



GHANA STATISTICAL SERVICE

Statistics for Development and Progress

Quarterly GDP Bulletin

Quarterly Gross Domestic Product (2008 - 2016)

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CONTENTS

NOTES

Appendix 1- Quarterly Gross Domestic Product at Current Prices by Economic Activity and Respective Sectoral Distribution

Appendix 2 - Agriculture: Value Added by Activity at Current Prices

Appendix 3- Industry: Value Added by Activity at Current Prices

Appendix 4 - Services: Value Added by Activity at Current Prices

Appendix 5 - Quarterly Gross Domestic Product at constant 2006 Prices by Economic Activity

Appendix 7 - Agriculture: Value Added by Activity

Appendix 8 - Agriculture: Value Added by Activity (Quarter-on-Quarter Change)

Appendix 9 - Agriculture: Value Added by Activity (Year-on-Year Change)

Appendix 10 - Industry: Value Added by Activity

Appendix 11 - Industry: Value Added by Activity (Quarter-on-Quarter Change)

Appendix 12 - Industry: Value Added by Activity (Year-on-Year Change)

Appendix 13-Service: Value Added by Activity

Appendix 14- Services: Value Added by Activity (Quarter-on-Quarter Change)

Appendix 15 - Services: Quarterly Value Added by Activity (Year-on-Year Change)

Appendix 16 - Seasonally Adjusted Gross Domestic Product at Constant 2006 Prices by Economic Activity

Appendix 17 - Agriculture: Seasonally Adjusted Value Added by Activity

Appendix 18 - Agriculture: Seasonally Adjusted Value Added by Activity

Appendix 19 - Agriculture: Seasonally Adjusted Value Added by Activity

Appendix 20 - Industry: Seasonally Adjusted Value Added by Activity

Appendix 21 - Industry: Seasonally Adjusted Value Added by Activity

Appendix 22 - Industry: Seasonally Adjusted Value Added by Activity

Appendix 23- Services: Seasonally Adjusted Value Added by Activity

Appendix 24 - Services: Seasonally Adjusted Value Added by Activity

Appendix 25 - Services: Seasonally Adjusted Value Added by Activity

NOTES

Forthcoming issues

Issue	Expected Date of Publication
First Quarter of 2016	June 22, 2016
Second Quarter of 2016	September 28, 2016
Third Quarter of 2016	December 21, 2016
Fourth Quarter of 2016	April 26, 2017

Explanatory notes

Introduction

This publication contains revised quarterly GDP estimates for the first to third quarters of 2015 and provisional GDP for the fourth quarter of 2015. GDP estimates for the period 2006 to 2014 are finalized.

Gross Domestic Product (GDP) is Ghana's official measure of economic growth.

There are three different approaches for calculating GDP. These are the production approach, the expenditure approach and the income approach. The production approach is used to calculate Ghana's GDP on a quarterly basis. For more information about GDP and the national accounts, go to Ghana Statistical Service website (www.statsghana.gov.gh).

Sources and Methods

This Statistical Release contains independently compiled quarterly estimates of the Gross Domestic Product (GDP) from the first quarter of 2009 to 2015. The estimates are based on the 1993 System of National Accounts (SNA), International Standard Industrial Classification Revision 4 published by the United Nations and Quarterly National Accounts Manual: Concepts, Data Sources and Compilation by International Monetary Fund (IMF). This means that the methodology, concepts and classifications are in accordance with the guidelines and recommendations of an internationally agreed system of national accounts. The estimates of real GDP use 2006 as the base year.

Methodology

Short-term indicators are used to estimate the quarterly GDP (See IMF's Quarterly National Accounts Manual: Concepts, Data Sources and Compilation) from which annual GDP estimates are calculated independently from the quarterly estimates. Alternatively, annual GDP estimates are derived as the sum of the GDP for the four quarters of the year.

Seasonal adjustment

The quarterly value added and GDP estimates have been seasonally adjusted. Seasonal adjustment is the process of estimating and removing seasonal effects from time series to reveal non-seasonal features. This process is to provide a clearer view of short term movements and trends and to allow early identification of turning points.

Revision policy

Revisions to the previously published series may be made each quarter. The frequency and cause of these revisions are as follows:

Quarterly: additional data becoming available for the latest quarters, which are used to update existing estimates; revisions to quarterly data (e.g. revisions to the Balance of Payments, Fiscal data, VAT data), which are incorporated as soon as they are available to maintain consistency among different series of published macro-economic statistics.

Annual: introduction of annual data following the release of the latest annual national accounts each year.

Irregular: Irregular revisions occur, for example, as a result of methodological changes. Note that, as far as possible, revisions of this nature are incorporated to coincide with the annual cycle of revisions outlined above.

Appendix 1- Quarterly Gross Domestic Product at Current Prices by Economic Activity and Respective Sectoral Distribution

Year Quarter	Value Added (Ghc Million)							% of GDP (@ basic prices)			
	Agriculture	Industry	Services	***FISIM	Total Value Added (GDP @_ basic prices)	Net indirect Taxes	Total (GDP in purchaser's value)	Agriculture	Industry	Services	Total Value Added (GDP @_ basic prices)
2008_Q1	1,652.7	1,451.5	3,166.1	161.8	6,108.4	524.1	6,632.5	26.4	23.1	50.5	100.0
2008_Q2	1,118.1	1,432.0	3,124.1	104.1	5,570.2	527.7	6,097.9	19.7	25.2	55.1	100.0
2008_Q3	2,925.3	1,431.6	3,902.7	245.8	8,013.7	667.7	8,681.4	35.4	17.3	47.3	100.0
2008_Q4	3,178.9	1,539.4	3,741.8	177.7	8,282.4	484.4	8,766.7	37.6	18.2	44.2	100.0
2009_Q1	1,626.3	1,661.3	4,437.5	174.9	7,550.1	126.0	7,676.2	21.1	21.5	57.4	100.0
2009_Q2	1,550.5	1,696.7	4,920.9	200.2	7,967.9	92.0	8,059.8	19.0	20.8	60.2	100.0
2009_Q3	4,086.0	1,717.4	3,957.8	172.0	9,589.1	253.5	9,842.6	41.9	17.6	40.5	100.0
2009_Q4	4,080.1	1,700.3	4,227.3	644.9	9,362.9	1,656.1	11,019.0	40.8	17.0	42.2	100.0
2010_Q1	2,424.4	2,101.1	6,170.6	382.0	10,314.0	578.3	10,892.3	22.7	19.6	57.7	100.0
2010_Q2	1,854.3	1,952.8	4,865.0	347.8	8,324.4	974.5	9,298.9	21.4	22.5	56.1	100.0
2010_Q3	4,290.7	1,972.9	5,386.3	386.6	11,263.2	1,352.4	12,615.7	36.8	16.9	46.2	100.0
2010_Q4	4,340.3	2,267.6	5,761.8	395.3	11,974.5	1,260.8	13,235.2	35.1	18.3	46.6	100.0
2011_Q1	2,305.3	3,004.6	7,351.8	310.8	12,350.8	1,405.5	13,756.3	18.2	23.7	58.1	100.0
2011_Q2	1,824.5	3,547.8	7,441.6	409.7	12,404.1	1,365.9	13,770.0	14.2	27.7	58.1	100.0
2011_Q3	4,705.2	3,755.0	5,977.3	349.5	14,088.1	1,279.9	15,368.0	32.6	26.0	41.4	100.0
2011_Q4	5,319.8	3,966.9	6,652.0	387.6	15,551.1	1,370.9	16,922.0	33.4	24.9	41.7	100.0
2012_Q1	2,733.3	4,766.6	7,672.5	461.5	14,710.9	1,208.0	15,918.9	18.0	31.4	50.6	100.0
2012_Q2	2,324.8	4,882.7	9,030.4	496.6	15,741.3	1,178.1	16,919.4	14.3	30.1	55.6	100.0
2012_Q3	5,757.1	5,276.5	7,995.6	570.2	18,459.1	1,074.3	19,533.3	30.3	27.7	42.0	100.0
2012_Q4	5,852.9	5,512.2	11,138.7	788.4	21,715.4	1,228.3	22,943.8	26.0	24.5	49.5	100.0
2013_Q1	3,126.7	6,435.8	9,545.8	716.7	18,391.5	1,173.0	19,564.6	16.4	33.7	50.0	100.0
2013_Q2	4,167.2	6,228.4	11,796.6	762.9	21,429.2	1,368.2	22,797.4	18.8	28.1	53.2	100.0
2013_Q3	6,252.6	5,994.6	10,885.9	568.5	22,564.7	1,492.6	24,057.3	27.0	25.9	47.1	100.0
2013_Q4	6,685.5	6,454.0	12,735.6	870.9	25,004.2	1,992.4	26,996.6	25.8	24.9	49.2	100.0
2014_Q1	3,819.6	7,080.4	13,598.1	928.9	23,569.2	2,255.1	25,824.3	15.6	28.9	55.5	100.0
2014_Q2	3,209.6	7,355.7	14,406.5	1,020.8	23,950.9	2,708.9	26,659.8	12.9	29.5	57.7	100.0
2014_Q3	8,084.0	7,184.3	14,591.7	1,227.9	28,632.2	3,003.5	31,635.6	27.1	24.1	48.9	100.0
2014_Q4	8,164.9	7,146.3	13,651.9	1,176.1	27,787.1	1,436.6	29,223.7	28.2	24.7	47.1	100.0
2015_Q1*	3,831.4	8,909.7	17,088.1	1,135.8	28,693.4	3,841.5	32,534.9	12.8	29.9	57.3	100.0

Appendix 1- Quarterly Gross Domestic Product at Current Prices by Economic Activity and Respective Sectoral Distribution

Year	Quarter	Value Added (Ghc Million)						% of GDP (@ basic prices)				
		Agriculture	Industry	Services	***FISIM	Total Value Added (GDP @ _basic prices)	Net indirect Taxes	Total (GDP in purchaser's value)	Agriculture	Industry	Services	Total Value Added (GDP @ _basic prices)
2015_Q2*		3,821.2	8,564.5	18,366.2	1,267.8	29,484.0	3,830.2	33,314.2	12.4	27.9	59.7	100.0
2015_Q3*		9,117.9	7,424.1	17,184.7	1,071.0	32,655.7	4,021.2	36,676.9	27.0	22.0	51.0	100.0
2015_Q4*		9,262.9	7,643.7	17,160.8	1,390.3	32,677.1	4,732.7	37,409.8	27.2	22.4	50.4	100.0
2016_Q1**		4,345.5	9,868.0	21,409.9	995.9	34,627.4	2,888.4	37,515.8	12.2	27.7	60.1	100.0

*Revised

**Provisional

*** Financial Intermediation Services Indirectly Measured (FISIM) is a negative item

Appendix 2 - Agriculture: Value Added by Activity at Current Prices

Year	Quarter	Value Added (GHc Million)				
		Crops & Cocoa	Livestock	Forestry & Logging	Fishing	Total Value Added
2008_Q1		821.9	134.9	264.5	431.4	1,652.7
2008_Q2		669.7	119.0	272.8	56.6	1,118.1
2008_Q3		2,447.1	118.5	272.8	86.8	2,925.3
2008_Q4		2,496.3	234.0	261.4	187.2	3,178.9
2009_Q1		1,021.8	162.8	329.3	112.4	1,626.3
2009_Q2		875.4	143.3	326.6	205.1	1,550.5
2009_Q3		3,300.6	142.6	329.1	313.7	4,086.0
2009_Q4		3,227.5	280.4	329.1	243.2	4,080.1
2010_Q1		1,470.6	196.9	382.4	374.4	2,424.4
2010_Q2		1,019.1	173.4	397.9	264.0	1,854.3
2010_Q3		3,444.6	171.5	412.4	262.2	4,290.7
2010_Q4		3,487.2	331.3	421.5	100.3	4,340.3
2011_Q1		1,442.0	228.6	402.0	232.6	2,305.3
2011_Q2		1,068.0	199.4	403.7	153.3	1,824.5
2011_Q3		3,909.5	196.6	385.7	213.4	4,705.2
2011_Q4		4,230.4	379.2	357.8	352.5	5,319.8
2012_Q1		1,746.5	262.9	446.9	277.0	2,733.3
2012_Q2		1,344.9	231.0	467.9	281.1	2,324.8
2012_Q3		4,770.2	228.5	479.0	279.3	5,757.1
2012_Q4		4,663.0	439.6	485.8	264.5	5,852.9
2013_Q1		2,024.2	289.1	529.4	284.0	3,126.7
2013_Q2		3,090.8	246.6	495.2	334.7	4,167.2
2013_Q3		5,184.9	238.4	489.4	339.8	6,252.6
2013_Q4		5,441.7	448.8	504.7	290.3	6,685.5
2014_Q1		2,579.0	309.2	594.5	336.9	3,819.6
2014_Q2		2,002.1	267.9	631.3	308.4	3,209.6
2014_Q3		6,839.0	259.7	655.4	329.8	8,084.0
2014_Q4		6,723.9	481.0	656.1	303.9	8,164.9
2015_Q1*		2,433.1	344.2	718.1	336.0	3,831.4
2015_Q2*		2,437.7	302.0	738.3	343.2	3,821.2
2015_Q3*		7,705.6	295.3	737.9	379.1	9,117.9
2015_Q4*		7,626.5	546.4	733.2	356.8	9,262.9
2016_Q1**		2,758.4	397.5	837.5	352.1	4,345.5

*Revised

**Provisional

Appendix 3- Industry: Value Added by Activity at Current Prices

Year Quarter	Value Added (GHc Million)					
	Mining and Quarrying	Manufacturing	Electricity	Water & Sewerage	Construction	Total Value Added
2008_Q1	163.0	523.9	41.2	64.8	658.5	1,451.5
2008_Q2	181.0	553.6	39.2	56.6	601.6	1,432.0
2008_Q3	180.1	568.7	34.3	53.2	595.3	1,431.6
2008_Q4	169.1	630.5	40.4	54.3	645.1	1,539.4
2009_Q1	181.7	650.2	41.0	57.1	731.3	1,661.3
2009_Q2	186.6	615.6	41.8	56.6	796.1	1,696.7
2009_Q3	186.6	611.1	38.3	63.0	818.3	1,717.4
2009_Q4	185.1	601.5	45.8	69.7	798.3	1,700.3
2010_Q1	183.4	827.8	49.2	74.1	966.6	2,101.1
2010_Q2	226.9	654.9	63.0	86.1	921.9	1,952.8
2010_Q3	263.9	626.6	78.1	101.7	902.5	1,972.9
2010_Q4	338.5	832.1	75.6	106.4	915.0	2,267.6
2011_Q1	787.3	818.2	76.5	109.5	1,213.0	3,004.6
2011_Q2	1,138.7	975.3	74.3	116.2	1,243.3	3,547.8
2011_Q3	1,365.9	936.3	64.6	118.6	1,269.6	3,755.0
2011_Q4	1,398.0	1,112.6	64.3	123.1	1,269.0	3,966.9
2012_Q1	1,527.7	1,038.1	81.1	124.3	1,995.5	4,766.6
2012_Q2	1,480.6	1,106.7	81.8	128.5	2,085.0	4,882.7
2012_Q3	1,833.9	1,095.1	78.5	129.7	2,139.4	5,276.5
2012_Q4	2,118.4	1,023.4	91.0	128.8	2,150.5	5,512.2
2013_Q1	2,441.3	1,105.6	93.5	126.5	2,668.9	6,435.8
2013_Q2	2,160.4	1,178.4	95.0	130.8	2,663.7	6,228.4
2013_Q3	1,872.7	1,185.6	94.8	131.7	2,709.9	5,994.6
2013_Q4	2,028.6	1,330.8	110.1	179.2	2,805.2	6,454.0
2014_Q1	2,169.4	1,158.1	120.3	158.0	3,474.5	7,080.4
2014_Q2	2,367.3	1,362.4	118.1	144.4	3,363.5	7,355.7
2014_Q3	2,046.8	1,450.3	104.2	139.3	3,443.7	7,184.3
2014_Q4	2,056.5	1,371.0	100.3	134.2	3,484.3	7,146.3
2015_Q1*	2,159.6	1,842.7	138.1	216.5	4,552.8	8,909.7
2015_Q2*	2,290.9	1,525.4	142.9	222.9	4,382.3	8,564.5
2015_Q3*	1,640.7	1,406.2	102.1	179.3	4,095.9	7,424.1
2015_Q4*	1,969.9	1,421.6	120.9	180.3	3,951.0	7,643.7
2016_Q1**	1,987.4	2,296.3	249.5	323.3	5,011.5	9,868.0

*Revised

**Provisional

Appendix 4 - Services: Value Added by Activity at Current Prices												
Year	Quarter	Value Added (GHc Million)										
		Trade; Repair of Vehicles, Household Goods	Hotels & Restaurants	Transport & Storage	Information & Communication	Financial & Insurance Activities	Business, Real Estate & other Services Activities	Public Administration & Defence; Social Security	Education	Health	Community, Social and Other Personal Service Activities	Total Value Added
2008_Q1		377.3	410.3	871.0	157.5	253.2	207.4	327.7	246.2	66.4	249.2	3,166.1
2008_Q2		430.8	369.6	759.0	154.8	144.4	289.1	427.1	253.7	54.3	241.3	3,124.1
2008_Q3		461.7	372.9	859.5	157.9	391.6	355.7	557.7	319.6	163.3	262.7	3,902.7
2008_Q4		440.5	562.8	773.1	151.3	299.5	332.9	486.6	312.3	96.8	286.0	3,741.8
2009_Q1		470.6	556.0	1,636.7	148.5	303.2	349.9	413.1	282.7	59.3	217.4	4,437.5
2009_Q2		497.7	569.4	1,287.4	156.2	339.4	362.5	676.6	381.1	134.1	516.6	4,920.9
2009_Q3		557.8	521.3	570.4	163.4	274.3	401.2	561.5	363.0	97.8	447.2	3,957.8
2009_Q4		582.9	548.9	263.1	188.4	630.4	348.5	827.5	478.9	222.0	136.6	4,227.3
2010_Q1		719.3	691.0	913.3	211.3	770.1	560.2	690.4	422.7	134.5	1,057.9	6,170.6
2010_Q2		744.3	553.7	1,121.3	192.8	171.2	576.4	773.5	471.4	175.3	85.0	4,865.0
2010_Q3		646.6	800.4	1,335.9	207.4	513.0	402.3	811.3	487.7	190.6	-9.1	5,386.3
2010_Q4		590.8	547.7	1,208.0	219.6	785.6	405.9	748.3	495.0	173.2	587.7	5,761.8
2011_Q1		875.5	688.3	2,109.0	240.8	602.0	619.2	919.0	637.8	284.9	375.3	7,351.8
2011_Q2		906.2	726.3	1,548.1	251.9	641.9	482.0	1,296.4	800.7	322.5	465.7	7,441.6
2011_Q3		707.6	790.8	1,316.0	266.9	545.9	659.1	634.4	353.8	42.2	660.6	5,977.3
2011_Q4		793.1	802.0	1,023.7	229.4	676.1	830.4	1,047.0	514.3	78.9	657.1	6,652.0
2012_Q1		867.7	885.6	1,570.3	330.4	663.1	795.1	790.3	989.0	123.0	658.0	7,672.5
2012_Q2		1,216.0	905.8	2,062.5	374.7	761.7	893.0	967.4	785.8	209.7	853.9	9,030.4
2012_Q3		957.1	829.4	1,951.5	402.7	881.8	868.0	882.4	531.0	63.4	628.3	7,995.6
2012_Q4		1,019.1	896.6	2,456.4	482.5	1,145.2	945.6	2,311.8	795.4	525.2	560.9	11,138.7
2013_Q1		1,179.0	1,247.1	1,527.0	374.7	1,368.1	906.0	1,241.7	673.3	195.8	833.0	9,545.8
2013_Q2		1,386.5	1,310.9	3,509.0	414.9	1,305.4	793.5	1,373.7	771.2	227.0	704.5	11,796.6
2013_Q3		1,393.5	1,336.3	2,527.7	379.1	1,515.4	859.4	926.3	852.9	259.4	835.9	10,885.9
2013_Q4		1,263.0	1,361.9	2,585.3	402.8	1,695.9	926.1	1,763.6	950.3	273.6	1,513.1	12,735.6
2014_Q1		1,088.7	1,417.5	3,481.6	487.4	2,047.3	885.2	1,395.8	939.9	246.6	1,608.0	13,598.1
2014_Q2		1,681.2	1,728.1	3,436.4	519.0	2,129.2	1,131.9	1,494.5	975.5	278.5	1,032.1	14,406.5
2014_Q3		1,885.6	1,642.6	3,022.9	686.8	2,789.1	1,024.9	1,411.5	971.0	265.5	891.8	14,591.7
2014_Q4		1,429.4	1,310.9	3,410.3	747.9	2,149.5	851.9	1,541.6	996.6	300.2	913.6	13,651.9
2015_Q1*		2,007.0	2,031.1	4,347.2	653.5	2,381.9	1,359.1	1,560.6	1,132.6	304.2	1,310.7	17,088.1
2015_Q2*		2,302.5	1,963.5	4,560.0	673.7	2,586.8	1,433.1	1,868.0	1,208.5	372.9	1,397.2	18,366.2
2015_Q3*		1,991.1	2,005.1	4,029.7	841.4	2,521.2	1,186.1	1,833.7	1,213.9	361.9	1,200.6	17,184.7
2015_Q4*		1,950.4	1,599.3	4,097.1	943.4	2,412.1	1,157.6	2,085.6	1,334.0	419.9	1,161.2	17,160.8
2016_Q4**		2,556.5	2,531.3	5,417.3	914.6	2,959.0	1,761.1	1,877.4	1,389.3	379.1	1,624.5	21,409.9

*Revised

**Provisional

Appendix 5 - Quarterly Gross Domestic Product at constant 2006 Prices by Economic Activity

Year Quarter	Value Added (GHc Million)					Net indirect Taxes	Total (GDP in purchaser's value)	Year-on-Year change (%)			
	Agriculture	Industry	Services	*** FISIM	Total Value Added (GDP @ basic prices)			Agriculture	Industry	Services	Total (GDP in purchaser's value)
2008_Q1	958.4	1,130.8	2,567.3	121.2	4,535.3	323.9	4,859.2	7.3	14.1	9.6	8.4
2008_Q2	778.7	1,125.1	2,413.6	80.4	4,236.9	338.7	4,575.6	10.9	10.4	4.2	7.2
2008_Q3	1,943.3	1,114.2	2,625.4	174.7	5,508.3	401.5	5,909.7	8.2	14.7	15.1	12.7
2008_Q4	2,035.6	1,151.8	2,499.6	146.0	5,541.0	418.4	5,959.4	5.5	21.4	3.3	7.9
2009_Q1	1,001.7	1,173.3	2,653.8	153.5	4,675.3	273.2	4,948.5	4.5	3.8	3.4	1.8
2009_Q2	791.5	1,184.3	2,657.1	173.5	4,459.4	285.9	4,745.3	1.6	5.3	10.1	3.7
2009_Q3	2,074.6	1,170.9	2,636.5	130.1	5,752.0	344.7	6,096.7	6.8	5.1	0.4	3.2
2009_Q4	2,261.3	1,196.2	2,719.4	281.6	5,895.4	650.6	6,545.9	11.1	3.9	8.8	9.8
2010_Q1	1,013.9	1,275.5	3,064.8	208.1	5,146.2	264.7	5,410.9	1.2	8.7	15.5	9.3
2010_Q2	887.4	1,229.4	2,771.0	187.3	4,700.4	398.2	5,098.6	12.1	3.8	4.3	7.4
2010_Q3	2,273.3	1,229.2	2,946.7	199.8	6,249.3	522.3	6,771.6	9.6	5.0	11.8	11.1
2010_Q4	2,278.0	1,318.9	2,931.9	201.5	6,327.3	491.7	6,819.0	0.7	10.3	7.8	4.2
2011_Q1	1,012.7	1,519.9	3,241.4	192.6	5,581.3	507.4	6,088.7	-0.1	19.2	5.8	12.5
2011_Q2	903.3	1,752.1	3,105.8	247.1	5,514.0	475.2	5,989.2	1.8	42.5	12.1	17.5
2011_Q3	2,286.8	1,898.2	3,198.6	222.1	7,161.4	443.7	7,605.1	0.6	54.4	8.6	12.3
2011_Q4	2,304.4	1,987.0	3,266.9	241.7	7,316.5	486.3	7,802.8	1.2	50.7	11.4	14.4
2012_Q1	1,005.9	1,956.7	4,384.9	238.2	7,109.3	502.2	7,611.5	-0.7	28.7	35.3	25.0
2012_Q2	857.0	1,929.3	3,719.6	227.0	6,279.0	525.2	6,804.2	-5.1	10.1	19.8	13.6
2012_Q3	2,262.7	2,028.3	3,080.1	247.6	7,123.5	496.8	7,620.3	-1.1	6.9	-3.7	0.2
2012_Q4	2,531.3	2,033.1	3,176.2	302.5	7,438.0	566.2	8,004.2	9.8	2.3	-2.8	2.6
2013_Q1	1,247.0	2,117.9	4,102.0	305.8	7,161.1	517.2	7,678.3	24.0	8.2	-6.5	0.9
2013_Q2	1,292.7	2,249.6	3,906.2	296.1	7,152.4	555.6	7,708.0	50.8	16.6	5.0	13.3
2013_Q3	1,978.5	2,063.6	3,862.7	396.3	7,508.5	552.3	8,060.8	-12.6	1.7	25.4	5.8
2013_Q4	2,516.7	2,044.2	3,927.2	316.4	8,171.7	618.1	8,789.8	-0.6	0.5	23.6	9.8
2014_Q1	1,146.0	2,080.8	3,877.1	301.9	6,801.9	584.8	7,386.7	-8.1	-1.8	-5.5	-3.8
2014_Q2	992.8	2,260.4	4,299.8	395.5	7,157.6	565.7	7,723.3	-23.2	0.5	10.1	0.2
2014_Q3	2,532.7	2,158.7	4,212.6	361.6	8,542.4	607.0	9,149.4	28.0	4.6	9.1	13.5
2014_Q4	2,690.5	2,041.9	4,288.5	334.9	8,686.0	576.4	9,262.4	6.9	-0.1	9.2	5.4
2015_Q1*	1,178.1	2,123.6	4,135.6	330.2	7,107.0	611.0	7,718.0	2.8	2.1	6.7	4.5
2015_Q2*	1,034.2	2,210.3	4,585.8	354.6	7,475.7	590.9	8,066.6	4.2	-2.2	6.7	4.4
2015_Q3*	2,594.1	2,120.2	4,388.6	330.9	8,772.1	623.4	9,395.4	2.4	-1.8	4.2	2.7
2015_Q4*	2,735.8	2,189.5	4,512.5	393.6	9,044.2	600.2	9,644.4	1.7	7.2	5.2	4.1
2016_Q1**	1,211.3	2,100.8	4,498.9	356.9	7,454.1	640.9	8,095.0	2.8	-1.1	8.8	4.9

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*** Financial Intermediation Services Indirectly Measured (FISIM) is a negative item

Appendix 6 - Deflators by Economic Activity

Year Quarter	Deflators (%)				Quarter-on-Quarter Change (%) in Deflators				Year-on-Year change (%) in Deflators			
	Agriculture	Industry	Services	Total	Agriculture	Industry	Services	Total	Agriculture	Industry	Services	Total
2008_Q1	172.4	128.4	123.3	141.4	48.5	5.6	-12.8	11.9	58.8	16.9	26.2	34.0
2008_Q2	143.6	127.3	129.4	133.4	-16.7	-0.8	5.0	-5.6	11.7	14.2	18.3	14.7
2008_Q3	150.5	128.5	148.6	142.6	4.8	0.9	14.8	6.8	22.6	9.7	26.8	19.7
2008_Q4	156.2	133.7	149.7	146.5	3.7	4.0	0.7	2.8	34.5	10.0	5.8	16.7
2009_Q1	162.4	141.6	167.2	157.1	4.0	5.9	11.7	7.2	-5.8	10.3	35.6	13.3
2009_Q2	195.9	143.3	185.2	174.8	20.7	1.2	10.8	11.3	36.4	12.6	43.1	30.7
2009_Q3	197.0	146.7	150.1	164.6	0.5	2.4	-18.9	-5.8	30.8	14.1	1.0	15.3
2009_Q4	180.4	142.1	155.4	159.3	-8.4	-3.1	3.6	-3.2	15.5	6.4	3.8	8.6
2010_Q1	239.1	164.7	201.3	201.7	32.5	15.9	29.5	26.6	47.3	16.3	20.4	28.0
2010_Q2	209.0	158.9	175.6	181.1	-12.6	-3.6	-12.8	-10.2	6.7	10.9	-5.2	4.1
2010_Q3	188.7	160.5	182.8	177.3	-9.7	1.0	4.1	-2.1	-4.2	9.4	21.8	9.0
2010_Q4	190.5	171.9	196.5	186.3	0.9	7.1	7.5	5.1	5.6	21.0	26.4	17.7
2011_Q1	227.6	197.7	226.8	217.4	19.5	15.0	15.4	16.7	-4.8	20.0	12.7	9.3
2011_Q2	202.0	202.5	239.6	214.7	-11.3	2.4	5.6	-1.2	-3.3	27.5	36.5	20.2
2011_Q3	205.8	197.8	186.9	196.8	1.9	-2.3	-22.0	-8.3	9.0	23.3	2.2	11.5
2011_Q4	230.9	199.6	203.6	211.4	12.2	0.9	9.0	7.4	21.2	16.1	3.6	13.6
2012_Q1	271.7	243.6	175.0	230.1	17.7	22.0	-14.1	8.9	19.4	23.2	-22.9	6.6
2012_Q2	271.3	253.1	242.8	255.7	-0.2	3.9	38.8	11.1	34.3	25.0	1.3	20.2
2012_Q3	254.4	260.1	259.6	258.1	-6.2	2.8	6.9	0.9	23.7	31.5	38.9	31.4
2012_Q4	231.2	271.1	350.7	284.3	-9.1	4.2	35.1	10.2	0.2	35.8	72.2	36.1
2013_Q1	250.7	303.9	232.7	262.4	8.4	12.1	-33.6	-7.7	-7.7	24.7	33.0	16.7
2013_Q2	322.4	276.9	302.0	300.4	28.6	-8.9	29.8	14.5	18.8	9.4	24.4	17.5
2013_Q3	316.0	290.5	281.8	296.1	-2.0	4.9	-6.7	-1.4	24.2	11.7	8.6	14.8
2013_Q4	265.7	315.7	324.3	301.9	-15.9	8.7	15.1	1.9	14.9	16.4	-7.5	7.9
2014_Q1	333.3	340.3	350.7	341.4	25.5	7.8	8.2	13.1	32.9	12.0	50.7	31.9
2014_Q2	323.3	325.4	335.1	327.9	-3.0	-4.4	-4.5	-4.0	0.3	17.5	10.9	9.6
2014_Q3	319.2	332.8	346.4	332.8	-1.3	2.3	3.4	1.5	1.0	14.6	22.9	12.8
2014_Q4	303.5	350.0	318.3	323.9	-4.9	5.2	-8.1	-2.7	14.2	10.9	-1.8	7.8
2015_Q1*	325.2	419.6	413.2	386.0	7.2	19.9	29.8	19.2	-2.4	23.3	17.8	12.9
2015_Q2*	369.5	387.5	400.5	385.8	13.6	-7.6	-3.1	0.0	14.3	19.1	19.5	17.6
2015_Q3*	351.5	350.2	391.6	364.4	-4.9	-9.6	-2.2	-5.6	10.1	5.2	13.0	9.5
2015_Q4*	338.6	349.1	380.3	356.0	-3.7	-0.3	-2.9	-2.3	11.6	-0.3	19.5	10.3
2016_Q1**	358.8	469.7	475.9	434.8	6.0	34.6	25.1	22.1	10.3	12.0	15.2	12.5

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Appendix 7 - Agriculture: Value Added by Activity

Year Quarter	Value Added (GHc Million)				
	Crops & Cocoa	Livestock	Forestry & Logging	Fishing	Total Value Added
2008_Q1	608.6	130.4	127.9	91.5	958.4
2008_Q2	375.0	100.7	185.7	117.2	778.7
2008_Q3	1,514.4	88.9	186.1	154.0	1,943.3
2008_Q4	1,566.5	161.1	182.7	125.3	2,035.6
2009_Q1	642.2	124.4	125.4	109.7	1,001.7
2009_Q2	395.5	103.0	186.9	106.2	791.5
2009_Q3	1,666.6	93.6	188.7	125.7	2,074.6
2009_Q4	1,775.1	181.1	186.5	118.6	2,261.3
2010_Q1	633.6	122.2	174.1	83.9	1,013.9
2010_Q2	471.1	103.6	192.6	120.0	887.4
2010_Q3	1,795.3	97.1	204.8	176.1	2,273.3
2010_Q4	1,803.3	202.6	185.0	87.0	2,278.0
2011_Q1	638.6	135.7	164.8	73.5	1,012.7
2011_Q2	504.4	137.7	165.8	95.3	903.3
2011_Q3	1,851.6	131.0	161.7	142.3	2,286.8
2011_Q4	1,882.9	147.8	158.3	115.4	2,304.4
2012_Q1	629.4	125.3	138.4	112.8	1,005.9
2012_Q2	505.0	75.1	166.0	110.9	857.0
2012_Q3	1,885.4	67.5	178.3	131.5	2,262.7
2012_Q4	1,895.6	313.2	212.2	110.3	2,531.3
2013_Q1	807.9	128.1	200.3	110.7	1,247.0
2013_Q2	841.0	126.9	200.3	124.5	1,292.7
2013_Q3	1,540.9	120.4	174.2	143.1	1,978.5
2013_Q4	2,014.6	236.5	152.0	113.5	2,516.7
2014_Q1	687.9	140.3	195.7	122.0	1,146.0
2014_Q2	558.0	129.0	186.2	119.6	992.8
2014_Q3	2,115.0	130.0	169.5	118.2	2,532.7
2014_Q4	2,138.1	245.0	202.8	104.6	2,690.5
2015_Q1*	706.2	145.4	200.8	125.7	1,178.1
2015_Q2*	577.1	134.8	196.4	125.9	1,034.2
2015_Q3*	2,166.8	137.3	180.0	110.1	2,594.1
2015_Q4*	2,161.0	260.9	205.7	108.3	2,735.8
2016_Q1**	726.9	155.6	208.0	120.7	1,211.3

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Appendix 8 - Agriculture: Value Added by Activity (Quarter-on-Quarter Change)

Year Quarter	Quarter-on-Quarter Change (%)				
	Crops & Cocoa	Livestock	Forestry & Logging	Fishing	Total Value Added
2008_Q1	-58.1	-25.0	-33.6	-17.3	-50.3
2008_Q2	-38.4	-22.8	45.1	28.2	-18.8
2008_Q3	303.8	-11.8	0.2	31.4	149.6
2008_Q4	3.4	81.2	-1.8	-18.6	4.7
2009_Q1	-59.0	-22.8	-31.4	-12.5	-50.8
2009_Q2	-38.4	-17.2	49.1	-3.2	-21.0
2009_Q3	321.4	-9.1	1.0	18.4	162.1
2009_Q4	6.5	93.6	-1.1	-5.7	9.0
2010_Q1	-64.3	-32.5	-6.6	-29.2	-55.2
2010_Q2	-25.6	-15.3	10.6	43.0	-12.5
2010_Q3	281.1	-6.3	6.3	46.7	156.2
2010_Q4	0.4	108.7	-9.6	-50.6	0.2
2011_Q1	-64.6	-33.0	-10.9	-15.5	-55.5
2011_Q2	-21.0	1.5	0.6	29.6	-10.8
2011_Q3	267.1	-4.8	-2.5	49.3	153.2
2011_Q4	1.7	12.8	-2.2	-19.0	0.8
2012_Q1	-66.6	-15.2	-12.6	-2.2	-56.3
2012_Q2	-19.8	-40.1	20.0	-1.7	-14.8
2012_Q3	273.4	-10.1	7.4	18.6	164.0
2012_Q4	0.5	363.9	19.0	-16.2	11.9
2013_Q1	-57.4	-59.1	-5.6	0.4	-50.7
2013_Q2	4.1	-0.9	0.0	12.5	3.7
2013_Q3	83.2	-5.2	-13.0	14.9	53.0
2013_Q4	30.7	96.5	-12.7	-20.7	27.2
2014_Q1	-65.9	-40.7	28.7	7.5	-54.5
2014_Q2	-18.9	-8.0	-4.9	-2.0	-13.4
2014_Q3	279.0	0.8	-9.0	-1.2	155.1
2014_Q4	1.1	88.4	19.7	-11.5	6.2
2015_Q1*	-67.0	-40.7	-1.0	20.1	-56.2
2015_Q2*	-18.3	-7.3	-2.2	0.2	-12.2
2015_Q3*	275.5	1.9	-8.3	-12.6	150.8
2015_Q4*	-0.3	90.1	14.3	-1.6	5.5
2016_Q1**	-66.4	-40.3	1.1	11.5	-55.7

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Appendix 8 - Agriculture: Value Added by Activity (Quarter-on-Quarter Change)

Year	Quarter	Quarter-on-Quarter Change (%)			
		Crops & Cocoa	Livestock	Forestry & Logging	Fishing
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Appendix 9 - Agriculture: Value Added by Activity (Year-on-Year Change)

Year Quarter	Year-on-Year Change (%)				
	Crops & Cocoa	Livestock	Forestry & Logging	Fishing	Total Value Added
2008_Q1	5.7	20.7	0.2	11.2	7.3
2008_Q2	12.4	10.6	-3.8	38.6	10.9
2008_Q3	9.7	4.8	-3.3	11.4	8.2
2008_Q4	7.8	-7.4	-5.2	13.3	5.5
2009_Q1	5.5	-4.6	-2.0	19.9	4.5
2009_Q2	5.5	2.2	0.6	-9.4	1.6
2009_Q3	10.1	5.3	1.4	-18.3	6.8
2009_Q4	13.3	12.5	2.1	-5.4	11.1
2010_Q1	-1.3	-1.8	38.9	-23.5	1.2
2010_Q2	19.1	0.6	3.1	13.0	12.1
2010_Q3	7.7	3.7	8.6	40.0	9.6
2010_Q4	1.6	11.9	-0.8	-26.6	0.7
2011_Q1	0.8	11.0	-5.3	-12.4	-0.1
2011_Q2	7.1	33.0	-13.9	-20.6	1.8
2011_Q3	3.1	35.0	-21.0	-19.2	0.6
2011_Q4	4.4	-27.1	-14.5	32.6	1.2
2012_Q1	-1.4	-7.6	-16.0	53.4	-0.7
2012_Q2	0.1	-45.5	0.1	16.3	-5.1
2012_Q3	1.8	-48.5	10.2	-7.6	-1.1
2012_Q4	0.7	111.9	34.1	-4.4	9.8
2013_Q1	28.4	2.2	44.8	-1.9	24.0
2013_Q2	66.6	69.0	20.6	12.3	50.8
2013_Q3	-18.3	78.3	-2.3	8.8	-12.6
2013_Q4	6.3	-24.5	-28.3	3.0	-0.6
2014_Q1	-14.9	9.5	-2.3	10.3	-8.1
2014_Q2	-33.6	1.6	-7.0	-4.0	-23.2
2014_Q3	37.3	8.0	-2.7	-17.4	28.0
2014_Q4	6.1	3.6	33.4	-7.8	6.9
2015_Q1*	2.7	3.6	2.6	3.0	2.8
2015_Q2*	3.4	4.5	5.5	5.3	4.2
2015_Q3*	2.4	5.6	6.2	-6.9	2.4
2015_Q4*	1.1	6.5	1.4	3.5	1.7
2016_Q1**	2.9	7.1	3.6	-4.0	2.8

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Appendix 10 - Industry: Value Added by Activity

Year Quarter	Value Added (Ghc Million)					
	Mining and Quarrying	Manufacturing	Electricity	Water & Sewerage	Construction	Total Value Added
2008_Q1	129.8	475.6	33.4	57.9	433.9	1,130.8
2008_Q2	138.3	448.2	35.3	55.8	447.5	1,125.1
2008_Q3	138.3	456.2	32.9	56.1	430.7	1,114.2
2008_Q4	137.9	487.9	39.5	59.1	427.4	1,151.8
2009_Q1	137.0	453.3	38.5	61.4	483.2	1,173.3
2009_Q2	146.4	460.4	38.1	58.8	480.5	1,184.3
2009_Q3	149.8	451.3	34.4	62.1	473.4	1,170.9
2009_Q4	147.9	478.6	40.7	64.1	464.8	1,196.2
2010_Q1	121.7	549.8	43.9	62.7	497.5	1,275.5
2010_Q2	138.0	474.1	45.5	64.7	507.0	1,229.4
2010_Q3	187.7	464.1	40.9	66.1	470.4	1,229.2
2010_Q4	242.9	495.7	39.9	65.9	474.5	1,318.9
2011_Q1	372.0	461.3	41.4	65.4	579.8	1,519.9
2011_Q2	533.1	585.2	42.5	67.9	523.5	1,752.1
2011_Q3	605.6	581.0	40.1	67.0	604.5	1,898.2
2011_Q4	604.9	693.4	44.9	66.7	577.0	1,987.0
2012_Q1	583.5	603.6	47.1	66.9	655.6	1,956.7
2012_Q2	565.2	606.7	46.8	67.9	642.8	1,929.3
2012_Q3	633.0	582.9	44.0	69.1	699.3	2,028.3
2012_Q4	680.2	573.1	49.8	69.0	661.1	2,033.1
2013_Q1	704.3	587.4	52.7	64.3	709.2	2,117.9
2013_Q2	728.4	634.9	53.8	66.5	766.1	2,249.6
2013_Q3	630.4	593.7	53.8	69.3	716.5	2,063.6
2013_Q4	683.9	538.6	58.0	68.5	695.3	2,044.2
2014_Q1*	681.3	542.1	50.4	67.8	739.2	2,080.8
2014_Q2*	778.3	594.2	61.3	70.6	756.0	2,260.4
2014_Q3*	706.9	603.5	54.6	66.7	727.0	2,158.7
2014_Q4*	667.4	595.5	52.6	60.5	665.8	2,041.9
2015_Q1*	680.4	556.1	46.6	80.8	759.7	2,123.6
2015_Q2*	712.2	584.5	49.3	85.7	778.6	2,210.3
2015_Q3*	628.9	625.8	47.1	79.4	739.0	2,120.2
2015_Q4*	731.5	620.7	53.6	76.8	706.9	2,189.5
2016_Q1**	587.5	603.8	58.0	89.8	761.6	2,100.8

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Appendix 11 - Industry: Value Added by Activity (Quarter-on-Quarter Change)

Year Quarter	Quarter-on-Quarter Change (%)					
	Mining and Quarrying	Manufacturing	Electricity	Water & Sewerage	Construction	Total Value Added
2008_Q1	0.0	-1.8	8.6	-1.9	77.5	19.2
2008_Q2	6.5	-5.8	5.7	-3.8	3.1	-0.5
2008_Q3	0.0	1.8	-6.7	0.6	-3.8	-1.0
2008_Q4	-0.3	7.0	19.8	5.4	-0.8	3.4
2009_Q1	-0.7	-7.1	-2.4	3.8	13.1	1.9
2009_Q2	6.9	1.6	-0.9	-4.1	-0.6	0.9
2009_Q3	2.3	-2.0	-9.9	5.5	-1.5	-1.1
2009_Q4	-1.3	6.1	18.5	3.3	-1.8	2.2
2010_Q1	-17.8	14.9	7.9	-2.3	7.0	6.6
2010_Q2	13.4	-13.8	3.6	3.3	1.9	-3.6
2010_Q3	36.0	-2.1	-10.2	2.2	-7.2	0.0
2010_Q4	29.4	6.8	-2.4	-0.4	0.9	7.3
2011_Q1	53.2	-6.9	3.7	-0.7	22.2	15.2
2011_Q2	43.3	26.9	2.6	3.7	-9.7	15.3
2011_Q3	13.6	-0.7	-5.7	-1.3	15.5	8.3
2011_Q4	-0.1	19.4	12.2	-0.4	-4.6	4.7
2012_Q1	-3.5	-13.0	4.8	0.3	13.6	-1.5
2012_Q2	-3.1	0.5	-0.7	1.5	-2.0	-1.4
2012_Q3	12.0	-3.9	-6.0	1.8	8.8	5.1
2012_Q4	7.5	-1.7	13.3	-0.2	-5.5	0.2
2013_Q1	3.5	2.5	5.9	-6.8	7.3	4.2
2013_Q2	3.4	8.1	2.0	3.5	8.0	6.2
2013_Q3	-13.5	-6.5	-0.1	4.1	-6.5	-8.3
2013_Q4	8.5	-9.3	7.9	-1.2	-3.0	-0.9
2014_Q1	-0.4	0.6	-13.1	-1.0	6.3	1.8
2014_Q2	14.2	9.6	21.6	4.1	2.3	8.6
2014_Q3	-9.2	1.6	-10.8	-5.5	-3.8	-4.5
2014_Q4	-5.6	-1.3	-3.7	-9.3	-8.4	-5.4
2015_Q1*	1.9	-6.6	-11.5	33.5	14.1	4.0
2015_Q2*	4.7	5.1	5.8	6.1	2.5	4.1
2015_Q3*	-11.7	7.1	-4.5	-7.3	-5.1	-4.1
2015_Q4*	16.3	-0.8	13.9	-3.3	-4.3	3.3
2016_Q1**	-19.7	-2.7	8.2	16.9	7.7	-4.1

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Appendix 12 - Industry: Value Added by Activity (Year-on-Year Change)

Year Quarter	Year-on-Year Change (%)					
	Mining and Quarrying	Manufacturing	Electricity	Water & Sewerage	Construction	Total Value Added
2008_Q1	-4.4	8.5	-4.0	2.6	33.3	14.1
2008_Q2	6.6	-0.8	29.3	0.6	26.0	10.4
2008_Q3	1.5	6.8	30.0	0.2	32.0	14.7
2008_Q4	6.2	0.8	28.3	0.1	74.8	21.4
2009_Q1	5.5	-4.7	15.2	5.9	11.3	3.8
2009_Q2	5.9	2.7	8.1	5.5	7.4	5.3
2009_Q3	8.3	-1.1	4.3	10.7	9.9	5.1
2009_Q4	7.3	-1.9	3.1	8.5	8.8	3.9
2010_Q1	-11.2	21.3	14.1	2.1	3.0	8.7
2010_Q2	-5.8	3.0	19.4	10.0	5.5	3.8
2010_Q3	25.3	2.8	19.1	6.5	-0.6	5.0
2010_Q4	64.2	3.6	-1.9	2.7	2.1	10.3
2011_Q1	205.7	-16.1	-5.8	4.4	16.5	19.2
2011_Q2	286.3	23.4	-6.6	4.8	3.2	42.5
2011_Q3	222.7	25.2	-2.1	1.3	28.5	54.4
2011_Q4	149.1	39.9	12.6	1.3	21.6	50.7
2012_Q1	56.9	30.8	13.7	2.3	13.1	28.7
2012_Q2	6.0	3.7	10.1	0.1	22.8	10.1
2012_Q3	4.5	0.3	9.8	3.1	15.7	6.9
2012_Q4	12.4	-17.4	10.8	3.4	14.6	2.3
2013_Q1	20.7	-2.7	12.0	-3.9	8.2	8.2
2013_Q2	28.9	4.6	15.0	-2.0	19.2	16.6
2013_Q3	-0.4	1.8	22.2	0.3	2.5	1.7
2013_Q4	0.6	-6.0	16.5	-0.8	5.2	0.5
2014_Q1*	-3.3	-7.7	-4.4	5.5	4.2	-1.8
2014_Q2*	6.9	-6.4	14.0	6.1	-1.3	0.5
2014_Q3*	12.1	1.7	1.7	-3.7	1.5	4.6
2014_Q4*	-2.4	10.6	-9.3	-11.6	-4.2	-0.1
2015_Q1*	-0.1	2.6	-7.6	19.1	2.8	2.1
2015_Q2*	-8.5	-1.6	-19.6	21.4	3.0	-2.2
2015_Q3*	-11.0	3.7	-13.8	19.0	1.7	-1.8
2015_Q4*	9.6	4.2	2.0	26.9	6.2	7.2
2016_Q1**	-13.7	8.6	24.6	11.1	0.3	-1.1

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Appendix 13-Service: Value Added by Activity

Year Quarter	Value Added (GHc Million)										
	Trade; Repair of Vehicles, Household Goods	Hotels & Restaurants	Transport & Storage	Information & Communication	Financial & Insurance Activities	Business, Real Estate & other Services Activities	Public Administration & Defence; Social Security	Education	Health	Community, Social and Other Personal Service Activities	Total Value Added
2008_Q1	312.0	286.7	709.7	145.2	150.1	235.9	256.8	195.2	63.8	211.8	2,567.3
2008_Q2	325.3	258.6	630.6	146.1	90.6	230.5	265.7	201.4	64.1	200.7	2,413.6
2008_Q3	340.4	231.4	700.2	153.8	213.1	245.6	274.4	207.7	69.9	189.0	2,625.4
2008_Q4	339.2	223.0	631.4	155.8	166.4	231.2	284.8	210.0	73.1	184.8	2,499.6
2009_Q1	341.6	257.1	747.5	148.0	147.3	256.0	292.0	218.7	75.3	170.3	2,653.8
2009_Q2	338.1	248.4	655.1	148.4	156.5	238.8	301.8	228.3	76.8	265.0	2,657.1
2009_Q3	338.6	239.2	708.3	153.4	129.7	224.0	305.9	232.7	78.1	226.7	2,636.5
2009_Q4	369.6	217.3	679.3	174.4	244.4	225.9	308.6	235.2	81.7	183.2	2,719.4
2010_Q1	391.8	268.6	849.9	190.5	189.9	271.9	297.5	230.9	84.0	290.0	3,064.8
2010_Q2	394.6	232.4	711.8	175.1	116.7	278.8	311.0	234.1	85.1	231.3	2,771.0
2010_Q3	400.7	263.9	706.3	194.5	247.6	259.3	319.0	245.5	87.9	222.0	2,946.7
2010_Q4	386.1	223.0	746.3	216.8	237.3	266.1	321.5	252.7	89.9	192.1	2,931.9
2011_Q1	501.2	254.1	841.1	253.5	191.6	348.8	338.2	240.6	91.1	181.1	3,241.4
2011_Q2	425.8	243.9	850.5	243.3	212.6	231.2	335.5	245.0	88.0	230.0	3,105.8
2011_Q3	387.9	241.4	841.6	233.8	182.0	303.1	334.0	252.1	90.3	332.4	3,198.6
2011_Q4	430.8	283.9	812.8	178.4	213.2	344.1	333.7	262.1	94.9	313.3	3,266.9
2012_Q1	440.2	274.2	1,773.3	282.6	219.7	351.8	345.6	266.0	97.1	334.4	4,384.9
2012_Q2	514.2	290.9	994.9	310.1	223.6	381.2	357.8	263.8	100.7	282.6	3,719.6
2012_Q3	463.9	290.6	442.9	319.7	242.8	357.5	355.2	263.2	100.2	244.1	3,080.1
2012_Q4	525.3	226.3	442.4	373.7	288.6	361.5	338.5	273.8	106.1	239.9	3,176.2
2013_Q1	591.5	327.5	997.5	370.1	289.7	345.2	386.2	280.4	96.8	417.2	4,102.0
2013_Q2	549.4	327.1	973.8	348.3	273.5	284.6	391.7	279.1	106.5	372.5	3,906.2
2013_Q3	524.5	338.5	879.6	436.9	304.8	282.8	369.7	281.3	115.7	328.8	3,862.7
2013_Q4	559.3	354.8	784.1	443.4	333.1	285.4	366.8	299.2	116.6	384.5	3,927.2
2014_Q1	492.1	336.6	857.3	491.1	281.9	306.8	356.3	295.3	110.7	349.1	3,877.1
2014_Q2	587.9	346.9	1,001.9	508.6	417.1	268.8	361.5	306.3	110.1	390.7	4,299.8
2014_Q3	592.5	352.3	821.7	571.6	416.7	303.4	361.1	305.1	102.6	385.7	4,212.6
2014_Q4	588.6	295.6	964.7	641.7	359.8	301.0	364.7	314.3	104.6	353.5	4,288.5
2015_Q1*	534.4	347.5	885.4	576.4	306.5	291.6	366.7	321.6	122.4	383.0	4,135.6
2015_Q2*	652.2	350.4	1,014.1	596.4	379.6	333.6	405.9	328.1	127.3	398.3	4,585.8
2015_Q3*	645.8	349.1	872.9	662.7	383.6	328.6	383.9	320.0	120.8	321.1	4,388.6
2015_Q4*	648.1	305.3	981.6	675.0	385.6	316.7	426.9	347.3	123.6	302.5	4,512.5
2016_Q1**	579.3	373.0	953.2	684.9	324.1	319.1	398.9	343.2	130.6	392.6	4,498.9

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Appendix 14- Services: Value Added by Activity (Quarter-on-Quarter Change)

Year Quarter	Quarter-on-Quarter Growth in Value Added (%)										
	Trade; Repair of Vehicles, Household Goods	Hotels & Restaurants	Transport & Storage	Information & Communication	Financial & Insurance Activities	Business, Real Estate & other Services Activities	Public Administration & Defence; Social Security	Education	Health	Community, Social and Other Personal Service Activities	Total Value Added
2008_Q1	-7.9	8.0	10.9	17.1	1.3	-4.4	5.1	4.4	-2.3	33.1	6.1
2008_Q2	4.3	-9.8	-11.1	0.6	-39.7	-2.3	3.4	3.2	0.4	-5.2	-6.0
2008_Q3	4.6	-10.5	11.0	5.3	135.2	6.6	3.3	3.1	9.1	-5.8	8.8
2008_Q4	-0.4	-3.7	-9.8	1.3	-21.9	-5.9	3.8	1.1	4.6	-2.2	-4.8
2009_Q1	0.7	15.3	18.4	-5.0	-11.5	10.7	2.5	4.1	3.0	-7.8	6.2
2009_Q2	-1.0	-3.4	-12.4	0.3	6.2	-6.7	3.3	4.4	2.1	55.6	0.1
2009_Q3	0.2	-3.7	8.1	3.3	-17.1	-6.2	1.4	1.9	1.6	-14.5	-0.8
2009_Q4	9.1	-9.2	-4.1	13.7	88.4	0.8	0.9	1.1	4.7	-19.2	3.1
2010_Q1	6.0	23.6	25.1	9.2	-22.3	20.4	-3.6	-1.9	2.8	58.3	12.7
2010_Q2	0.7	-13.5	-16.2	-8.1	-38.5	2.5	4.5	1.4	1.4	-20.2	-9.6
2010_Q3	1.5	13.6	-0.8	11.1	112.1	-7.0	2.6	4.9	3.3	-4.0	6.3
2010_Q4	-3.6	-15.5	5.7	11.5	-4.2	2.6	0.8	2.9	2.3	-13.5	-0.5
2011_Q1	29.8	14.0	12.7	16.9	-19.2	31.1	5.2	-4.8	1.2	-5.7	10.6
2011_Q2	-15.0	-4.0	1.1	-4.0	10.9	-33.7	-0.8	1.8	-3.4	27.0	-4.2
2011_Q3	-8.9	-1.0	-1.1	-3.9	-14.4	31.1	-0.5	2.9	2.6	44.5	3.0
2011_Q4	11.0	17.6	-3.4	-23.7	17.1	13.5	-0.1	3.9	5.2	-5.8	2.1
2012_Q1	2.2	-3.4	118.2	58.5	3.1	2.2	3.6	1.5	2.3	6.7	34.2
2012_Q2	16.8	6.1	-43.9	9.7	1.7	8.4	3.5	-0.8	3.7	-15.5	-15.2
2012_Q3	-9.8	-0.1	-55.5	3.1	8.6	-6.2	-0.7	-0.2	-0.5	-13.6	-17.2
2012_Q4	13.3	-22.1	-0.1	16.9	18.9	1.1	-4.7	4.0	5.8	-1.7	3.1
2013_Q1	12.6	44.7	125.4	-1.0	0.4	-4.5	14.1	2.4	-8.8	73.9	29.1
2013_Q2	-7.1	-0.1	-2.4	-5.9	-5.6	-17.6	1.4	-0.5	10.0	-10.7	-4.8
2013_Q3	-4.5	3.5	-9.7	25.5	11.5	-0.6	-5.6	0.8	8.7	-11.7	-1.1
2013_Q4	6.6	4.8	-10.9	1.5	9.3	1.0	-0.8	6.4	0.7	16.9	1.7
2014_Q1	-12.0	-5.1	9.3	10.8	-15.4	7.5	-2.9	-1.3	-5.0	-9.2	-1.3
2014_Q2	19.5	3.1	16.9	3.6	47.9	-12.4	1.4	3.7	-0.6	11.9	10.9
2014_Q3	0.8	1.6	-18.0	12.4	-0.1	12.9	-0.1	-0.4	-6.8	-1.3	-2.0
2014_Q4	-0.7	-16.1	17.4	12.3	-13.6	-0.8	1.0	3.0	2.0	-8.3	1.8
2015_Q1*	-9.2	17.5	-8.2	-10.2	-14.8	-3.1	0.5	2.3	17.0	8.3	-3.6
2015_Q2*	22.0	0.8	14.5	3.5	23.9	14.4	10.7	2.0	3.9	4.0	10.9
2015_Q3*	-1.0	-0.3	-13.9	11.1	1.0	-1.5	-5.4	-2.4	-5.0	-19.4	-4.3
2015_Q4*	0.4	-12.6	12.4	1.9	0.5	-3.6	11.2	8.5	2.3	-5.8	2.8
2016_Q1**	-10.6	22.2	-2.9	1.5	-16.0	0.8	-6.6	-1.2	5.7	29.8	-0.3

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Appendix 15 - Services: Quarterly Value Added by Activity (Year-on-Year Change)

Year Quarter	Year-on-Year Growth in Value Added (%)										
	Trade; Repair of Vehicles, Household Goods	Hotels & Restaurants	Transport & Storage	Information & Communication	Financial & Insurance Activities	Business, Real Estate & other Services Activities	Public Administration & Defence; Social Security	Education	Health	Community, Social and Other Personal Service Activities	Total Value Added
2008_Q1	6.4	27.8	7.5	15.6	12.2	-0.7	8.4	11.6	1.8	9.5	9.6
2008_Q2	15.2	15.7	-1.9	13.5	-29.1	-2.3	11.6	13.1	-2.2	3.9	4.2
2008_Q3	18.1	13.8	11.1	23.6	41.9	10.1	14.2	15.0	6.0	8.2	15.1
2008_Q4	0.1	-16.0	-1.4	25.6	12.3	-6.3	16.6	12.3	12.0	16.2	3.3
2009_Q1	9.5	-10.3	5.3	1.9	-1.9	8.5	13.7	12.0	18.0	-19.6	3.4
2009_Q2	3.9	-3.9	3.9	1.6	72.7	3.6	13.6	13.3	19.9	32.0	10.1
2009_Q3	-0.5	3.4	1.2	-0.3	-39.1	-8.8	11.5	12.0	11.7	19.9	0.4
2009_Q4	9.0	-2.6	7.6	12.0	46.9	-2.3	8.3	12.0	11.8	-0.9	8.8
2010_Q1	14.7	4.5	13.7	28.7	28.9	6.2	1.9	5.6	11.6	70.3	15.5
2010_Q2	16.7	-6.5	8.7	18.0	-25.4	16.8	3.1	2.5	10.8	-12.7	4.3
2010_Q3	18.3	10.3	-0.3	26.8	90.9	15.7	4.3	5.5	12.6	-2.0	11.8
2010_Q4	4.5	2.6	9.9	24.3	-2.9	17.8	4.2	7.4	10.1	4.9	7.8
2011_Q1	27.9	-5.4	-1.0	33.1	0.9	28.3	13.7	4.2	8.4	-37.5	5.8
2011_Q2	7.9	4.9	19.5	39.0	82.1	-17.1	7.9	4.7	3.4	-0.6	12.1
2011_Q3	-3.2	-8.5	19.2	20.2	-26.5	16.9	4.7	2.7	2.7	49.7	8.6
2011_Q4	11.6	27.3	8.9	-17.7	-10.2	29.3	3.8	3.7	5.5	63.1	11.4
2012_Q1	-12.2	7.9	110.8	11.5	14.7	0.9	2.2	10.6	6.6	84.6	35.3
2012_Q2	20.7	19.3	17.0	27.5	5.2	64.9	6.7	7.6	14.5	22.8	19.8
2012_Q3	19.6	20.4	-47.4	36.7	33.4	18.0	6.4	4.4	11.0	-26.6	-3.7
2012_Q4	22.0	-20.3	-45.6	109.5	35.4	5.1	1.5	4.5	11.7	-23.4	-2.8
2013_Q1	34.4	19.4	-43.8	30.9	31.8	-1.9	11.8	5.4	-0.3	24.8	-6.5
2013_Q2	6.8	12.5	-2.1	12.3	22.3	-25.3	9.4	5.8	5.7	31.8	5.0
2013_Q3	13.1	16.5	98.6	36.7	25.5	-20.9	4.1	6.9	15.5	34.7	25.4
2013_Q4	6.5	56.8	77.2	18.7	15.4	-21.0	8.4	9.3	9.9	60.3	23.6
2014_Q1	-16.8	2.8	-14.0	32.7	-2.7	-11.1	-7.8	5.3	14.4	-16.3	-5.5
2014_Q2	7.0	6.0	2.9	46.0	52.5	-5.5	-7.7	9.7	3.4	4.9	10.1
2014_Q3	13.0	4.1	-6.6	30.8	36.7	7.3	-2.3	8.5	-11.3	17.3	9.1
2014_Q4	5.2	-16.7	23.0	44.7	8.0	5.4	-0.6	5.0	-10.3	-8.1	9.2
2015_Q1*	8.6	3.2	3.3	17.4	8.7	-4.9	2.9	8.9	10.6	9.7	6.7
2015_Q2*	10.9	1.0	1.2	17.3	-9.0	24.1	12.3	7.1	15.6	1.9	6.7
2015_Q3*	9.0	-0.9	6.2	15.9	-7.9	8.3	6.3	4.9	17.8	-16.7	4.2
2015_Q4**	10.1	3.3	1.8	5.2	7.2	5.2	17.1	10.5	18.2	-14.4	5.2
2016_Q1**	8.4	7.3	7.7	18.8	5.7	9.4	8.8	6.7	6.7	2.5	8.8

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Appendix 16 - Seasonally Adjusted Gross Domestic Product at Constant 2006 Prices by Economic Activity

Year Quarter	Value Added (Ghc Million)							Quarter-on-Quarter Change (%)			
	Agriculture	Industry	Service	***FISIM	Total Value Added (GDP @ basic prices)	Net indirect Taxes	Total (GDP in purchaser's value)	Agriculture	Industry	Service	Total (GDP in purchaser's value)
2008_Q1	1,391.0	1,132.0	2,372.0	130.6	4,764.4	308.0	5,072.4	3.0	20.6	0.9	5.2
2008_Q2	1,454.0	1,102.0	2,354.0	138.6	4,771.4	309.0	5,080.4	4.5	-2.7	-0.8	0.2
2008_Q3	1,444.0	1,131.0	2,530.0	161.9	4,943.1	318.0	5,261.1	-0.7	2.6	7.5	3.6
2008_Q4	1,418.0	1,148.0	2,436.0	150.7	4,851.3	313.0	5,164.3	-1.8	1.5	-3.7	-1.8
2009_Q1	1,460.0	1,160.0	2,454.0	184.7	4,889.3	262.0	5,151.3	3.0	1.0	0.7	-0.2
2009_Q2	1,496.0	1,160.0	2,619.0	198.3	5,076.7	231.0	5,307.7	2.5	0.0	6.7	3.0
2009_Q3	1,531.0	1,179.0	2,544.0	201.8	5,052.2	245.0	5,297.2	2.3	1.6	-2.9	-0.2
2009_Q4	1,568.0	1,193.0	2,653.0	219.2	5,194.8	202.0	5,396.8	2.4	1.2	4.3	1.9
2010_Q1	1,523.0	1,250.1	2,983.7	199.2	5,557.7	168.0	5,725.7	-2.9	4.8	12.5	6.1
2010_Q2	1,683.0	1,206.8	2,764.2	195.3	5,458.7	251.0	5,709.7	10.5	-3.5	-7.4	-0.3
2010_Q3	1,651.0	1,242.9	2,935.9	210.3	5,619.5	320.0	5,939.5	-1.9	3.0	6.2	4.0
2010_Q4	1,585.0	1,354.5	3,036.7	215.8	5,760.4	281.0	6,041.4	-4.0	9.0	3.4	1.7
2011_Q1	1,688.0	1,491.7	3,165.1	225.9	6,118.9	371.0	6,489.9	6.5	10.1	4.2	7.4
2011_Q2	1,624.0	1,746.1	3,122.3	237.3	6,255.1	355.0	6,610.1	-3.8	17.1	-1.4	1.9
2011_Q3	1,490.0	1,897.6	3,202.6	232.2	6,358.0	335.0	6,693.0	-8.3	8.7	2.6	1.3
2011_Q4	1,549.0	2,022.0	3,321.1	238.6	6,653.5	356.0	7,009.5	4.0	6.6	3.7	4.7
2012_Q1	1,633.0	1,873.2	3,463.8	253.8	6,716.2	476.8	7,193.0	5.4	-7.4	4.3	2.6
2012_Q2	1,644.4	1,916.0	3,604.3	267.5	6,897.3	489.3	7,386.6	0.7	2.3	4.1	2.7
2012_Q3	1,656.0	1,959.8	3,573.9	284.3	6,905.4	502.6	7,408.0	0.7	2.3	-0.8	0.3
2012_Q4	1,664.2	1,986.9	3,590.2	304.9	6,936.4	522.6	7,459.0	0.5	1.4	0.5	0.7
2013_Q1	1,724.4	2,026.9	3,525.0	270.7	7,005.5	526.4	7,531.9	3.6	2.0	-1.8	1.0
2013_Q2	1,833.2	2,106.8	3,563.4	288.0	7,215.4	533.9	7,749.4	6.3	3.9	1.1	2.9
2013_Q3	1,762.2	2,115.6	3,761.2	325.2	7,313.8	547.8	7,861.6	-3.9	0.4	5.5	1.4
2013_Q4	1,758.7	2,118.9	3,949.5	328.7	7,498.4	560.8	8,059.2	-0.2	0.2	5.0	2.5
2014_Q1	1,733.9	2,109.6	3,893.3	327.7	7,409.1	577.7	7,986.7	-1.4	-0.4	-1.4	-0.9
2014_Q2	1,704.3	2,112.3	3,991.7	352.5	7,455.7	580.2	8,036.0	-1.7	0.1	2.5	0.6
2014_Q3	1,816.3	2,136.1	4,079.2	343.9	7,687.6	593.9	8,281.6	6.6	1.1	2.2	3.1
2014_Q4	1,840.5	2,135.5	4,169.5	348.5	7,797.0	583.5	8,380.5	1.3	0.0	2.2	1.2
2015_Q1*	1,848.5	2,146.2	4,234.1	355.6	7,873.2	590.1	8,463.3	0.4	0.5	1.5	1.0
2015_Q2*	1,858.8	2,133.6	4,305.6	345.3	7,952.7	596.3	8,549.1	0.6	-0.6	1.7	1.0
2015_Q3*	1,874.2	2,124.0	4,349.6	337.7	8,010.2	600.4	8,610.6	0.8	-0.5	1.0	0.7
2015_Q4*	1,885.5	2,160.9	4,405.6	352.3	8,099.7	606.4	8,706.1	0.6	1.7	1.3	1.1
2016_Q1**	1,893.8	2,155.2	4,496.5	359.0	8,186.5	613.8	8,800.3	0.4	-0.3	2.1	1.1

*Revised
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***FISIM is a negative item

Appendix 17 - Agriculture: Seasonally Adjusted Value Added by Activity

Year	Quarter	Value Added (GHc Million)				Total Value Added
		Crops & Cocoa	Livestock	Forestry & Logging	Fishing	
2008_Q1		979.0	126.0	177.0	109.0	1,391.0
2008_Q2		1,028.0	123.0	170.0	133.0	1,454.0
2008_Q3		1,029.0	121.0	170.0	124.0	1,444.0
2008_Q4		1,015.0	114.0	168.0	121.0	1,418.0
2009_Q1		1,036.0	120.0	173.0	131.0	1,460.0
2009_Q2		1,079.0	126.0	171.0	120.0	1,496.0
2009_Q3		1,131.0	127.0	172.0	101.0	1,531.0
2009_Q4		1,153.0	128.0	172.0	115.0	1,568.0
2010_Q1		1,066.0	122.0	225.0	110.0	1,523.0
2010_Q2		1,251.0	128.0	179.0	125.0	1,683.0
2010_Q3		1,200.0	133.0	190.0	128.0	1,651.0
2010_Q4		1,174.0	139.0	174.0	98.0	1,585.0
2011_Q1		1,104.0	119.0	365.0	100.0	1,688.0
2011_Q2		1,264.0	103.0	155.0	102.0	1,624.0
2011_Q3		1,237.0	97.0	50.0	106.0	1,490.0
2011_Q4		1,234.0	178.0	21.0	116.0	1,549.0
2012_Q1		1,217.1	139.6	160.5	115.8	1,633.0
2012_Q2		1,217.2	140.6	167.8	118.9	1,644.4
2012_Q3		1,225.7	141.4	173.0	115.9	1,656.0
2012_Q4		1,228.8	145.3	173.7	116.4	1,664.2
2013_Q1		1,273.5	146.0	189.2	115.8	1,724.4
2013_Q2		1,357.5	158.9	197.7	119.1	1,833.2
2013_Q3		1,271.4	172.1	196.7	122.0	1,762.2
2013_Q4		1,301.1	153.0	181.7	122.9	1,758.7
2014_Q1		1,271.5	156.0	180.5	125.8	1,733.9
2014_Q2		1,246.1	156.5	177.0	124.6	1,704.3
2014_Q3		1,363.1	159.0	175.9	118.3	1,816.3
2014_Q4		1,374.8	161.1	188.6	116.1	1,840.5
2015_Q1*		1,379.3	162.3	189.8	117.0	1,848.5
2015_Q2*		1,384.1	163.8	192.4	118.6	1,858.8
2015_Q3*		1,397.0	165.6	195.0	116.6	1,874.2
2015_Q4*		1,402.8	169.6	195.7	117.5	1,885.5
2016_Q1**		1,407.9	172.1	197.5	116.2	1,893.8
*Revised						
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Appendix 18 - Agriculture: Seasonally Adjusted Value Added by Activity

Year Quarter	Quarter-on-Quarter Change (%)				
	Crops & Cocoa	Livestock	Forestry & Logging	Fishing	Total Value Added
2008_Q1	3.9	2.4	-0.6	1.9	3.0
2008_Q2	5.0	-2.4	-4.0	22.0	4.5
2008_Q3	0.1	-1.6	0.0	-6.8	-0.7
2008_Q4	-1.4	-5.8	-1.2	-2.4	-1.8
2009_Q1	2.1	5.3	3.0	8.3	3.0
2009_Q2	4.2	5.0	-1.2	-8.4	2.5
2009_Q3	4.8	0.8	0.6	-15.8	2.3
2009_Q4	1.9	0.8	0.0	13.9	2.4
2010_Q1	-7.5	-4.7	30.8	-4.3	-2.9
2010_Q2	17.4	4.9	-20.4	13.6	10.5
2010_Q3	-4.1	3.9	6.1	2.4	-1.9
2010_Q4	-2.2	4.5	-8.4	-23.4	-4.0
2011_Q1	-6.0	-14.4	109.8	2.0	6.5
2011_Q2	14.5	-13.4	-57.5	2.0	-3.8
2011_Q3	-2.1	-5.8	-67.7	3.9	-8.3
2011_Q4	-0.2	83.5	-58.0	9.4	4.0
2012_Q1	-1.4	-21.6	664.3	-0.2	5.4
2012_Q2	0.0	0.7	4.5	2.6	0.7
2012_Q3	0.7	0.6	3.2	-2.5	0.7
2012_Q4	0.3	2.8	0.4	0.4	0.5
2013_Q1	3.6	0.5	8.9	-0.5	3.6
2013_Q2	6.6	8.9	4.5	2.9	6.3
2013_Q3	-6.3	8.3	-0.5	2.4	-3.9
2013_Q4	2.3	-11.1	-7.6	0.8	-0.2
2014_Q1	-2.3	2.0	-0.6	2.3	-1.4
2014_Q2	-2.0	0.3	-1.9	-1.0	-1.7
2014_Q3	9.4	1.5	-0.7	-5.0	6.6
2014_Q4	0.9	1.3	7.2	-1.9	1.3
2015_Q1*	0.3	0.8	0.7	0.8	0.4
2015_Q2*	0.3	0.9	1.3	1.4	0.6
2015_Q3*	0.9	1.1	1.4	-1.7	0.8
2015_Q4*	0.4	2.4	0.4	0.8	0.6
2016_Q1**	0.4	1.5	0.9	-1.1	0.4

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Appendix 19 - Agriculture: Seasonally Adjusted Value Added by Activity

Year	Quarter	Year-on-Year Change (%)				
		Crops & Cocoa	Livestock	Forestry & Logging	Fishing	Total Value Added
2008_Q1		5.8	20.0	0.6	11.2	6.7
2008_Q2		12.0	10.8	-3.4	38.5	11.8
2008_Q3		9.8	4.3	-3.4	11.7	7.8
2008_Q4		7.7	-7.3	-5.6	13.1	5.0
2009_Q1		5.8	-4.8	-2.3	20.2	5.0
2009_Q2		5.0	2.4	0.6	-9.8	2.9
2009_Q3		9.9	5.0	1.2	-18.5	6.0
2009_Q4		13.6	12.3	2.4	-5.0	10.6
2010_Q1		2.9	1.7	30.1	-16.0	4.3
2010_Q2		15.9	1.6	4.7	4.2	12.5
2010_Q3		6.1	4.7	10.5	26.7	7.8
2010_Q4		1.8	8.6	1.2	-14.8	1.1
2011_Q1		3.6	-2.5	62.2	-9.1	10.8
2011_Q2		1.0	-19.5	-13.4	-18.4	-3.5
2011_Q3		3.1	-27.1	-73.7	-17.2	-9.8
2011_Q4		5.1	28.1	-87.9	18.4	-2.3
2012_Q1		10.2	17.3	-56.0	15.8	-3.3
2012_Q2		-3.7	36.5	8.2	16.5	1.3
2012_Q3		-0.9	45.8	246.1	9.3	11.1
2012_Q4		-0.4	-18.4	727.3	0.3	7.4
2013_Q1		4.6	4.6	17.9	0.0	5.6
2013_Q2		11.5	13.1	17.9	0.2	11.5
2013_Q3		3.7	21.7	13.7	5.3	6.4
2013_Q4		5.9	5.3	4.6	5.7	5.7
2014_Q1		-0.2	6.9	-4.6	8.7	0.5
2014_Q2		-8.2	-1.5	-10.5	4.6	-7.0
2014_Q3		7.2	-7.7	-10.6	-3.0	3.1
2014_Q4		5.7	5.3	3.8	-5.6	4.6
2015_Q1*		8.5	4.1	5.1	-7.0	6.6
2015_Q2*		11.1	4.6	8.7	-4.8	9.1
2015_Q3*		2.5	4.2	10.9	-1.5	3.2
2015_Q4*		2.0	5.3	3.8	1.2	2.4
2016_Q1**		2.1	6.0	4.1	-0.7	2.5
<i>*Revised</i>						
<i>**Provisional</i>						

Appendix 20 - Industry: Seasonally Adjusted Value Added by Activity

Year Quarter	Value Added (GHc Million)					
	Mining and Quarrying	Manufacturing	Electricity	Water & Sewerage	Construction	Total Value Added
2008_Q1	139.0	483.0	32.0	58.0	420.0	1,132.0
2008_Q2	130.0	458.0	35.0	56.0	423.0	1,102.0
2008_Q3	133.0	465.0	36.0	56.0	441.0	1,131.0
2008_Q4	130.0	463.0	38.0	58.0	459.0	1,148.0
2009_Q1	134.0	460.0	37.0	61.0	468.0	1,160.0
2009_Q2	138.0	470.0	38.0	60.0	454.0	1,160.0
2009_Q3	135.0	460.0	37.0	62.0	485.0	1,179.0
2009_Q4	138.0	454.0	39.0	63.0	499.0	1,193.0
2010_Q1	121.7	549.8	43.0	62.7	473.0	1,250.1
2010_Q2	138.0	474.1	44.0	64.7	486.0	1,206.8
2010_Q3	187.7	464.1	44.0	66.1	481.0	1,242.9
2010_Q4	242.9	495.7	39.0	65.9	511.0	1,354.5
2011_Q1	372.0	461.3	40.0	65.4	553.0	1,491.7
2011_Q2	533.1	585.2	41.0	67.9	519.0	1,746.1
2011_Q3	605.6	581.0	43.0	67.0	601.0	1,897.6
2011_Q4	604.9	693.4	44.0	66.7	613.0	2,022.0
2012_Q1	579.3	592.1	43.7	67.1	591.0	1,873.2
2012_Q2	587.0	595.8	44.8	67.1	621.4	1,916.0
2012_Q3	595.1	606.3	45.8	67.7	645.1	1,959.8
2012_Q4	615.5	591.6	46.9	68.2	664.7	1,986.9
2013_Q1	645.7	587.5	48.3	67.6	677.8	2,026.9
2013_Q2	686.5	594.6	50.0	67.2	708.5	2,106.8
2013_Q3	685.8	597.3	52.5	67.3	712.8	2,115.6
2013_Q4	686.8	588.6	54.6	67.1	721.8	2,118.9
2014_Q1	681.0	577.3	54.0	68.0	729.3	2,109.6
2014_Q2	693.5	567.1	55.9	69.1	726.7	2,112.3
2014_Q3	712.6	569.6	56.1	68.4	729.4	2,136.1
2014_Q4	708.5	583.8	54.7	66.4	722.0	2,135.5
2015_Q1*	708.3	587.3	53.8	69.7	727.1	2,146.2
2015_Q2*	691.7	584.9	50.8	73.4	732.8	2,133.6
2015_Q3*	672.2	590.5	48.9	76.6	735.8	2,124.0
2015_Q4*	688.2	596.7	49.2	80.7	746.1	2,160.9
2016_Q1**	665.0	608.7	52.0	82.9	746.6	2,155.2

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Appendix 21 - Industry: Seasonally Adjusted Value Added by Activity

Year Quarter	Quarter-on-Quarter Change (%)					
	Mining and Quarrying	Manufacturing	Electricity	Water & Sewerage	Construction	Total Value Added
2008_Q1	6.9	5.2	6.7	0.0	60.3	20.6
2008_Q2	-6.5	-5.2	9.4	-3.4	0.7	-2.7
2008_Q3	2.3	1.5	2.9	0.0	4.3	2.6
2008_Q4	-2.3	-0.4	5.6	3.6	4.1	1.5
2009_Q1	3.1	-0.6	-2.6	5.2	2.0	1.0
2009_Q2	3.0	2.2	2.7	-1.6	-3.0	0.0
2009_Q3	-2.2	-2.1	-2.6	3.3	6.8	1.6
2009_Q4	2.2	-1.3	5.4	1.6	2.9	1.2
2010_Q1	-11.8	21.1	10.3	-0.5	-5.2	4.8
2010_Q2	13.4	-13.8	2.3	3.3	2.7	-3.5
2010_Q3	36.0	-2.1	0.0	2.2	-1.0	3.0
2010_Q4	29.4	6.8	-11.4	-0.4	6.2	9.0
2011_Q1	53.2	-6.9	2.6	-0.7	8.2	10.1
2011_Q2	43.3	26.9	2.5	3.7	-6.1	17.1
2011_Q3	13.6	-0.7	4.9	-1.3	15.8	8.7
2011_Q4	-0.1	19.4	2.3	-0.4	2.0	6.6
2012_Q1	-4.2	-14.6	-0.7	0.6	-3.6	-7.4
2012_Q2	1.3	0.6	2.5	0.0	5.2	2.3
2012_Q3	1.4	1.8	2.2	0.8	3.8	2.3
2012_Q4	3.4	-2.4	2.5	0.8	3.0	1.4
2013_Q1	4.9	-0.7	3.0	-1.0	2.0	2.0
2013_Q2	6.3	1.2	3.6	-0.5	4.5	3.9
2013_Q3	-0.1	0.5	4.9	0.1	0.6	0.4
2013_Q4	0.1	-1.4	4.0	-0.2	1.3	0.2
2014_Q1	-0.8	-1.9	-1.1	1.3	1.0	-0.4
2014_Q2	1.8	-1.8	3.5	1.5	-0.3	0.1
2014_Q3	2.8	0.4	0.4	-0.9	0.4	1.1
2014_Q4	-0.6	2.5	-2.4	-2.9	-1.0	0.0
2015_Q1*	0.0	0.6	-1.7	4.9	0.7	0.5
2015_Q2*	-2.3	-0.4	-5.6	5.4	0.8	-0.6
2015_Q3*	-2.8	1.0	-3.7	4.3	0.4	-0.5
2015_Q4*	2.4	1.1	0.5	5.3	1.4	1.7
2016_Q1**	-3.4	2.0	5.8	2.8	0.1	-0.3

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Appendix 22 - Industry: Seasonally Adjusted Value Added by Activity

Year Quarter	Year-on-Year Change (%)					
	Mining and Quarrying	Manufacturing	Electricity	Water & Sewerage	Construction	Total Value Added
2008_Q1	0.0	8.5	-5.9	3.6	33.3	14.5
2008_Q2	0.0	-0.7	29.6	0.0	26.3	9.2
2008_Q3	0.0	6.9	28.6	0.0	32.0	14.7
2008_Q4	0.0	0.9	26.7	0.0	75.2	22.3
2009_Q1	-3.6	-4.8	15.6	5.2	11.4	2.5
2009_Q2	6.2	2.6	8.6	7.1	7.3	5.3
2009_Q3	1.5	-1.1	2.8	10.7	10.0	4.2
2009_Q4	6.2	-1.9	2.6	8.6	8.7	3.9
2010_Q1	-9.2	19.5	16.2	2.7	1.1	7.8
2010_Q2	0.0	0.9	15.8	7.9	7.0	4.0
2010_Q3	39.0	0.9	18.9	6.7	-0.8	5.4
2010_Q4	76.0	9.2	0.0	4.5	2.4	13.5
2011_Q1	205.7	-16.1	-7.0	4.4	16.9	19.3
2011_Q2	286.3	23.4	-6.8	4.8	6.8	44.7
2011_Q3	222.7	25.2	-2.3	1.3	24.9	52.7
2011_Q4	149.1	39.9	12.8	1.3	20.0	49.3
2012_Q1	55.7	28.4	9.2	2.6	6.9	25.6
2012_Q2	10.1	1.8	9.2	-1.1	19.7	9.7
2012_Q3	-1.7	4.4	6.4	1.0	7.3	3.3
2012_Q4	1.7	-14.7	6.6	2.3	8.4	-1.7
2013_Q1	11.5	-0.8	10.6	0.7	14.7	8.2
2013_Q2	17.0	-0.2	11.7	0.1	14.0	10.0
2013_Q3	15.2	-1.5	14.7	-0.6	10.5	7.9
2013_Q4	11.6	-0.5	16.3	-1.6	8.6	6.6
2014_Q1	5.5	-1.7	11.8	0.7	7.6	4.1
2014_Q2	1.0	-4.6	11.7	2.7	2.6	0.3
2014_Q3	3.9	-4.6	6.9	1.7	2.3	1.0
2014_Q4	3.2	-0.8	0.3	-1.1	0.0	0.8
2015_Q1*	4.0	1.7	-0.4	2.4	-0.3	1.7
2015_Q2*	-0.3	3.1	-9.1	6.3	0.8	1.0
2015_Q3*	-5.7	3.7	-12.8	12.0	0.9	-0.6
2015_Q4*	-2.9	2.2	-10.2	21.5	3.3	1.2
2016_Q1**	-6.1	3.6	-3.3	19.0	2.7	0.4

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Appendix 23- Services: Seasonally Adjusted Value Added by Activity

Year Quarter	Value Added (GHC Million)										
	Trade; Repair of Vehicles, Household Goods	Hotels & Restaurants	Transport & Storage	Information & Communication	Financial & Insurance Activities	Business, Real Estate & other Services Activities	Public Administration & Defence; Social Security	Education	Health	Community, Social and Other Personal Service Activities	Total Value Added
2008_Q1	312.0	271.0	664.0	141.0	148.0	126.0	255.0	194.0	64.0	197.0	2,372.0
2008_Q2	334.0	261.0	661.0	149.0	119.0	126.0	264.0	200.0	64.0	176.0	2,354.0
2008_Q3	347.0	237.0	694.0	156.0	186.0	156.0	276.0	208.0	70.0	200.0	2,530.0
2008_Q4	325.0	230.0	652.0	154.0	155.0	128.0	288.0	212.0	73.0	219.0	2,436.0
2009_Q1	342.0	242.0	699.0	144.0	142.0	142.0	290.0	218.0	76.0	159.0	2,454.0
2009_Q2	347.0	251.0	687.0	152.0	214.0	132.0	300.0	227.0	77.0	232.0	2,619.0
2009_Q3	344.0	243.0	702.0	156.0	112.0	129.0	307.0	233.0	78.0	240.0	2,544.0
2009_Q4	355.0	227.0	702.0	173.0	228.0	121.0	311.0	237.0	81.0	218.0	2,653.0
2010_Q1	391.8	264.8	786.0	190.5	189.9	266.5	297.5	230.9	84.0	282.0	2,983.7
2010_Q2	394.6	229.8	742.0	175.1	116.7	274.8	311.0	234.1	85.1	201.0	2,764.2
2010_Q3	400.7	264.5	685.0	194.5	247.6	259.2	319.0	245.5	87.9	232.0	2,935.9
2010_Q4	386.1	228.8	807.0	216.8	237.3	275.6	321.5	252.7	89.9	221.0	3,036.7
2011_Q1	489.0	254.1	790.0	253.5	191.6	335.0	338.2	240.6	91.1	182.0	3,165.1
2011_Q2	431.0	243.9	864.0	243.3	212.6	229.0	335.5	245.0	88.0	230.0	3,122.3
2011_Q3	398.0	241.4	845.0	233.8	182.0	311.0	334.0	252.1	90.3	315.0	3,202.6
2011_Q4	426.0	283.9	852.0	178.4	213.2	355.0	333.7	262.1	94.9	322.0	3,321.1
2012_Q1	421.9	261.7	1,044.6	239.9	204.4	308.9	338.1	252.5	92.7	299.0	3,463.8
2012_Q2	443.9	273.3	1,059.6	257.1	215.0	347.4	344.5	258.0	96.0	309.6	3,604.3
2012_Q3	462.6	285.1	962.1	275.7	224.4	361.4	349.7	267.0	98.5	287.6	3,573.9
2012_Q4	485.9	270.5	913.4	321.5	243.7	363.0	349.3	266.7	101.0	275.2	3,590.2
2013_Q1	523.7	283.8	719.4	343.4	263.4	361.4	359.2	273.8	100.9	295.9	3,525.0
2013_Q2	532.5	292.9	714.1	352.9	267.9	337.2	367.5	277.8	102.3	318.4	3,563.4
2013_Q3	547.7	304.8	823.3	382.2	289.1	318.5	371.1	278.6	106.2	339.6	3,761.2
2013_Q4	556.2	337.0	908.7	399.7	300.3	299.5	378.6	285.0	108.9	375.8	3,949.5
2014_Q1	531.3	339.2	873.7	429.9	298.3	289.9	371.1	288.7	112.4	358.7	3,893.3
2014_Q2	541.0	344.2	880.8	470.0	334.2	285.9	363.6	295.5	113.3	363.3	3,991.7
2014_Q3	558.0	347.6	866.3	503.7	362.2	291.1	361.4	301.5	110.0	377.5	4,079.2
2014_Q4	565.3	332.8	911.4	553.3	368.9	295.0	360.9	305.2	107.0	369.8	4,169.5
2015_Q1*	575.8	335.6	918.4	574.6	375.0	291.2	363.5	311.8	109.9	378.2	4,234.1
2015_Q2*	591.9	336.4	921.5	596.5	365.7	307.4	374.6	317.3	114.2	380.1	4,305.6
2015_Q3*	605.2	335.7	934.3	619.3	357.4	313.7	380.3	321.0	118.8	364.0	4,349.6
2015_Q4*	620.1	338.1	938.5	627.6	363.8	317.6	395.9	329.3	123.5	351.2	4,405.6
2016_Q1**	631.3	344.5	955.4	654.7	368.2	324.5	403.9	334.7	125.6	353.6	4,496.5

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Appendix 24 - Services: Seasonally Adjusted Value Added by Activity

Year Quarter	Quarter-on-Quarter Growth in Value Added (%)										
	Trade: Repair of Vehicles, Household Goods	Hotels & Restaurants	Transport & Storage	Information & Communication	Financial & Insurance Activities	Business, Real Estate & other Services Activities	Public Administration & Defence; Social Security	Education	Health	Community, Social and Other Personal Service Activities	Total Value Added
2008_Q1	-3.7	0.0	0.5	14.6	8.0	-13.7	3.2	3.2	-1.5	4.2	0.9
2008_Q2	7.1	-3.7	-0.5	5.7	-19.6	0.0	3.5	3.1	0.0	-10.7	-0.8
2008_Q3	3.9	-9.2	5.0	4.7	56.3	23.8	4.5	4.0	9.4	13.6	7.5
2008_Q4	-6.3	-3.0	-6.1	-1.3	-16.7	-17.9	4.3	1.9	4.3	9.5	-3.7
2009_Q1	5.2	5.2	7.2	-6.5	-8.4	10.9	0.7	2.8	4.1	-27.4	0.7
2009_Q2	1.5	3.7	-1.7	5.6	50.7	-7.0	3.4	4.1	1.3	45.9	6.7
2009_Q3	-0.9	-3.2	2.2	2.6	-47.7	-2.3	2.3	2.6	1.3	3.4	-2.9
2009_Q4	3.2	-6.6	0.0	10.9	103.6	-6.2	1.3	1.7	3.8	-9.2	4.3
2010_Q1	10.4	16.7	12.0	10.1	-16.7	120.3	-4.3	-2.6	3.7	29.4	12.5
2010_Q2	0.7	-13.2	-5.6	-8.1	-38.5	3.1	4.5	1.4	1.4	-28.7	-7.4
2010_Q3	1.5	15.1	-7.7	11.1	112.1	-5.7	2.6	4.9	3.3	15.4	6.2
2010_Q4	-3.6	-13.5	17.8	11.5	-4.2	6.3	0.8	2.9	2.3	-4.7	3.4
2011_Q1	26.7	11.1	-2.1	16.9	-19.2	21.6	5.2	-4.8	1.2	-17.6	4.2
2011_Q2	-11.9	-4.0	9.4	-4.0	10.9	-31.6	-0.8	1.8	-3.4	26.4	-1.4
2011_Q3	-7.7	-1.0	-2.2	-3.9	-14.4	35.8	-0.5	2.9	2.6	37.0	2.6
2011_Q4	7.0	17.6	0.8	-23.7	17.1	14.1	-0.1	3.9	5.2	2.2	3.7
2012_Q1	-1.0	-7.8	22.6	34.5	-4.1	-13.0	1.3	-3.6	-2.3	-7.1	4.3
2012_Q2	5.2	4.4	1.4	7.2	5.2	12.5	1.9	2.2	3.6	3.5	4.1
2012_Q3	4.2	4.3	-9.2	7.2	4.4	4.0	1.5	3.5	2.6	-7.1	-0.8
2012_Q4	5.0	-5.1	-5.1	16.6	8.6	0.4	-0.1	-0.1	2.5	-4.3	0.5
2013_Q1	7.8	4.9	-21.2	6.8	8.1	-0.5	2.8	2.7	-0.1	7.5	-1.8
2013_Q2	1.7	3.2	-0.7	2.8	1.7	-6.7	2.3	1.5	1.4	7.6	1.1
2013_Q3	2.8	4.1	15.3	8.3	7.9	-5.5	1.0	0.3	3.8	6.7	5.5
2013_Q4	1.6	10.5	10.4	4.6	3.9	-6.0	2.0	2.3	2.6	10.6	5.0
2014_Q1	-4.5	0.7	-3.9	7.6	-0.6	-3.2	-2.0	1.3	3.2	-4.5	-1.4
2014_Q2	1.8	1.5	0.8	9.3	12.0	-1.4	-2.0	2.4	0.8	1.3	2.5
2014_Q3	3.1	1.0	-1.6	7.2	8.4	1.8	-0.6	2.0	-2.9	3.9	2.2
2014_Q4	1.3	-4.3	5.2	9.8	1.8	1.3	-0.1	1.2	-2.7	-2.1	2.2
2015_Q1*	1.9	0.8	0.8	3.9	1.7	-1.3	0.7	2.2	2.7	2.3	1.5
2015_Q2*	2.8	0.3	0.3	3.8	-2.5	5.6	3.1	1.7	3.9	0.5	1.7
2015_Q3*	2.2	-0.2	1.4	3.8	-2.3	2.1	1.5	1.2	4.0	-4.2	1.0
2015_Q4*	2.5	0.7	0.5	1.3	1.8	1.2	4.1	2.6	4.0	-3.5	1.3
2016_Q1**	1.8	1.9	1.8	4.3	1.2	2.2	2.0	1.6	1.7	0.7	2.1

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Appendix 25 - Services: Seasonally Adjusted Value Added by Activity

Year Quarter	Year-on-Year Growth in Value Added (%)										
	Trade; Repair of Vehicles, Household Goods	Hotels & Restaurants	Transport & Storage	Information & Communication	Financial & Insurance Activities	Business, Real Estate & other Services Activities	Public Administration & Defence; Social Security	Education	Health	Community, Social and Other Personal Service Activities	Total Value Added
2008_Q1	6.1	26.6	7.6	15.6	10.4	-3.1	8.5	11.5	1.6	9.4	9.7
2008_Q2	15.2	17.0	-1.9	12.9	-27.4	-5.3	11.4	13.0	-3.0	4.1	3.9
2008_Q3	18.0	12.3	11.0	22.8	40.9	16.4	14.5	14.9	6.1	8.1	15.2
2008_Q4	0.3	-15.1	-1.4	25.2	13.1	-12.3	16.6	12.8	12.3	15.9	3.6
2009_Q1	9.6	-10.7	5.3	2.1	-4.1	12.7	13.7	12.4	18.8	-19.3	3.5
2009_Q2	3.9	-3.8	3.9	2.0	79.8	4.8	13.6	13.5	20.3	31.8	11.3
2009_Q3	-0.9	2.5	1.2	0.0	-39.8	-17.3	11.2	12.0	11.4	20.0	0.6
2009_Q4	9.2	-1.3	7.7	12.3	47.1	-5.5	8.0	11.8	11.0	-0.5	8.9
2010_Q1	14.5	9.4	12.4	32.3	33.7	87.7	2.6	5.9	10.5	77.4	21.6
2010_Q2	13.7	-8.4	8.0	15.2	-45.4	108.2	3.7	3.1	10.5	-13.4	5.5
2010_Q3	16.5	8.8	-2.4	24.7	121.1	100.9	3.9	5.4	12.7	-3.3	15.4
2010_Q4	8.8	0.8	15.0	25.3	4.1	127.7	3.4	6.6	11.0	1.4	14.5
2011_Q1	24.8	-4.0	0.5	33.1	0.9	25.7	13.7	4.2	8.4	-35.5	6.1
2011_Q2	9.2	6.1	16.4	39.0	82.1	-16.7	7.9	4.7	3.4	14.4	13.0
2011_Q3	-0.7	-8.7	23.4	20.2	-26.5	20.0	4.7	2.7	2.7	35.8	9.1
2011_Q4	10.3	24.1	5.6	-17.7	-10.2	28.8	3.8	3.7	5.5	45.7	9.4
2012_Q1	-13.7	3.0	32.2	-5.4	6.7	-7.8	0.0	5.0	1.8	64.3	9.4
2012_Q2	3.0	12.1	22.6	5.7	1.1	51.7	2.7	5.3	9.1	34.6	15.4
2012_Q3	16.2	18.1	13.9	17.9	23.3	16.2	4.7	5.9	9.2	-8.7	11.6
2012_Q4	14.1	-4.7	7.2	80.3	14.3	2.3	4.7	1.8	6.4	-14.5	8.1
2013_Q1	24.1	8.5	-31.1	43.1	28.9	17.0	6.2	8.4	8.8	-1.0	1.8
2013_Q2	20.0	7.2	-32.6	37.2	24.6	-2.9	6.7	7.7	6.5	2.9	-1.1
2013_Q3	18.4	6.9	-14.4	38.7	28.8	-11.9	6.1	4.4	7.8	18.1	5.2
2013_Q4	14.5	24.6	-0.5	24.3	23.2	-17.5	8.4	6.9	7.8	36.5	10.0
2014_Q1	1.5	19.5	21.4	25.2	13.2	-19.8	3.3	5.5	11.4	21.2	10.5
2014_Q2	1.6	17.5	23.3	33.2	24.8	-15.2	-1.1	6.4	10.7	14.1	12.0
2014_Q3	1.9	14.0	5.2	31.8	25.3	-8.6	-2.6	8.2	3.6	11.2	8.5
2014_Q4	1.6	-1.2	0.3	38.4	22.9	-1.5	-4.7	7.1	-1.7	-1.6	5.6
2015_Q1*	8.4	-1.1	5.1	33.7	25.7	0.5	-2.1	8.0	-2.2	5.4	8.8
2015_Q2*	9.4	-2.2	4.6	26.9	9.4	7.5	3.0	7.4	0.9	4.6	7.9
2015_Q3*	8.5	-3.4	7.8	23.0	-1.3	7.8	5.2	6.5	8.0	-3.6	6.6
2015_Q4*	9.7	1.6	3.0	13.4	-1.4	7.7	9.7	7.9	15.5	-5.0	5.7
2016_Q1**	9.6	2.6	4.0	14.0	-1.8	11.4	11.1	7.3	14.2	-6.5	6.2

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