
IV	117.6	149.4	150.2	89.7	130.0	96.4	96.2	115.9	89.7	110.0	129.2	139.3	102.7
2018 I	119.4	156.5	152.6	91.2	130.3	95.6	99.3	118.3	91.2	112.9	129.2	139.6	103.2
II	120.7	158.9	153.3	90.7	130.6	95.9	99.1	121.7	91.3	116.0	129.2	139.5	103.4
III	122.1	161.4	159.8	92.4	131.1	98.3	106.2	122.5	93.1	115.3	130.1	144.6	104.9
IV	123.0	166.0	159.6	96.0	131.5	97.0	105.9	120.4	101.2	115.1	130.1	144.2	104.5

Source: CBS.

TABLE 1.7A: PERCENTAGE PRICE CHANGES
(December 2006 = 100)

End of period	All groups index	Percentage Change			
		Over previous month	Over 3 months earlier	Over a year earlier	Last 12 months over previous 12 months
2015	118.4	0.6	0.2	-0.9	0.5
2016	118.0	0.2	0.6	-0.3	-0.9
2017	117.6	0.8	1.0	-0.3	-0.5
2018	123.0	0.3	0.7	4.6	3.6
2016 I	116.5	-0.3	-1.6	-1.8	0.0
II	117.4	0.4	0.8	-0.8	-0.6
III	117.3	0.2	-0.1	-0.7	-1.0
IV	118.0	0.2	0.6	-0.3	-0.9
2017 I	116.4	-0.1	-1.3	-0.1	-0.7
II	116.7	-0.2	0.2	-0.6	-0.4
III	116.4	0.1	-0.2	-0.8	-0.4
IV	117.6	0.8	1.0	-0.3	-0.5
2018 I	119.4	0.5	1.5	2.6	0.0
II	120.7	0.7	1.0	3.4	0.8
III	122.1	0.0	1.2	4.9	2.3
IV	123.0	0.3	0.7	4.6	3.6

TABLE 1.7B: PERCENTAGE PRICE CHANGES

(Percentage change)

	2015	2016	2017	2018	2016				2017				2018			
					I	II	III	IV	I	II	III	IV	I	II	III	IV
<i>(Period average)</i>																
Total index	0.5	-0.9	-0.5	3.6	-1.0	-1.4	-1.1	-0.1	-0.2	-0.3	-0.9	-0.6	1.8	2.9	5.0	4.6
Food and non-alcoholic beverages	2.2	-0.2	0.7	7.5	-0.9	-0.2	-0.9	1.2	0.4	1.1	1.1	0.1	4.1	6.8	9.4	9.6
Alcoholic beverages and tobacco	3.7	2.3	0.8	4.2	3.2	3.1	1.5	1.2	0.9	0.5	0.7	1.0	2.0	2.4	6.2	6.2
Clothing and footwear	-2.9	0.9	0.3	1.4	0.5	0.2	2.8	0.1	-0.2	0.6	1.0	-0.3	-1.7	0.4	0.8	6.3
Housing	3.8	-2.5	-3.2	0.8	-2.2	-2.4	-2.6	-2.6	-3.5	-3.1	-3.1	-3.2	0.7	0.6	0.9	1.0
Household operation	0.1	-0.2	-0.2	0.9	-0.6	-1.3	-0.5	1.7	2.0	-0.1	-0.8	-1.6	-1.8	0.4	3.2	1.9
Health	0.7	1.2	0.5	6.6	-0.6	2.1	1.1	2.2	1.4	-0.1	-0.1	0.8	2.1	3.3	10.3	10.7
Transport	-6.8	-2.1	2.2	7.0	-2.6	-4.2	-2.9	1.5	3.5	2.0	0.0	3.3	4.7	6.7	10.1	6.4
Communications	2.4	0.5	-0.6	3.2	0.6	1.2	0.5	-0.3	-0.4	-0.6	-1.0	-0.4	0.7	1.8	3.8	6.8
Recreation and culture	0.6	0.4	-1.3	4.7	1.0	-0.5	1.0	0.0	-1.1	0.4	-2.2	-2.1	2.8	2.9	7.7	5.4
Education	0.4	1.8	6.9	1.7	1.2	1.4	1.5	3.2	5.2	7.5	8.4	6.3	4.0	1.6	0.7	0.7
Restaurants and hotels	3.6	1.4	1.5	2.7	2.2	1.3	1.3	0.8	1.3	1.3	1.5	2.0	1.8	1.5	3.8	3.8
Miscellaneous goods and services	1.6	0.4	-0.3	1.0	0.4	0.4	0.3	0.4	-0.1	0.0	-0.3	-0.6	-0.2	0.1	1.9	2.1
<i>Total index (excl. energy-related components)</i>	1.1	0.5	0.3	2.8	0.5	0.2	0.6	0.7	0.2	0.6	0.2	0.1	1.5	2.1	3.8	3.9
<i>Total index (excl. energy & food-related components)</i>	0.9	0.5	0.2	1.8	0.6	0.2	0.7	0.5	0.1	0.5	0.0	0.1	0.9	1.2	2.6	2.6
<i>(12-month average)</i>																
Aruba	0.5	-0.9	-0.5	3.6	0.0	-0.6	-1.0	-0.9	-0.7	-0.4	-0.4	-0.5	0.0	0.8	2.3	3.6
Aruba (excl. energy-related components)	1.1	0.5	0.3	2.8	0.8	0.5	0.5	0.5	0.4	0.5	0.4	0.3	0.6	1.0	1.9	2.8
Aruba (excl. energy & food-related components)	0.9	0.5	0.2	1.8	0.7	0.5	0.6	0.5	0.4	0.4	0.3	0.2	0.4	0.6	1.2	1.8
United States	0.1	1.3	2.1	2.4	0.4	0.7	0.9	1.3	1.6	1.8	2.1	2.1	2.1	2.3	2.4	2.4
Curacao	-0.4	-0.1	1.6	2.6	-0.4	-0.5	-0.6	-0.1	0.5	0.9	1.3	1.6	1.7	1.8	2.3	2.6
The Netherlands	0.6	0.3	1.4	1.7	0.7	0.5	0.3	0.3	0.5	0.8	1.2	1.4	1.3	1.4	1.6	1.7
Real exchange rate index (1995=100) 1)	106.4	104.1	101.4	102.6	105.8	105.2	104.6	104.1	103.4	102.8	102.1	101.4	101.4	101.4	102.0	102.6

1) Relative to the U.S.A. Based on CPI 12-month averages.

Source: CBA, CBS Aruba, CBS Netherlands, CBS Netherlands Antilles, Bureau of Labor Statistics.

TABLE 1.8: CONSTRUCTION ACTIVITIES

	2015	2016	2017	2018	2016				2017				2018			
					I	II	III	IV	I	II	III	IV	I	II	III	IV
1. Number of construction permits granted	843	694	831	796	187	151	210	146	164	189	273	205	184	169	165	278
a. Houses 1)	453	370	454	443	108	82	101	79	93	117	139	105	95	88	99	161
b. Apartments	55	54	58	56	14	11	16	13	14	6	23	15	15	8	13	20
c. Office buildings	1	7	17	6	0	2	2	3	1	6	7	3	2	1	1	2
d. Stores and shopping malls 2)	24	14	8	17	5	2	5	2	2	2	2	2	5	5	2	5
e. Others	310	249	294	274	60	54	86	49	54	58	102	80	67	67	50	90
2. Total value of construction permits (x Afl. million)	389.0	282.5	576.2	463.3	51.8	51.0	80.2	99.5	102.3	211.1	128.4	134.4	95.8	66.1	80.6	220.7
a. Houses 1)	114.0	89.0	116.8	139.6	24.3	22.7	22.1	20.0	22.7	30.0	36.4	27.7	26.7	32.3	25.5	55.1
b. Apartments	98.0	41.0	89.9	55.1	7.9	6.9	18.7	7.4	53.9	3.8	19.8	12.4	25.1	3.4	6.7	19.8
c. Office buildings	2.5	5.8	39.1	2.8	0.0	0.7	3.8	1.4	0.6	11.4	20.1	7.0	1.5	0.1	0.3	0.9
d. Stores and shopping malls 2)	29.6	26.9	24.0	69.5	8.3	3.1	10.3	5.1	3.7	1.7	11.8	6.9	9.9	9.1	1.5	49.0
e. Others	145.0	119.8	306.4	196.3	11.3	17.6	25.3	65.6	21.3	164.2	40.3	80.5	32.6	21.2	46.6	95.8
3. Total cement imported (x 1,000 Kg)	46,500	50,620	58,473	65,599	15,449	10,387	12,348	12,436	13,639	9,112	15,585	20,137	26,649	15,304	13,223	10,423
4. Number of electrical installations approved	1,510	2,002	1,909		445	454	481	622	372	390	509	638	316	480		
a. Houses 1)	315	430	428		69	106	115	140	75	83	121	149	69	77		
b. Apartments	281	514	471		133	89	114	178	115	71	114	171	92	137		
c. Enterprises	108	62	149		16	12	11	23	34	28	42	45	14	38		
d. Others	806	996	861		227	247	241	281	148	208	232	273	141	228		

1) Excluding additions to and remodelling of existing houses.

2) Excluding additions to and remodelling of existing stores and shopping malls.

Source: Department of Public Works; Department of Technical Inspection; CBS.

TABLE 1.9: UTILITIES

	2015	2016	2017	2018	2016				2017				2018				
					I	II	III	IV	I	II	III	IV	I	II	III	IV	
1. Water																	
a. Quantity (x 1,000 m3) 1)	11,872	12,424	12,096	12,124	3,095	3,146	3,083	3,100	2,920	3,087	3,151	2,938	3,010	3,153	3,164	2,796	
b. Value (in Afl. mln.)	105.4	110.7	107.0	107	27.7	28.1	27.4	27.6	25.7	27.4	28.1	25.8	26.5	28.1	28.2	24.2	
c. Connected premises	44,745	45,149	46,522	47,633	44,998	45,180	45,501	45,149	45,852	46,114	46,328	46,522	46,806	47,267	47,400	47,633	
2. Electricity																	
a. Quantity (x 1,000 KWH)	778,395	793,853	804,723	775,884	181,799	200,687	209,270	202,098	178,090	207,228	214,671	204,734	178,925	193,235	206,749	196,974	
b. Value (in Afl. mln)	419.9	413.7	386.1	376.3	94.7	105.2	108.9	104.9	86.4	97.5	103.5	98.7	87.5	93.9	99.9	95.0	
c. Connections	47,201	48,574	49,138	50,089	47,955	48,202	48,293	48,574	49,007	49,090	48,327	49,138	49,671	49,734	45,958	50,089	
d. Number of users	43,748	44,931	45,430	46,270	44,294	44,504	44,691	44,931	44,869	44,949	45,225	45,430	45,541	45,731	49,759	46,270	
3. Gas																	
a. Quantity (x 1,000 pounds)	23,551	24,243	24,790		5,920	5,868	6,064	6,391	6,211	6,032	6,039	6,508	6,278	6,081	6,016		
b. Value (in Afl. mln)	24.3	23.4	27.0		5.6	5.6	5.9	6.3	6.5	6.5	6.6	7.4	8.1	7.8	7.4		
c. Households	7,108	7,014	7,241		1,691	1,733	1,669	1,922	1,783	1,770	1,729	1,959	1,803	1,786	1,686		
d. Commercial users	16,442	17,229	17,549		4,229	4,134	4,395	4,470	4,428	4,262	4,310	4,549	4,475	4,295	4,331		
4. Utilities index 2)	150.9	151.1	151.7		138.7	150.0	154.8	151.1	135.6	153.3	158.2	151.7	137.4	146.1	153.7		

1) Sale of water, excluding to Coastal Aruba N.V., Valero Aruba Refining Co. N.V. and vessels.

2) For annual data, base: 1996 = 100

For quarterly data, base: average 1996 =100

Source: WEB Aruba N.V.; N.V. ELMAR; Arugas N.V.

TABLE 1.10: MERCHANDISE FOREIGN TRADE BY COUNTRY

	2015	2016	2017	2018	2016				2017				2018			
					I	II	III	IV	I	II	III	IV	I	II	III	IV
1. Export of goods (f.o.b.)	57.3	82.4	85.3	75.3	14.8	28.0	20.4	19.2	18.5	24.8	23.4	18.5	21.1	16.6	20.3	17.2
a. United States	20.4	33.3	33.9	36.2	7.2	12.8	7.0	6.2	9.4	9.8	6.6	8.2	12.5	6.4	8.3	9.0
b. Colombia	0.5	0.8	0.3	0.6	0.3	0.2	0.3	0.1	0.1	0.1	0.1	0.1	0.3	0.1	0.1	0.1
c. The Netherlands	12.2	17.6	10.7	15.2	1.8	6.7	3.1	5.9	2.3	3.8	1.8	2.9	2.7	4.5	5.9	2.1
d. The Netherlands Antilles	3.1	1.4	1.0	1.7	0.4	0.3	0.3	0.4	0.2	0.2	0.4	0.2	0.3	0.7	0.4	0.3
e. Venezuela	1.7	7.4	2.4	0.9	0.6	0.8	4.0	2.0	0.7	0.6	0.7	0.5	0.0	0.1	0.3	0.4
f. Other countries	19.4	21.9	36.8	20.7	4.4	7.2	5.7	4.6	5.9	10.4	13.8	6.6	5.2	4.8	5.3	5.4
2. Import of goods (c.i.f.)	1,967.4	1,942.8	2,056.7	2,205.1	448.5	451.8	480.3	562.3	483.0	483.2	483.9	606.6	532.0	535.2	554.4	583.4
a. United States	1,153.5	1,120.5	1,185.3	1,277.1	265.0	261.1	264.3	330.2	285.2	281.2	272.8	346.1	312.4	303.7	311.6	349.5
b. The Netherlands	233.3	255.4	276.8	283.9	52.6	62.7	75.4	64.7	58.5	63.5	68.4	86.5	72.5	69.4	76.6	65.4
c. The Netherlands Antilles	4.7	3.6	10.0	8.4	0.9	0.3	0.5	1.8	2.5	1.1	2.0	4.4	1.6	0.9	3.2	2.7
d. Venezuela	27.5	24.3	33.3	12.8	5.7	6.5	6.1	6.0	10.3	6.2	9.5	7.2	1.7	1.5	4.2	5.4
e. Panama	66.7	62.9	56.3	58.3	14.6	15.4	14.6	18.3	13.4	12.2	13.3	17.5	13.9	12.5	15.2	16.7
f. Brazil	34.3	33.5	37.9	45.8	9.3	6.4	7.5	10.3	6.5	8.7	9.7	13.1	11.5	10.6	13.7	10.0
g. Colombia	41.0	43.3	42.0	46.9	9.1	10.0	11.0	13.1	10.1	9.8	11.6	10.5	9.8	12.6	12.4	12.2
h. Japan	18.1	18.2	23.3	23.7	4.7	4.4	5.1	4.1	4.7	6.7	4.8	7.1	6.3	7.4	5.0	4.9
i. Other countries	388.5	381.1	391.7	448.2	86.6	84.9	95.8	113.7	91.7	93.7	92.0	114.3	102.3	116.7	112.6	116.5
3. Trade balance	-1,910.1	-1,860.4	-1,971.4	-2,129.8	-433.7	-423.8	-459.9	-543.0	-464.4	-458.3	-460.5	-588.1	-510.9	-518.6	-534.1	-566.2

Source: CBS.

TABLE 1.11: MERCHANDISE FOREIGN TRADE BY PRODUCT CATEGORY

	2015	2016	2017	2018	2016				2017				2018			
					I	II	III	IV	I	II	III	IV	I	II	III	IV
1. Export of goods (f.o.b.)	57.3	82.4	85.3	75.3	14.8	28.0	20.4	19.2	18.5	24.8	23.4	18.5	21.1	16.6	20.3	17.2
a. Live animals and other animal products	0.5	3.2	1.8	0.6	0.1	0.8	0.8	1.5	0.4	0.6	0.4	0.4	0.0	0.1	0.2	0.2
b. Transport equipment	7.4	3.8	2.2	4.0	0.9	1.3	1.0	0.5	0.7	1.0	0.0	0.5	0.6	1.3	1.1	1.0
c. Art objects and collectors' items	6.3	6.8	4.8	9.5	1.0	2.9	2.0	1.0	2.2	1.5	0.0	1.0	2.0	2.8	3.2	1.6
d. Machinery and electro technical equipment	4.6	9.1	4.5	6.5	1.8	2.0	3.1	2.2	1.4	1.2	0.0	1.9	1.9	1.8	1.7	1.1
e. Other goods	38.5	59.4	72.0	54.8	11.1	20.9	13.5	13.9	13.8	20.6	22.9	14.7	16.6	10.7	14.2	13.3
2. Import of goods (c.i.f.)	1,967.4	1,942.8	2,056.7	2,205.1	448.5	451.8	480.3	562.3	483.0	483.2	483.9	606.6	532.0	535.2	554.4	583.4
a. Live animals and other animal products	172.3	172.6	191.7	188.8	41.0	40.4	40.7	50.5	43.9	45.5	46.8	55.5	47.9	46.2	49.9	44.7
b. Food products	251.3	258.9	265.6	279.7	58.4	64.2	64.1	72.2	63.9	61.8	63.2	76.8	66.9	70.0	70.3	72.6
c. Chemical products	186.0	189.0	195.6	202.4	43.8	48.0	45.4	51.8	45.0	47.5	47.2	56.0	47.0	52.9	52.6	49.9
d. Base metals and derivative works	84.3	92.8	88.5	81.0	21.5	22.4	25.1	23.9	22.5	19.6	23.7	22.7	18.2	20.8	21.0	21.0
e. Machinery and electro technical equipment	291.4	279.5	296.5	325.2	62.5	67.9	69.0	80.1	71.0	74.0	66.9	84.6	82.4	80.4	82.3	80.2
f. Transport equipment	135.6	147.8	151.7	162.1	35.4	32.4	39.4	40.6	34.3	38.0	36.0	43.4	42.5	42.9	34.6	42.1
g. Other goods	846.6	802.2	867.1	965.9	185.7	176.6	196.7	243.2	202.5	196.7	200.2	267.7	227.0	222.2	243.8	272.9
3. Trade balance	-1,910.1	-1,860.4	-1,971.4	-2,129.8	-433.7	-423.8	-459.9	-543.0	-464.4	-458.3	-460.5	-588.1	-510.9	-518.6	-534.1	-566.2

Source: CBS.

TABLE 1.12: OIL REFINING

	2015	2016	2017	2018	2016				2017				2018				
					I	II	III	IV	I	II	III	IV	I	II	III	IV	
1. Export of refined oil (x Afl. million)*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. Import of crude oil (x Afl. million)*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. Quantity of oil refined (x 1,000 barrels)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. Number of employees (at end of period) 1)	71	70	135	143	71	71	71	70	53	71	135	135	18	146	143	143	

1) Excluding persons employed with contractors.

Source: Aruba's oil refining company.

General note to the statistical tables

Figures in the statistical annex are quoted in millions of Aruban florin (Afl.), unless otherwise stated. The sum of separate items may differ in the final digit from the total shown, due to rounding.

Data are subject to revision if additional information becomes available.

The following symbols and conventions are used throughout the statistical annex:

blank: not available

o.o: nil

(d): discontinuity in the series; this sign will be accompanied by an explanatory note in the back section of the report.

Explanatory notes to the statistical tables

Table 1.1 Gross domestic product and its components

Gross Domestic Product (GDP) and its components are calculated on the basis of the United Nations publication “A System of National Accounts, 1993”. The Central Bureau of Statistics (CBS) has published GDP figures for 1995 up to and including 2006.

Exports and imports of goods and services exclude crude oil and refined oil products. An estimation of the net value added of the oil sector is included in the data on exports.

The various GDP components are deflated individually and a weighted average of these individual deflators is used to derive an overall deflator, which in turn is used to calculate the real GDP.

Population data refer to the average of this variable at the beginning and at the end of each respective year.

Table 1.6 Consumer price indices

As of December 2006, the consumer price index (CPI), produced by the CBS, is based on the household expenditure survey conducted by the CBS during the months of April and May of 2006.

The CBS has also changed the classification system used in the household expenditure surveys from a national to an international agreed Classification of Individual Consumption according to Purpose (COICOP) system for consumer expenditures and prices, which provides a suitable classification for CPI purposes.

In order to calculate consistent annual rates of change with the new classification, the CPI has to be calculated retrospectively for 2 years. Therefore, December of 2006 has been chosen as the new base period for the CPI. Subsequently, the CPI figures for 2007 and 2008 have been revised accordingly.

To convert the indexes prior to December 2006 to the new base period, these indexes should be multiplied by the ratio of the new and old index. For instance, the indexes in column 1 “Total index” prior to December 2006 should be multiplied by the ratio 0.8306 i.e.,

$$\frac{\text{December 2006 (New index)}}{\text{December 2006 (Old index)}} = \frac{100.0}{120.4} = 0.8306$$

Table 1.9 Utilities

The table Utilities reflect the consumption of water, electricity and gas. The consumption of water is excluding sales to Aruba’s Oil Refining Company and vessels. Each category is presented on the basis of its standard unit of measure. The utilities index is calculated as a weighted average of the indexed consumption of water, electricity and gas. The weights used here are dynamic and fluctuate according to the relative significance (during a period) of the value of each consumption category in the aggregated value. Annual data are based on the year 1996 (=100), while quarterly data are based on an average of that year, since the quarterly data reflect only the consumption during a quarter, while the annual data is cumulative.

Table 1.10 and Table 1.11 Merchandise foreign trade, respectively by country and by product category

The data for these tables (by country and by product category) are collected through customs administration using the automated Harmonized Commodity Description and Coding System. In this system, about 8,500 documents related to export and import are registered on a monthly basis. The CBS processes this data using the International General Trade System. Certain types of goods are excluded from the data, e.g., monetary gold, securities, bank notes, coins in circulation, and postal items. Furthermore, goods consigned by a government to its armed forces and diplomatic representatives abroad (including embassies, consulates, the Cabinet of the Netherlands-Antillean and

Aruban Affairs (VNO), the Cabinet of the Governor of Aruba representing the Queen of the Kingdom of the Netherlands, and the Marine Corps) are also excluded from the trade statistics. These exclusions are in accordance with the recommendations of the United Nations. Mineral fuels are also excluded.

The country from which goods are imported is the country of consignment or provenance from which goods are dispatched to Aruba without any commercial transactions in intermediate countries. The country of export is the country of destination known at the time of dispatchment as the final country to which goods are delivered.